LONGHORN ARMY AMMUNITION PLANT KARNACK, TEXAS

ADMINISTRATIVE RECORD

Volume 10

2025

Bate Stamp Numbers
01305591 – 01307558

Prepared for

Department of the Army
Longhorn Army Ammunition Plant

1976–2025

LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS
ADMINISTRATIVE RECORD – CHRONOLOGICAL INDEX

VOLUME 10

2025

A.	Title:	(Cont'd) Report – Appendix C labs File 3 to Draft Quarterly Evaluation Report, 2nd Quarter (April–June) 2024 Groundwater Treatment Plant, Longhorn Army Ammunition Plant, Karnack, Texas
	Author(s):	PCI-Bhate JV
	Recipient:	Longhorn Army Ammunition Plant
	Date:	March 7, 2025
	Bate Stamp:	01305591–01307558

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Report Date: 25-Jun-2024 19:32

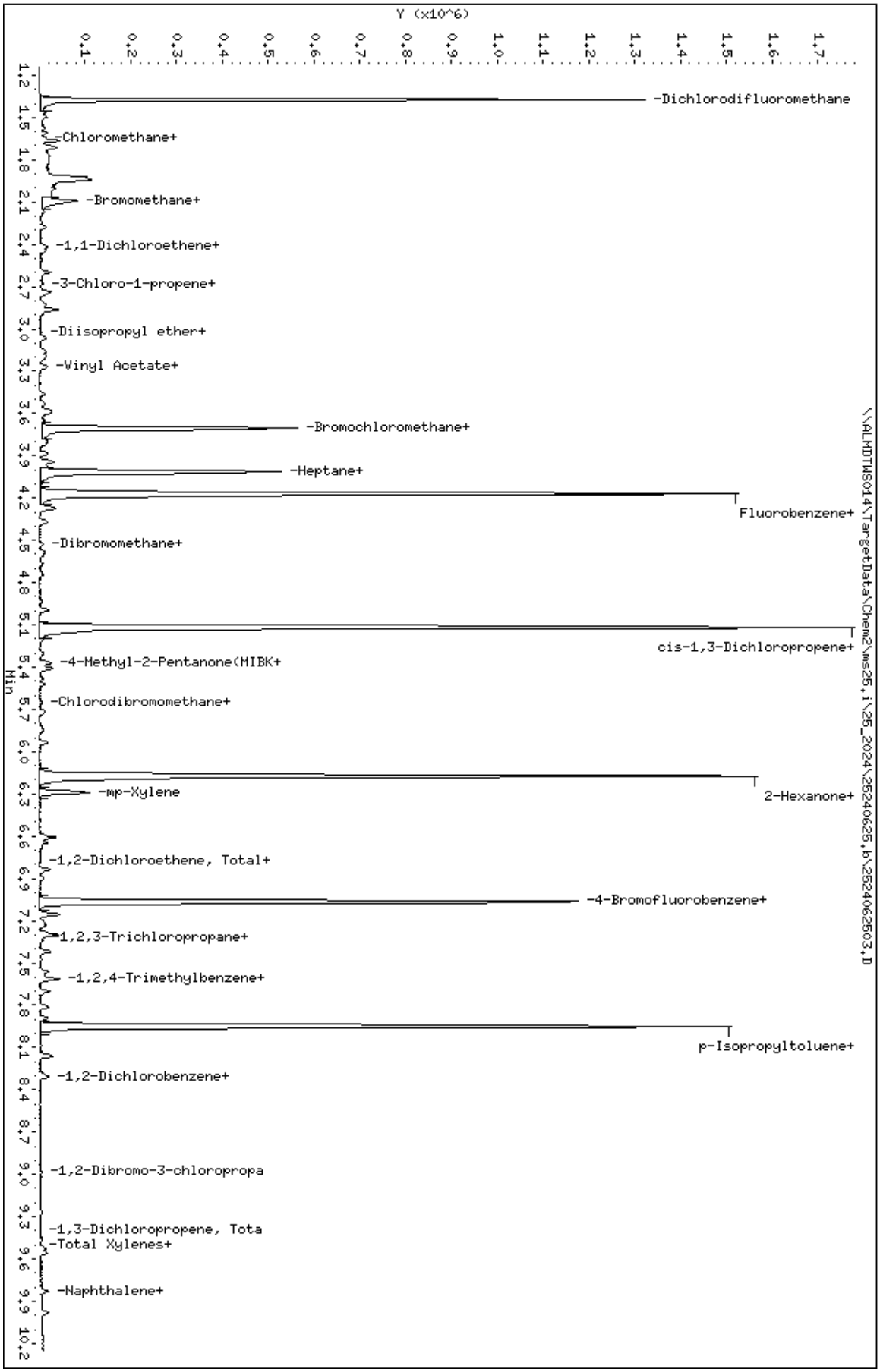
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.877	2.872	(0.690)	9076	0.50000	0.571782(aQ)	
	23 tert.- Butyl Alcohol	59	2.894	2.889	(0.694)	2093	2.50000	2.19551	
	24 Acetonitrile	41	3.019	3.020	(0.724)	2461	2.50000	2.30464(QM)	MP
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	9459	0.50000	0.412394(a)	
	26 Chloroprene	53	3.150	3.156	(0.755)	4938	0.50000	0.424640(a)	
	27 1,1-Dichloroethane	63	3.166	3.167	(0.759)	5914	0.50000	0.420026(aM)	IH
	28 Acrylonitrile	53	3.188	3.194	(0.765)	7287	2.50000	1.98720(M)	MP
	29 Ethyl tert-butyl ether	59	3.259	3.265	(0.782)	9807	0.50000	0.402571(a)	
	30 n-Propanol	41	3.265	3.260	(0.783)	2592	5.00000	5.73610(Q)	
	31 Vinyl Acetate	86	3.270	3.276	(0.784)	715	0.50000	0.677670(aQ)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	4439	0.50000	0.423607(a)	
	33 2,2-Dichloropropane	77	3.527	3.522	(0.846)	5081	0.50000	0.452773(aM)	H
	34 Bromochloromethane	128	3.576	3.576	(0.857)	1835	0.50000	0.406063(aQ)	
	35 Cyclohexane	84	3.592	3.587	(0.861)	6021	0.50000	0.478859(aQ)	
	36 Chloroform	83	3.603	3.598	(0.864)	6590	0.50000	0.433555(a)	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	6710	0.50000	0.651771(a)	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	3888	0.50000	0.460758(a)	
	39 Carbon Tetrachloride	117	3.696	3.696	(0.886)	2612	0.50000	0.647639(aM)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	251888	30.0000	29.1045	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	6336	2.50000	2.45613	
	42 1,1,1-Trichloroethane	97	3.739	3.740	(0.897)	4628	0.50000	0.391178(a)	
	43 2-Butanone	72	3.761	3.767	(0.902)	2817	2.50000	2.25888(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	5113	0.50000	0.456885(a)	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	4277	0.50000	0.594302(aQ)	
	46 Heptane	71	3.887	3.887	(0.932)	3571	0.50000	0.549236(aQ)	
	47 Benzene	78	3.941	3.942	(0.945)	17284	0.50000	0.502483(a)	
	48 Propionitrile	54	3.941	3.942	(0.945)	2748	2.50000	1.97899(Q)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	2086	0.50000	0.501131(aQM)	H
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	9972	0.50000	0.424059(a)	
	54 Isobutyl alcohol	42	3.985	3.980	(0.956)	394	5.00000	5.86342(QM)	H
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	282446	30.0000	30.9588	
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	5311	0.50000	0.491166(aQ)	
	53 tert-Amyl Alcohol	59	4.061	4.062	(0.974)	1627	2.50000	2.22445	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1096864	30.0000		
	56 Diisobutylene	57	4.170	4.171	(1.000)	44441	0.50000	0.646847(aQ)	
	57 Trichloroethene	95	4.263	4.269	(1.022)	4490	0.50000	0.515766(aQM)	H
	58 Methyl cyclohexane	83	4.269	4.275	(0.692)	6441	0.50000	0.481087(a)	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	7238	0.50000	0.613047(a)	
	60 Dibromomethane	93	4.525	4.526	(1.085)	2382	0.50000	0.432826(aQ)	
	61 1,2-Dichloropropane	63	4.580	4.586	(1.098)	3551	0.50000	0.428936(aQM)	H
	62 Bromodichloromethane	83	4.612	4.607	(1.106)	3592	0.50000	0.639622(a)	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	2494	0.50000	0.380651(aM)	IH
	64 1,4-Dioxane	88	4.716	4.722	(1.131)	1683	12.5000	13.1326(Q)	
	65 2-Chloroethylvinyl ether	63	4.940	4.935	(1.184)	1903	0.50000	0.682108(aM)	IH
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	4396	0.50000	0.594491(a)	
	67 Octane	85	5.000	5.000	(0.810)	2623	0.50000	0.516704(a)	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1019938	30.0000	31.2109	
	69 Toluene	92	5.147	5.153	(0.834)	11878	0.50000	0.573470(a)	
	70 Chloroacetonitrile	75	5.213	5.208	(0.844)	1271	2.50000	2.46156(QM)	H
	71 2-Nitropropane	41	5.294	5.300	(0.858)	3617	2.50000	3.45024(Q)	
	72 1,1-Dichloro-2-Propanone	63	5.311	5.317	(0.860)	307	2.50000	3.32513(QM)	H
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	15196	2.50000	2.86001	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	4340	0.50000	0.630336(a)	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	3437	0.50000	0.455706(a)	

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Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
76	Ethyl Methacrylate	69	5.480	5.481	(0.888)	3766	0.50000	0.615569(aM)	H
77	1,1,2-Trichloroethane	83	5.518	5.524	(0.894)	2588	0.50000	0.406674(a)	
78	Chlorodibromomethane	129	5.655	5.650	(0.916)	2392	0.50000	0.631711(a)	
79	1,3-Dichloropropane	76	5.709	5.710	(0.925)	5196	0.50000	0.413250(a)	
80	1,2-Dibromoethane	107	5.835	5.830	(0.945)	2751	0.50000	0.557407(a)	
81	2-Hexanone	43	5.938	5.933	(0.962)	9727	2.50000	2.83510	
82	1-Chlorohexane	91	6.140	6.146	(0.995)	5263	0.50000	0.483003(aQ)	
* 83	Chlorobenzene-d5	82	6.173	6.174	(1.000)	412754	30.0000		
84	Chlorobenzene	112	6.184	6.184	(1.002)	9263	0.50000	0.438849(a)	
85	Ethylbenzene	106	6.189	6.190	(1.003)	9240	0.50000	0.616459(a)	
86	1,1,1,2-Tetrachloroethane	131	6.217	6.223	(1.007)	2323	0.50000	0.607596(a)	
87	mp-Xylene	106	6.293	6.288	(1.019)	30052	1.00000	1.27466	
88	o-Xylene	106	6.604	6.610	(1.070)	8690	0.50000	0.618661(a)	
89	Styrene	104	6.648	6.648	(0.836)	7432	0.50000	0.629733(aM)	MP
90	Bromoform	173	6.686	6.686	(0.841)	2337	0.50000	0.734051(aM)	IH
91	Isopropylbenzene	105	6.839	6.839	(0.860)	13069	0.50000	0.562869(a)	
M 100	1,2-Dichloroethene, Total	61				8887	1.00000	0.853994(a)	
$ 92	4-Bromofluorobenzene	174	7.068	7.068	(0.889)	319075	30.0000	31.0197	
93	Bromobenzene	156	7.155	7.156	(0.900)	3974	0.50000	0.452058(a)	
94	n-Propylbenzene	120	7.161	7.156	(0.901)	4608	0.50000	0.512609(a)	
95	1,1,2,2-Tetrachloroethane	83	7.199	7.205	(0.905)	3602	0.50000	0.412247(aM)	IH
96	o-Chlorotoluene	91	7.291	7.292	(0.917)	10588	0.50000	0.447681(a)	
97	1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	12483	0.50000	0.498960(a)	
98	1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	1088	0.50000	0.386077(aQ)	
99	trans-1,4-Dichloro-2-butene	53	7.341	7.341	(0.923)	1054	0.50000	0.681032(aQM)	H
101	p-Chlorotoluene	91	7.417	7.418	(0.933)	9948	0.50000	0.464370(a)	
102	tert-Butylbenzene	134	7.564	7.559	(0.951)	2578	0.50000	0.430850(aQ)	
103	Pentachloroethane	117	7.581	7.581	(0.953)	2125	0.50000	0.643645(aM)	H
104	1,2,4-Trimethylbenzene	105	7.613	7.614	(0.957)	20714	0.50000	0.631945(a)	
105	sec-Butylbenzene	105	7.701	7.707	(0.968)	13973	0.50000	0.451901(a)	
106	p-Isopropyltoluene	134	7.815	7.816	(0.983)	2976	0.50000	0.420291(a)	
107	1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	6216	0.50000	0.419711(a)	
* 108	1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	371816	30.0000	(Q)	
109	1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	7283	0.50000	0.471776(aQ)	
110	Benzyl Chloride	126	8.159	8.160	(1.026)	736	0.50000	0.666636(aQM)	IH
111	n-Butylbenzene	134	8.159	8.160	(1.026)	3668	0.50000	0.554323(aQ)	
112	Hexachloroethane	117	8.295	8.285	(1.043)	1752	0.50000	0.716686(aM)	IH
113	1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	5854	0.50000	0.414954(a)	
114	1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	380	0.50000	0.639575(aQM)	IH
115	Nitrobenzene	77	9.469	9.464	(1.191)	1713	5.00000	3.55791	
116	Hexachlorobutadiene	225	9.523	9.524	(1.198)	1952	0.50000	0.667720(aM)	IH
M 120	1,3-Dichloropropene, Total	75				8736	1.00000	1.22483	
117	1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	4177	0.50000	0.447095(a)	
M 121	Total Xylenes	106				38742	1.50000	1.89332	
118	Naphthalene	128	9.829	9.829	(1.236)	10056	0.50000	0.684099(a)	
119	1,2,3-Trichlorobenzene	180	9.981	9.982	(1.255)	3948	0.50000	0.665965(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



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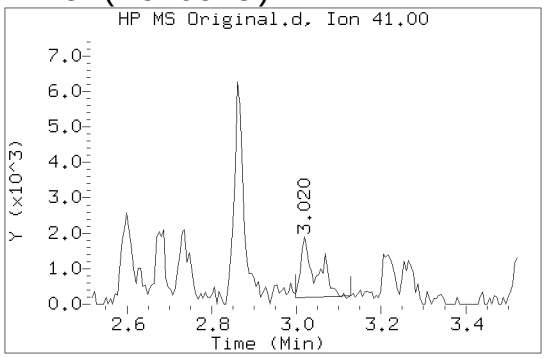
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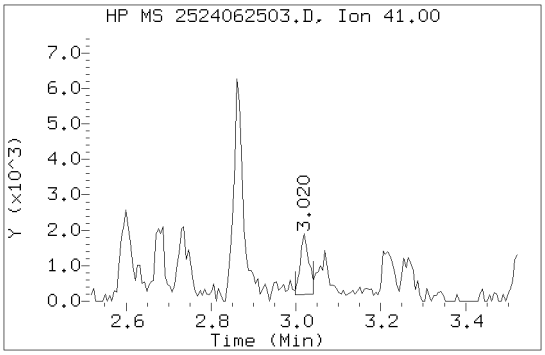
Acetonitrile (75-05-8)

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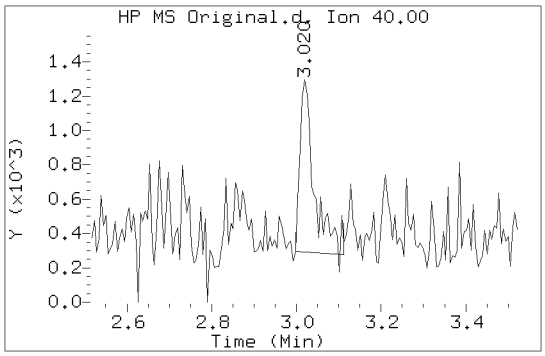
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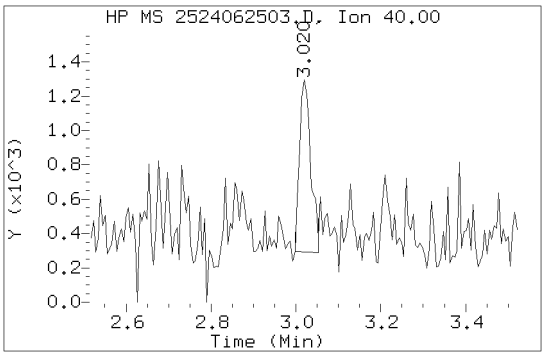
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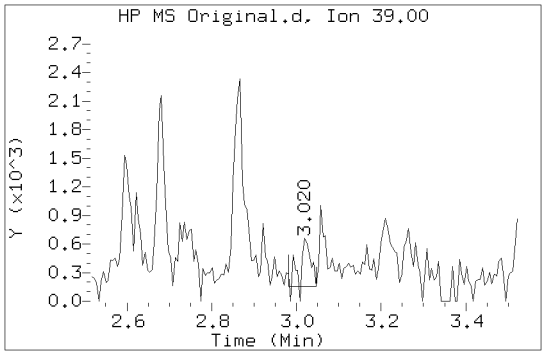
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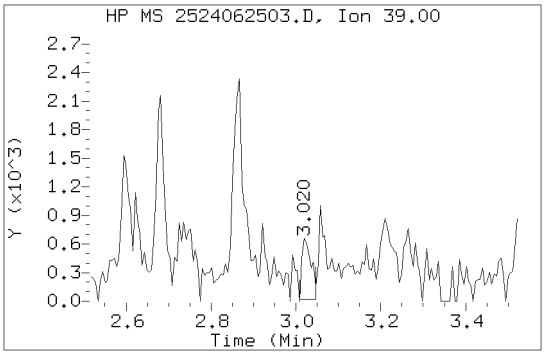
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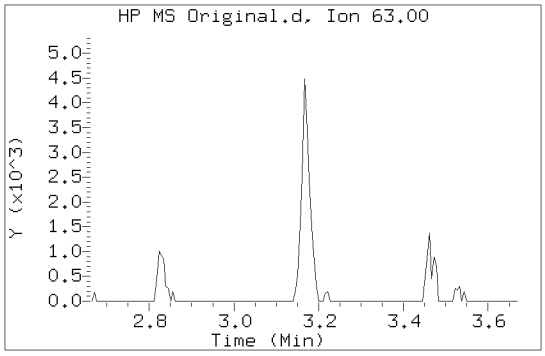
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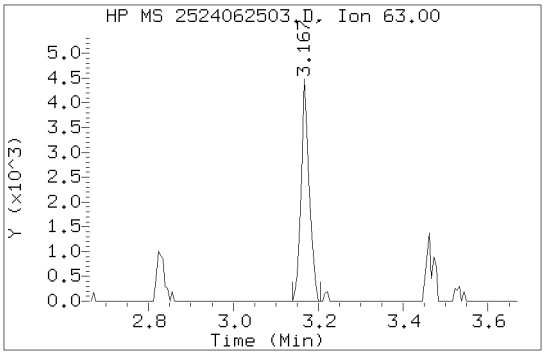
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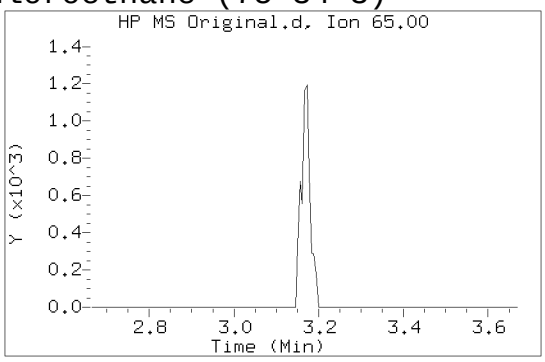


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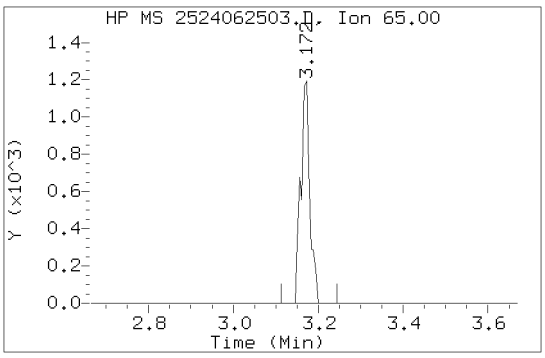
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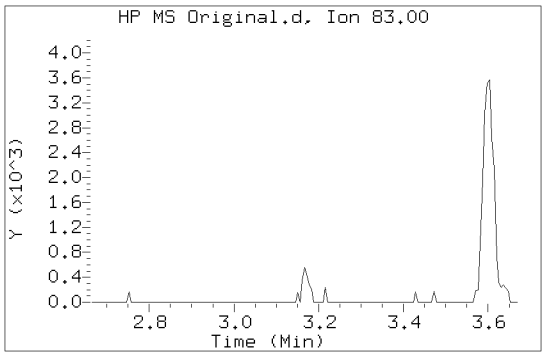
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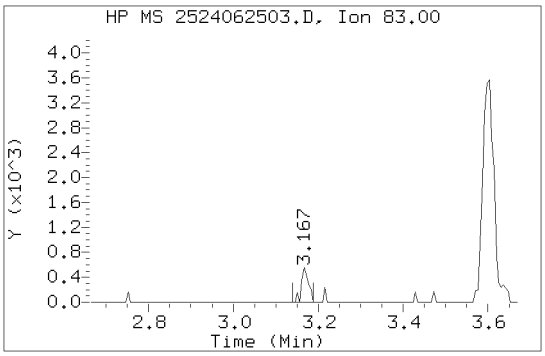
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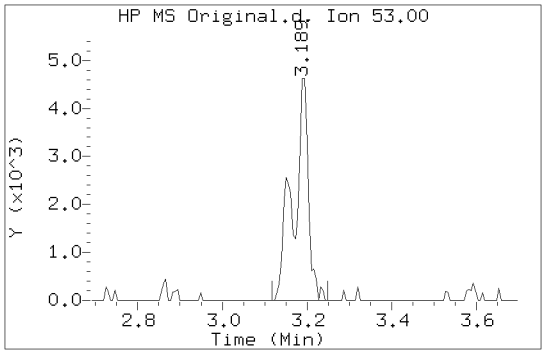
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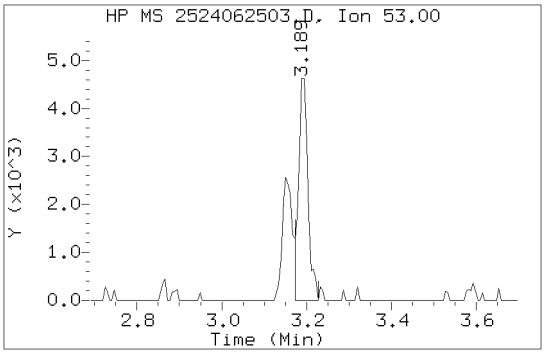
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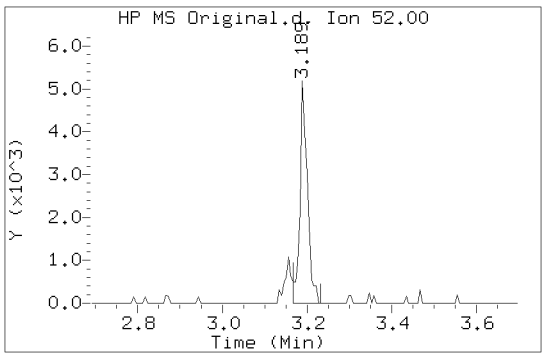
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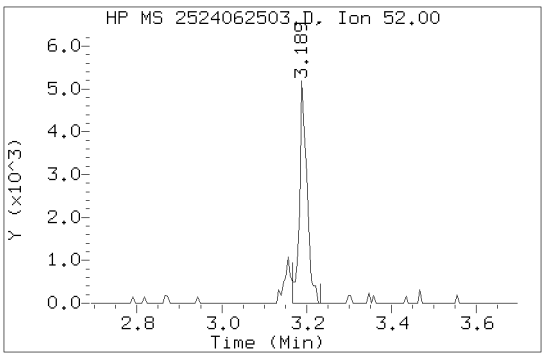
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25-Jun-2024
18:50



AFTER
MASS
52
AREA
6355
HEIGHT
5186
25-Jun-2024
19:32

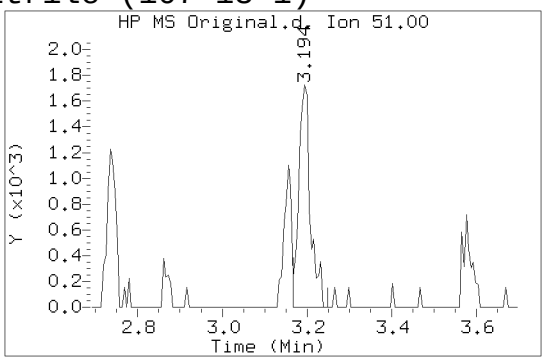


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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

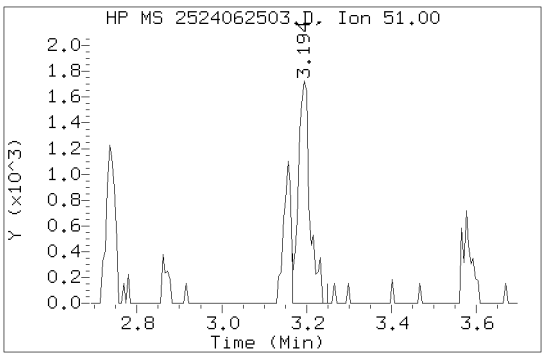
Acrylonitrile (107-13-1)

Reason Code: MP

BEFORE
MASS
51
AREA
3306
HEIGHT
1726
25-Jun-2024
18:50



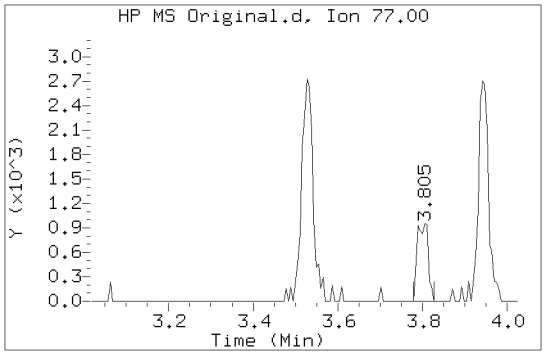
AFTER
MASS
51
AREA
3306
HEIGHT
1726
25-Jun-2024
19:32



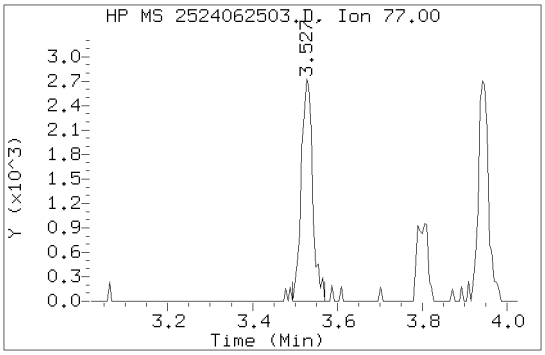
2,2-Dichloropropane (594-20-7)

Reason Code: H

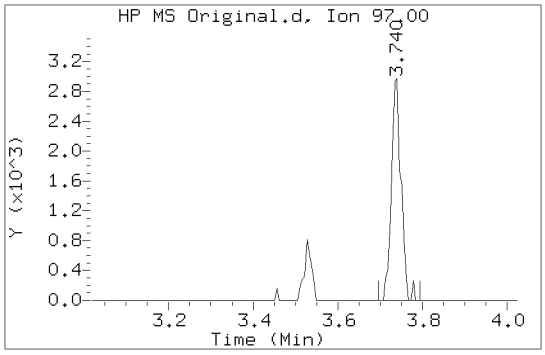
BEFORE
MASS
77
AREA
1736
HEIGHT
956
25-Jun-2024
18:50



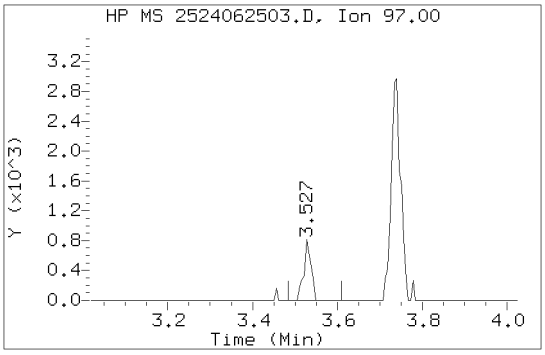
AFTER
MASS
77
AREA
5081
HEIGHT
2728
25-Jun-2024
19:32



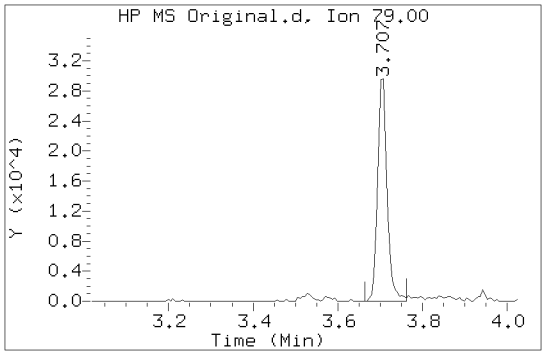
BEFORE
MASS
97
AREA
4715
HEIGHT
2970
25-Jun-2024
18:50



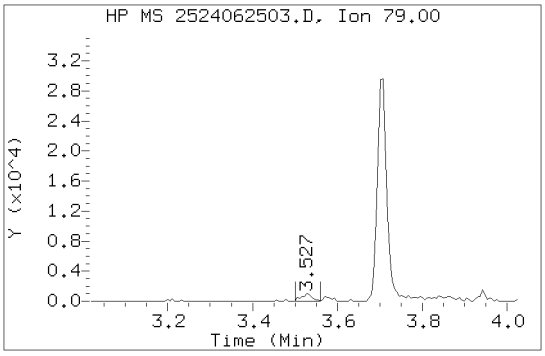
AFTER
MASS
97
AREA
980
HEIGHT
820
25-Jun-2024
19:32



BEFORE
MASS
79
AREA
45962
HEIGHT
29592
25-Jun-2024
18:50



AFTER
MASS
79
AREA
1712
HEIGHT
1011
25-Jun-2024
19:32

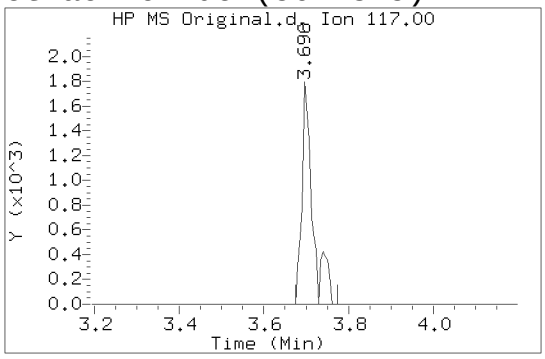


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LabSampID : VSTD00.5

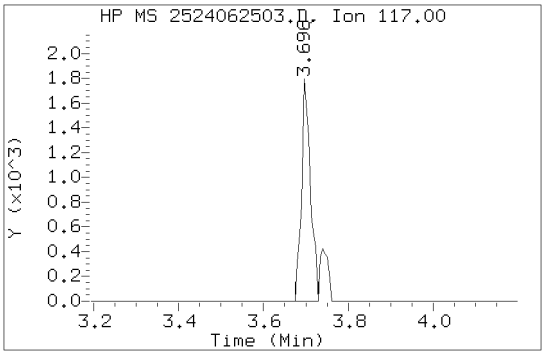
Carbon Tetrachloride (56-23-5)

Reason Code: MP

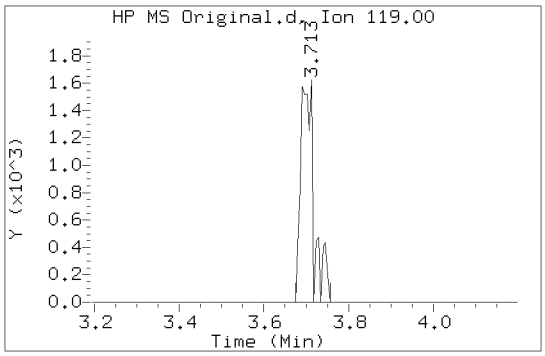
BEFORE
MASS
117
AREA
3171
HEIGHT
1795
25-Jun-2024
18:50



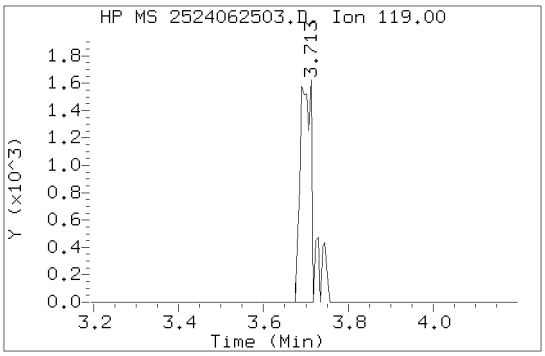
AFTER
MASS
117
AREA
2612
HEIGHT
1795
25-Jun-2024
19:32



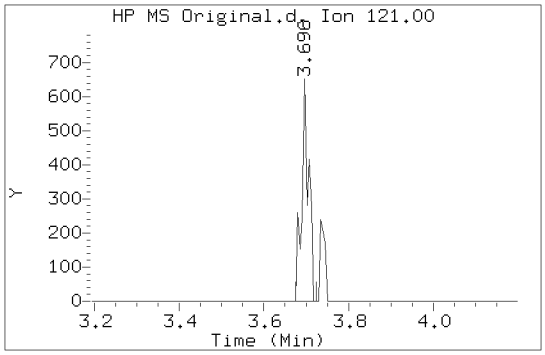
BEFORE
MASS
119
AREA
3504
HEIGHT
1624
25-Jun-2024
18:50



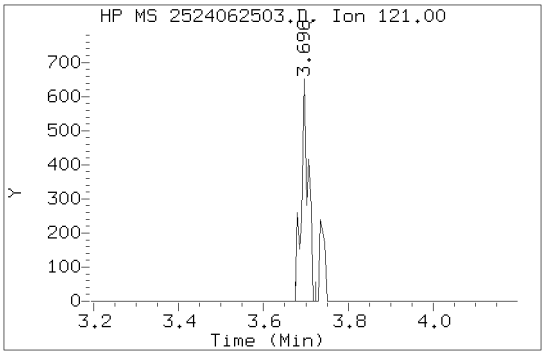
AFTER
MASS
119
AREA
2860
HEIGHT
1624
25-Jun-2024
19:32



BEFORE
MASS
121
AREA
747
HEIGHT
652
25-Jun-2024
18:50



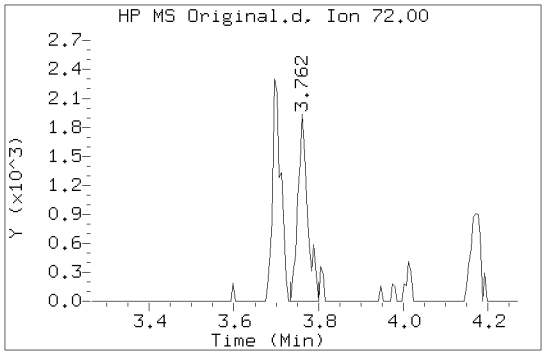
AFTER
MASS
121
AREA
747
HEIGHT
652
25-Jun-2024
19:32



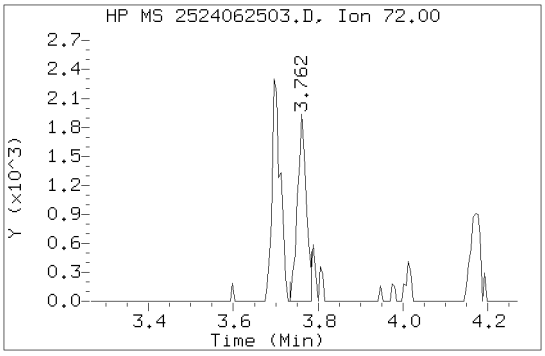
2-Butanone (78-93-3)

Reason Code: MP

BEFORE
MASS
72
AREA
3100
HEIGHT
1940
25-Jun-2024
18:50



AFTER
MASS
72
AREA
2817
HEIGHT
1940
25-Jun-2024
19:32



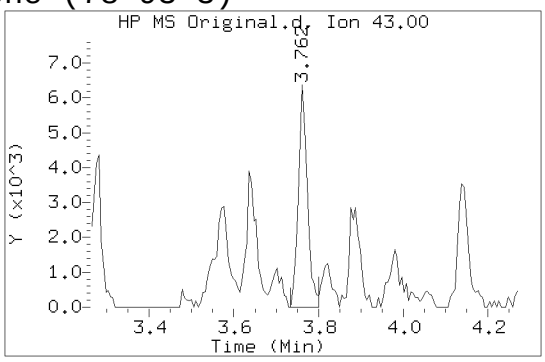
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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

2-Butanone (78-93-3)

Reason Code: MP

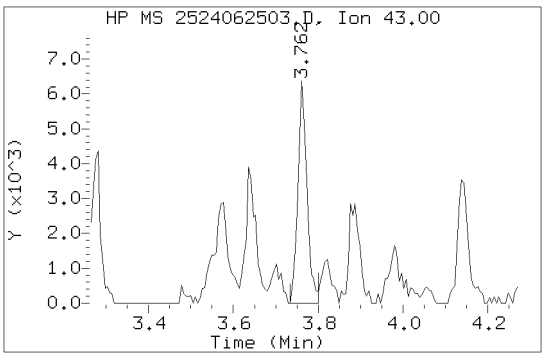
BEFORE

MASS
43
AREA
9470
HEIGHT
6373
25-Jun-2024
18:50



AFTER

MASS
43
AREA
9470
HEIGHT
6373
25-Jun-2024
19:32

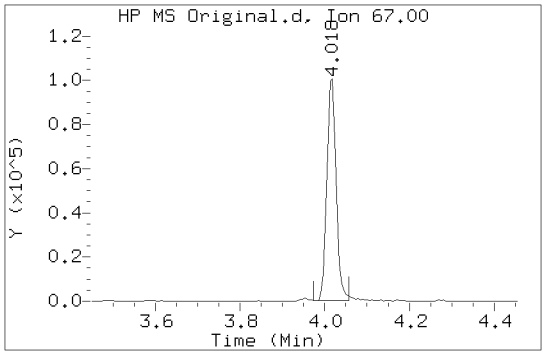


Methacrylonitrile (126-98-7)

Reason Code: H

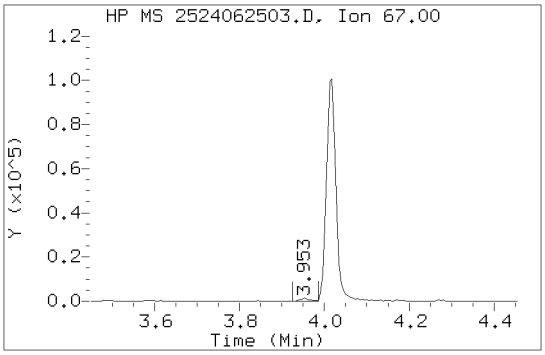
BEFORE

MASS
67
AREA
151134
HEIGHT
100353
25-Jun-2024
18:50



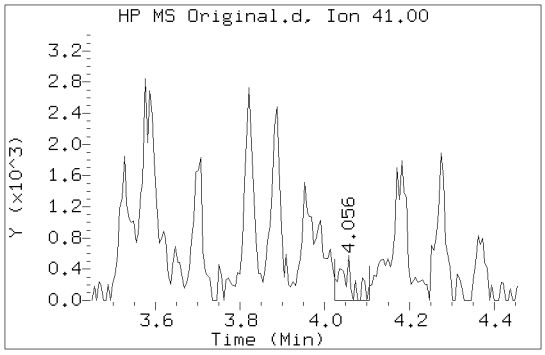
AFTER

MASS
67
AREA
2086
HEIGHT
1381
25-Jun-2024
19:32



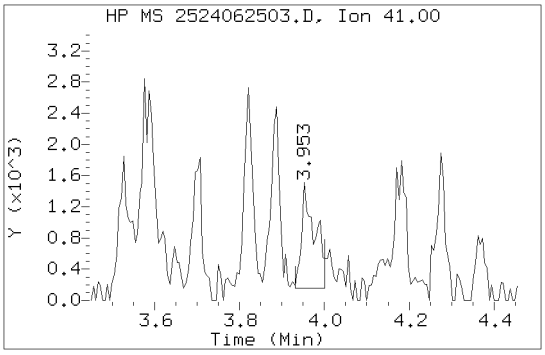
BEFORE

MASS
41
AREA
1170
HEIGHT
573
25-Jun-2024
18:50



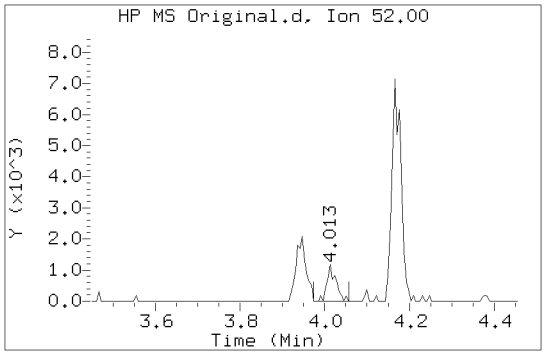
AFTER

MASS
41
AREA
2974
HEIGHT
1355
25-Jun-2024
19:32



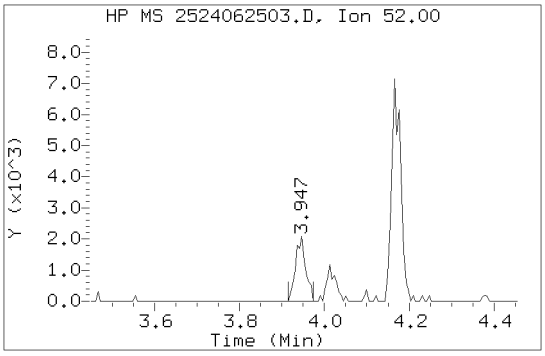
BEFORE

MASS
52
AREA
1694
HEIGHT
1178
25-Jun-2024
18:50



AFTER

MASS
52
AREA
3467
HEIGHT
2088
25-Jun-2024
19:32

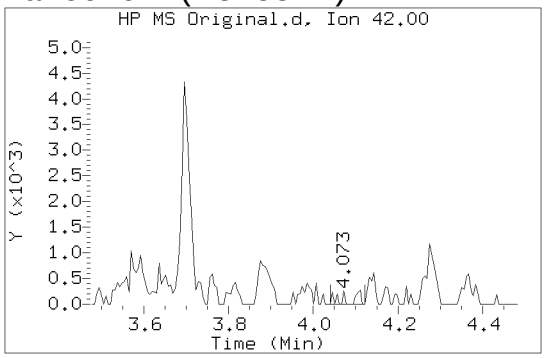


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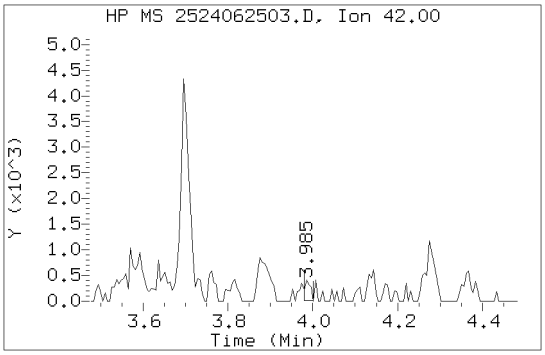
Isobutyl alcohol (78-83-1)

Reason Code: H

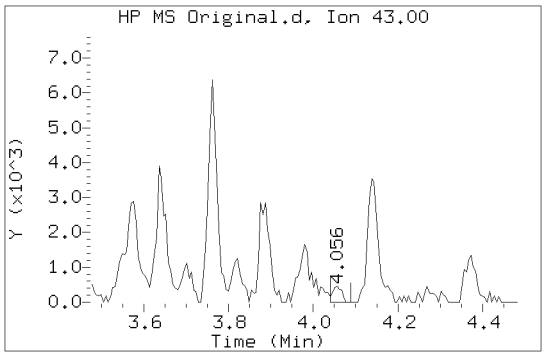
BEFORE
MASS
42
AREA
442
HEIGHT
269
25-Jun-2024
18:50



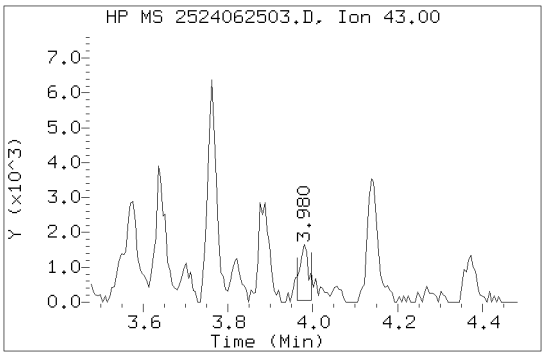
AFTER
MASS
42
AREA
394
HEIGHT
411
25-Jun-2024
19:32



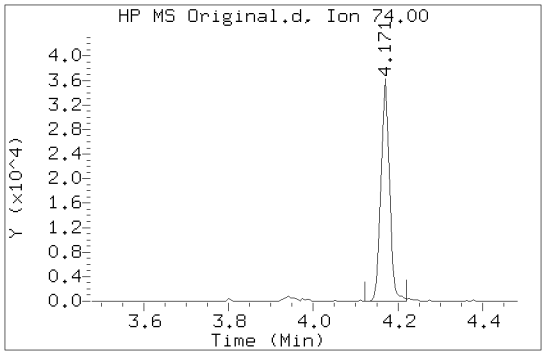
BEFORE
MASS
43
AREA
701
HEIGHT
454
25-Jun-2024
18:50



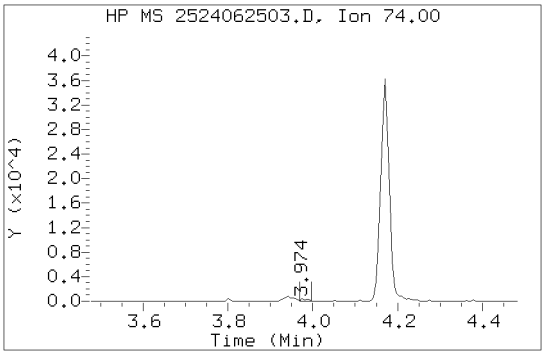
AFTER
MASS
43
AREA
2339
HEIGHT
1609
25-Jun-2024
19:32



BEFORE
MASS
74
AREA
50301
HEIGHT
36256
25-Jun-2024
18:50



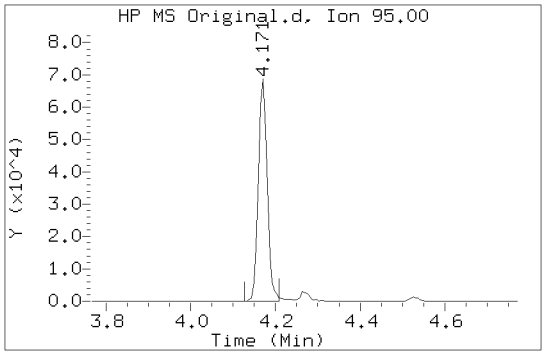
AFTER
MASS
74
AREA
400
HEIGHT
443
25-Jun-2024
19:32



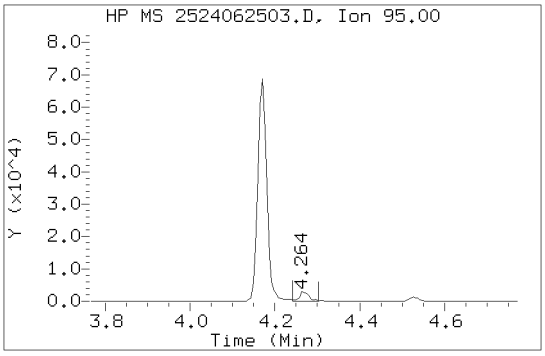
Trichloroethene (79-01-6)

Reason Code: H

BEFORE
MASS
95
AREA
100436
HEIGHT
68728
25-Jun-2024
18:50



AFTER
MASS
95
AREA
4490
HEIGHT
3049
25-Jun-2024
19:32

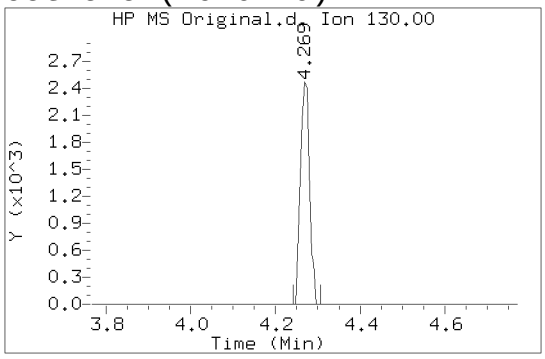


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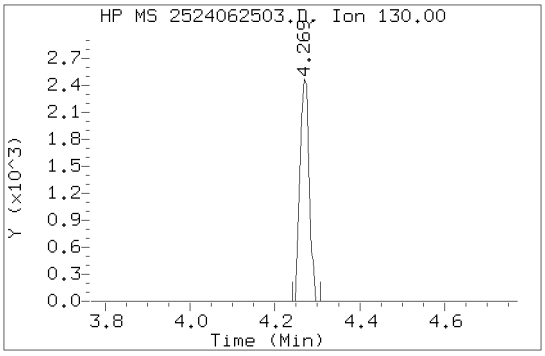
Trichloroethene (79-01-6)

Reason Code: H

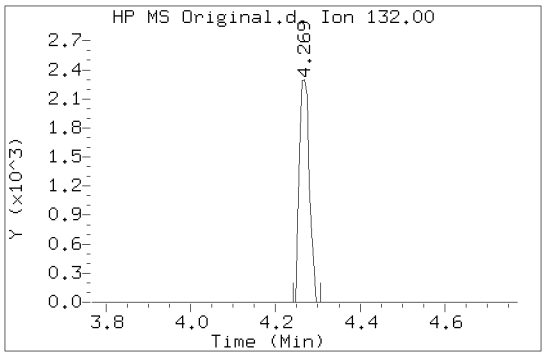
BEFORE
MASS
130
AREA
3727
HEIGHT
2468
25-Jun-2024
18:50



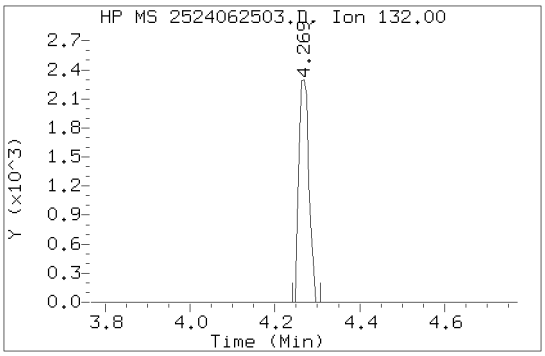
AFTER
MASS
130
AREA
3727
HEIGHT
2468
25-Jun-2024
19:32



BEFORE
MASS
132
AREA
3832
HEIGHT
2296
25-Jun-2024
18:50



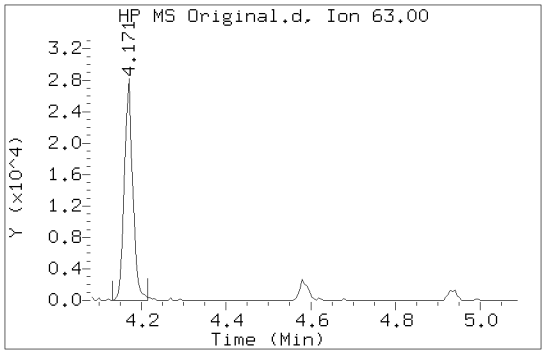
AFTER
MASS
132
AREA
3832
HEIGHT
2296
25-Jun-2024
19:32



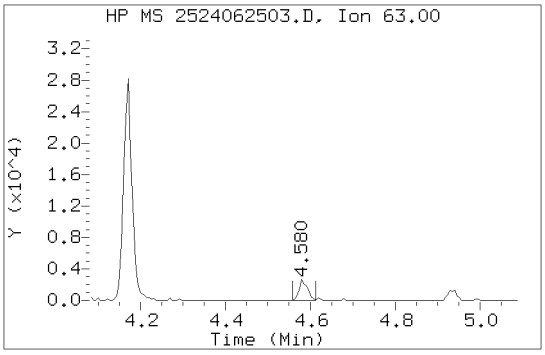
1,2-Dichloropropane (78-87-5)

Reason Code: H

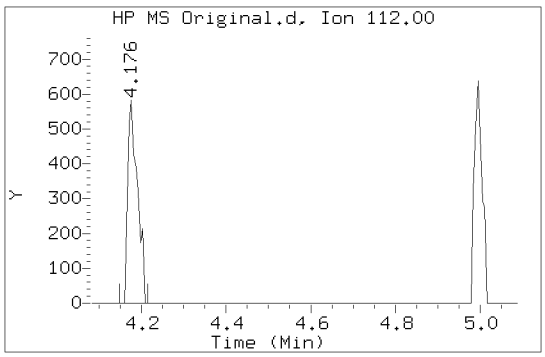
BEFORE
MASS
63
AREA
39289
HEIGHT
28192
25-Jun-2024
18:50



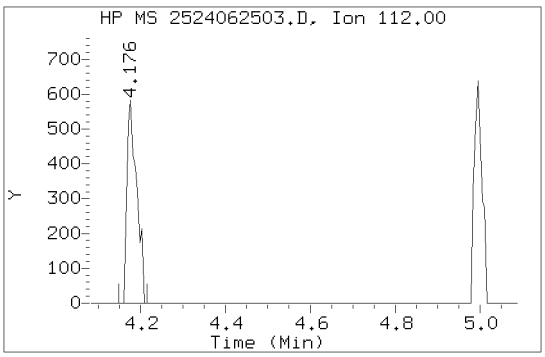
AFTER
MASS
63
AREA
3551
HEIGHT
2696
25-Jun-2024
19:32



BEFORE
MASS
112
AREA
932
HEIGHT
583
25-Jun-2024
18:50



AFTER
MASS
112
AREA
932
HEIGHT
583
25-Jun-2024
19:32

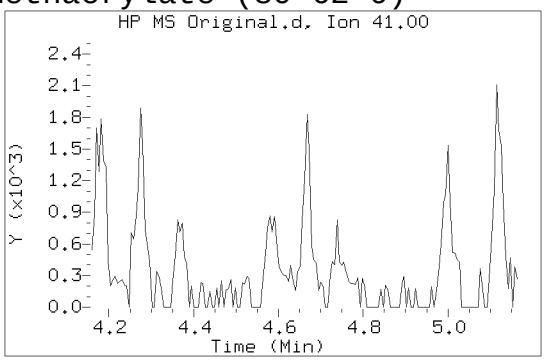


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LabSampID : VSTD00.5

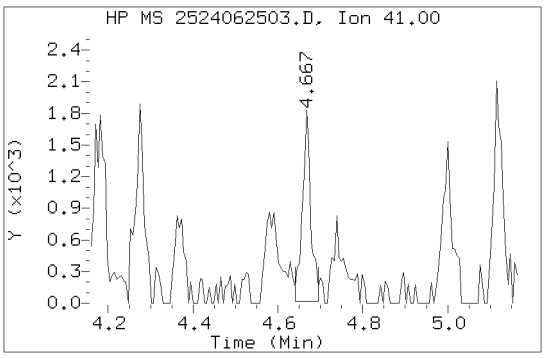
Methyl methacrylate (80-62-6)

Reason Code: IH

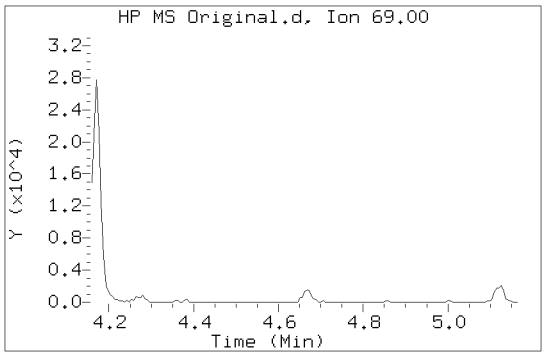
BEFORE
MASS
41
AREA
0
HEIGHT
0
25-Jun-2024
18:50



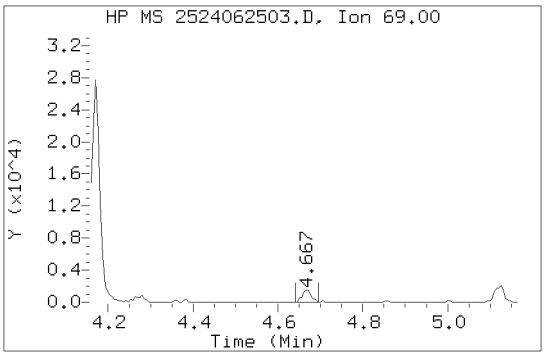
AFTER
MASS
41
AREA
2494
HEIGHT
1807
25-Jun-2024
19:32



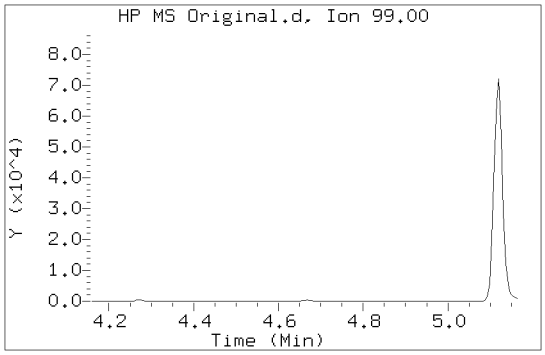
BEFORE
MASS
69
AREA
0
HEIGHT
0
25-Jun-2024
18:50



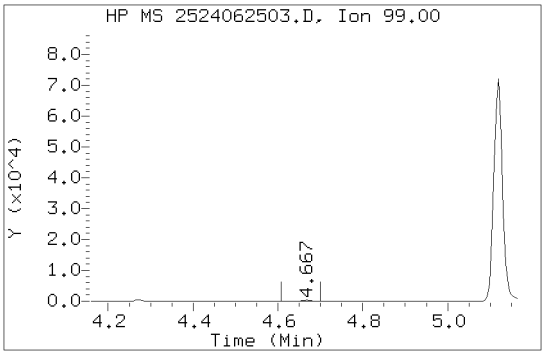
AFTER
MASS
69
AREA
2267
HEIGHT
1535
25-Jun-2024
19:32



BEFORE
MASS
99
AREA
0
HEIGHT
0
25-Jun-2024
18:50



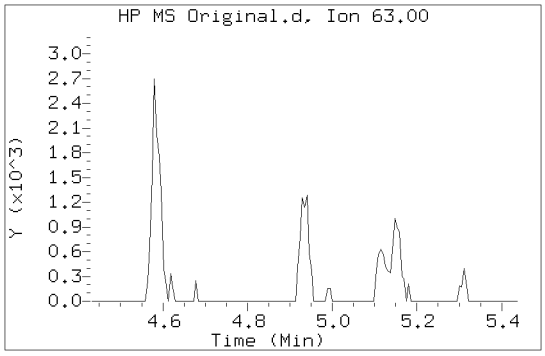
AFTER
MASS
99
AREA
362
HEIGHT
347
25-Jun-2024
19:32



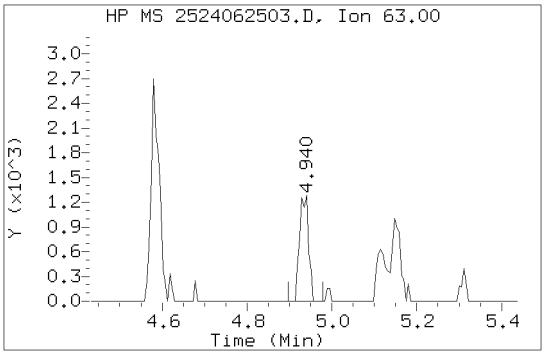
2-Chloroethylvinyl ether (110-75-8)

Reason Code: IH

BEFORE
MASS
63
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
63
AREA
1903
HEIGHT
1284
25-Jun-2024
19:32

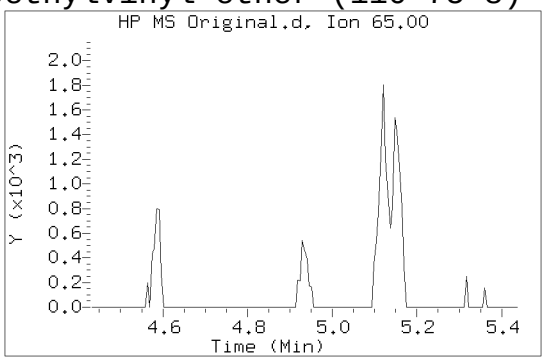


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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

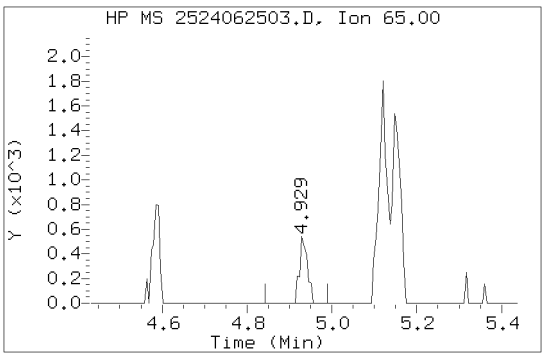
2-Chloroethylvinyl ether (110-75-8)

Reason Code: IH

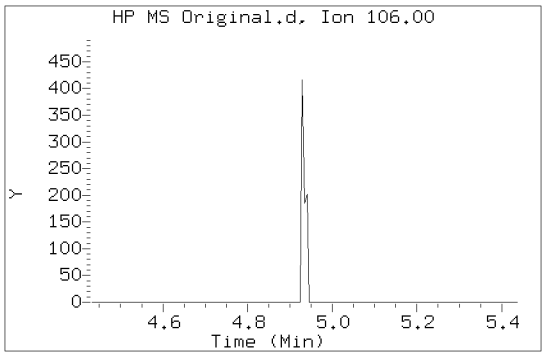
BEFORE
MASS
65
AREA
0
HEIGHT
0
25-Jun-2024
18:50



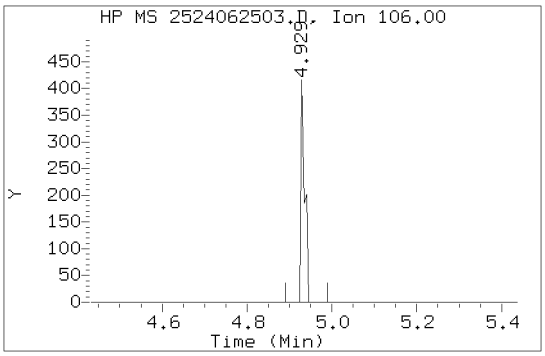
AFTER
MASS
65
AREA
708
HEIGHT
543
25-Jun-2024
19:32



BEFORE
MASS
106
AREA
0
HEIGHT
0
25-Jun-2024
18:50



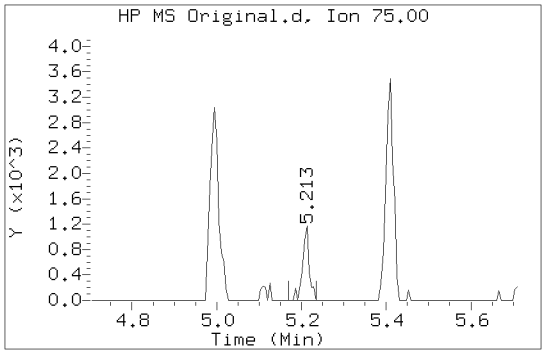
AFTER
MASS
106
AREA
262
HEIGHT
416
25-Jun-2024
19:32



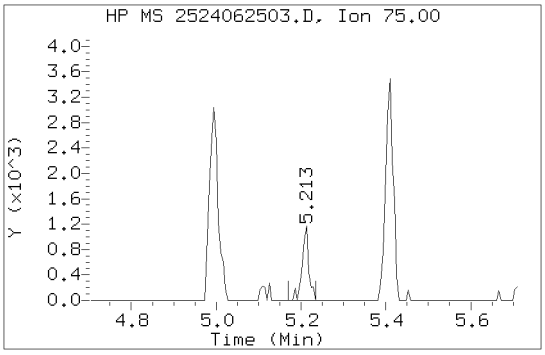
Chloroacetonitrile (107-14-2)

Reason Code: H

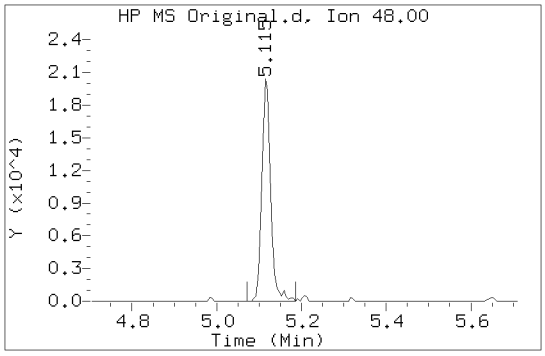
BEFORE
MASS
75
AREA
1271
HEIGHT
1174
25-Jun-2024
18:50



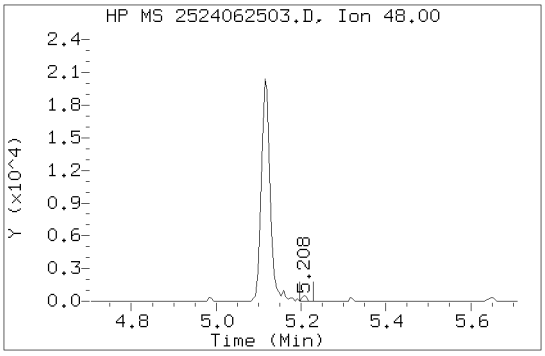
AFTER
MASS
75
AREA
1271
HEIGHT
1174
25-Jun-2024
19:32



BEFORE
MASS
48
AREA
29612
HEIGHT
20416
25-Jun-2024
18:50



AFTER
MASS
48
AREA
388
HEIGHT
520
25-Jun-2024
19:32



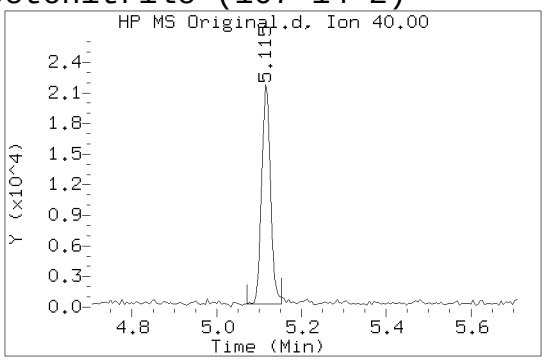
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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

Chloroacetonitrile (107-14-2)

Reason Code: H

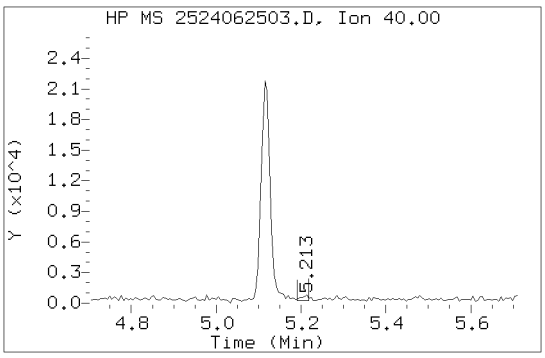
BEFORE

MASS
40
AREA
31606
HEIGHT
21477
25-Jun-2024
18:50



AFTER

MASS
40
AREA
602
HEIGHT
530
25-Jun-2024
19:32

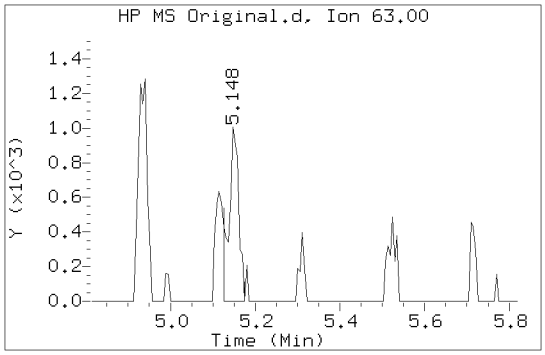


1,1-Dichloro-2-Propanone (513-88-2)

Reason Code: H

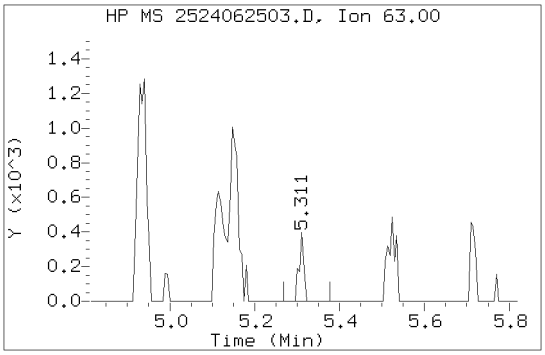
BEFORE

MASS
63
AREA
1657
HEIGHT
1005
25-Jun-2024
18:50



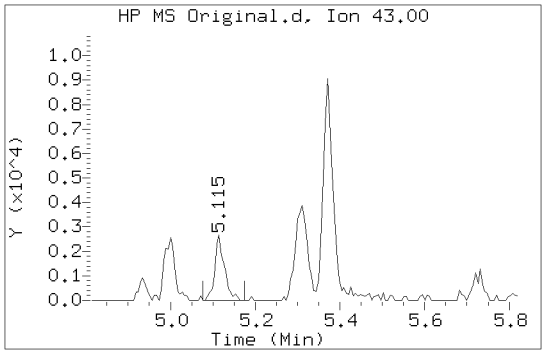
AFTER

MASS
63
AREA
307
HEIGHT
397
25-Jun-2024
19:32



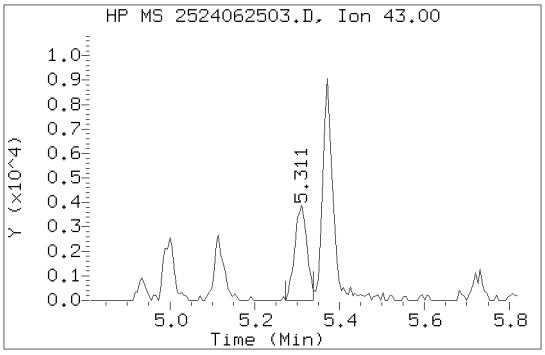
BEFORE

MASS
43
AREA
4212
HEIGHT
2670
25-Jun-2024
18:50



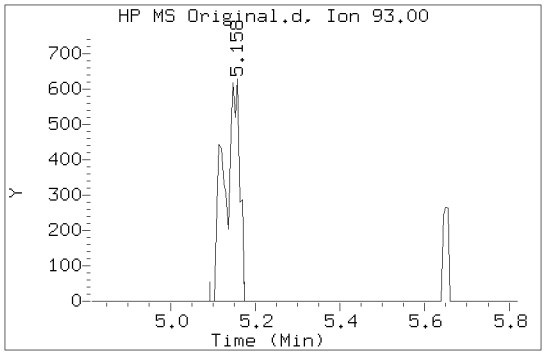
AFTER

MASS
43
AREA
7826
HEIGHT
3868
25-Jun-2024
19:32



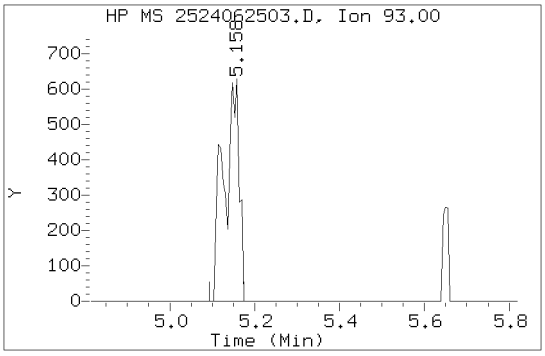
BEFORE

MASS
93
AREA
1570
HEIGHT
629
25-Jun-2024
18:50



AFTER

MASS
93
AREA
1570
HEIGHT
629
25-Jun-2024
19:32

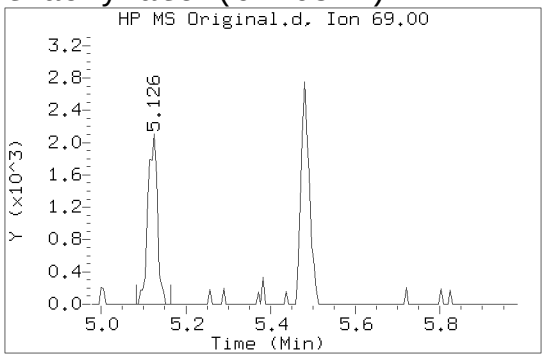


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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

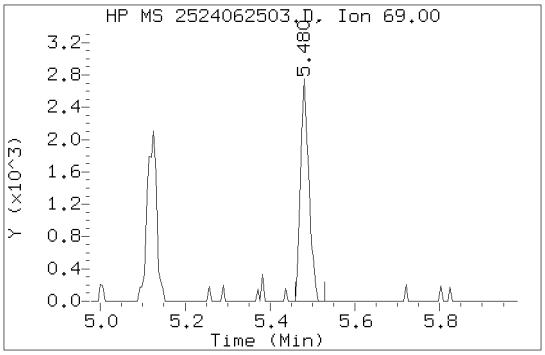
Ethyl Methacrylate (97-63-2)

Reason Code: H

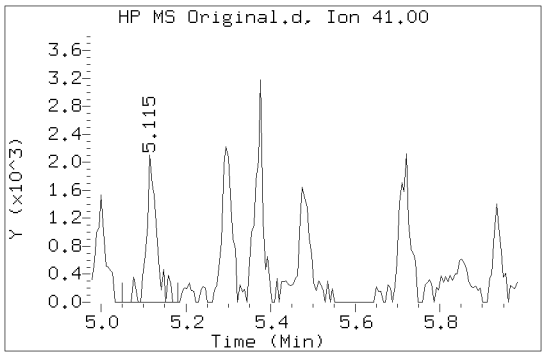
BEFORE
MASS
69
AREA
3279
HEIGHT
2105
25-Jun-2024
18:50



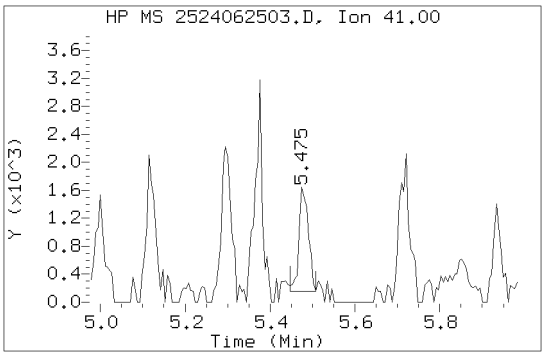
AFTER
MASS
69
AREA
3766
HEIGHT
2751
25-Jun-2024
19:32



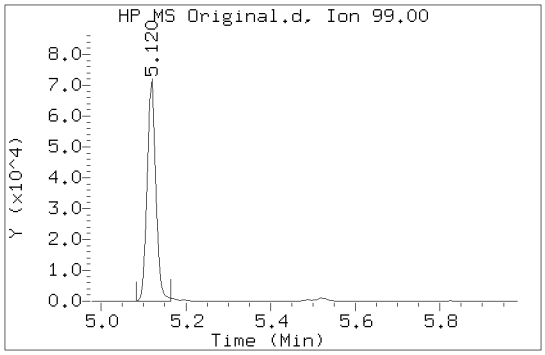
BEFORE
MASS
41
AREA
3522
HEIGHT
2108
25-Jun-2024
18:50



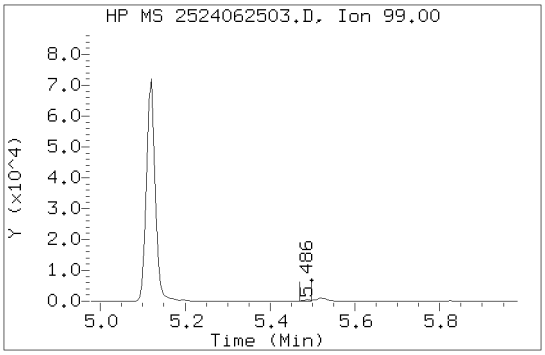
AFTER
MASS
41
AREA
2315
HEIGHT
1491
25-Jun-2024
19:32



BEFORE
MASS
99
AREA
103308
HEIGHT
72032
25-Jun-2024
18:50



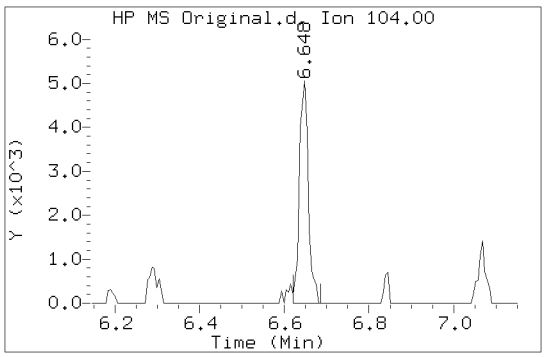
AFTER
MASS
99
AREA
564
HEIGHT
580
25-Jun-2024
19:32



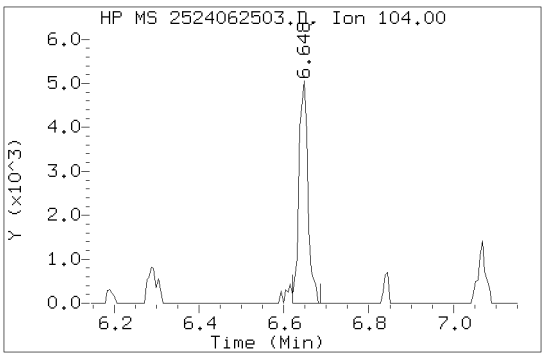
Styrene (100-42-5)

Reason Code: MP

BEFORE
MASS
104
AREA
7432
HEIGHT
5057
25-Jun-2024
18:50



AFTER
MASS
104
AREA
7432
HEIGHT
5057
25-Jun-2024
19:32

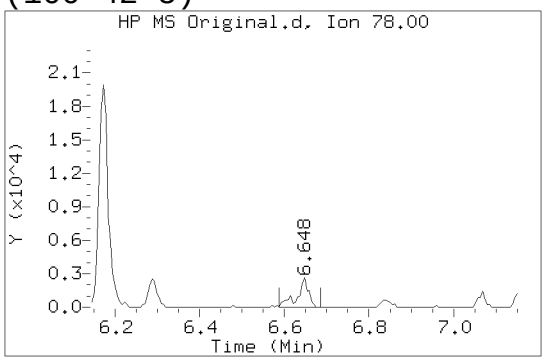


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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

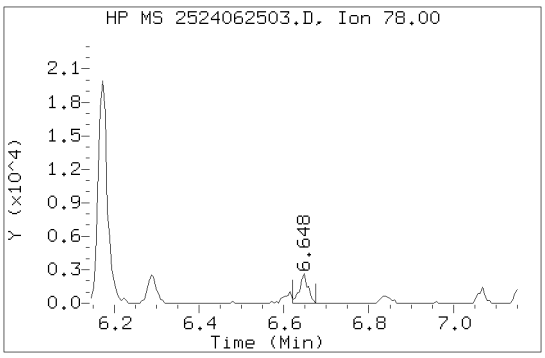
Styrene (100-42-5)

Reason Code: MP

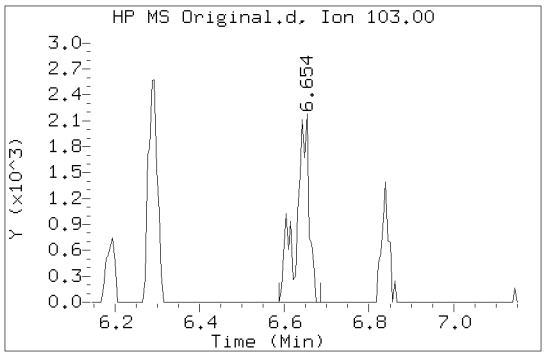
BEFORE
MASS
78
AREA
4781
HEIGHT
2634
25-Jun-2024
18:50



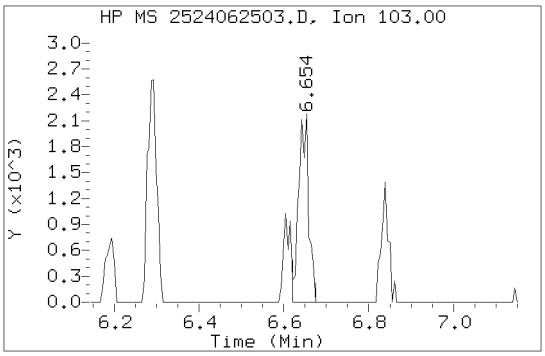
AFTER
MASS
78
AREA
3660
HEIGHT
2633
25-Jun-2024
19:32



BEFORE
MASS
103
AREA
4697
HEIGHT
2183
25-Jun-2024
18:50



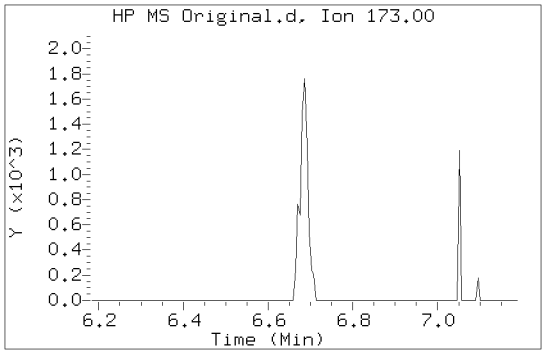
AFTER
MASS
103
AREA
3568
HEIGHT
2181
25-Jun-2024
19:32



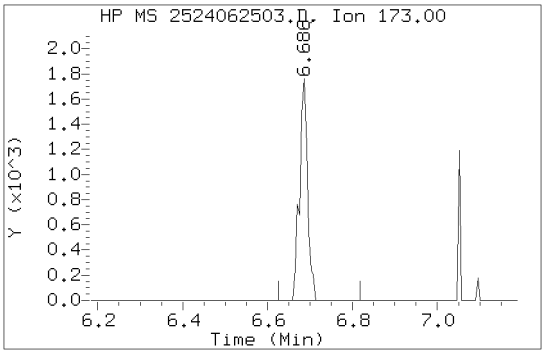
Bromoform (75-25-2)

Reason Code: IH

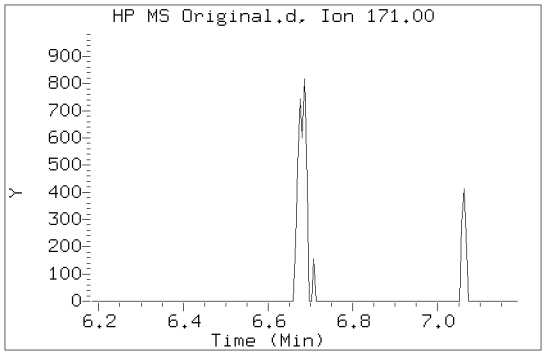
BEFORE
MASS
173
AREA
0
HEIGHT
0
25-Jun-2024
18:50



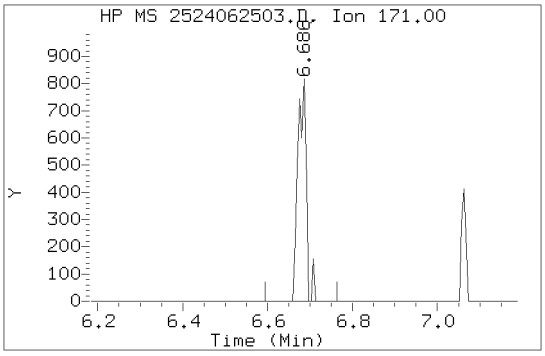
AFTER
MASS
173
AREA
2337
HEIGHT
1762
25-Jun-2024
19:32



BEFORE
MASS
171
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
171
AREA
1136
HEIGHT
817
25-Jun-2024
19:32

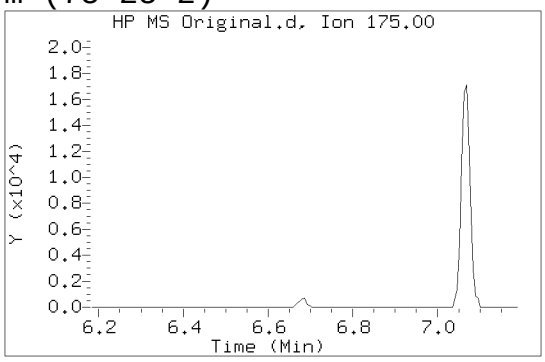


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Inj Date : 25-JUN-2024 11:03
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LabSampID : VSTD00.5

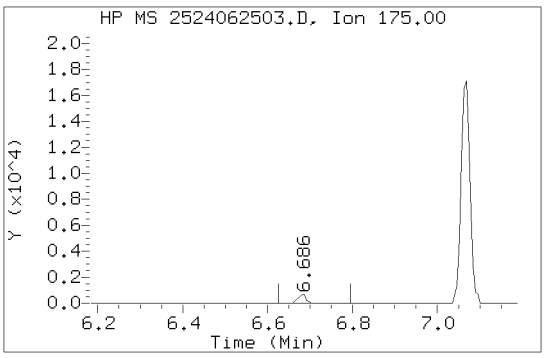
Bromoform (75-25-2)

Reason Code: IH

BEFORE
MASS
175
AREA
0
HEIGHT
0
25-Jun-2024
18:50



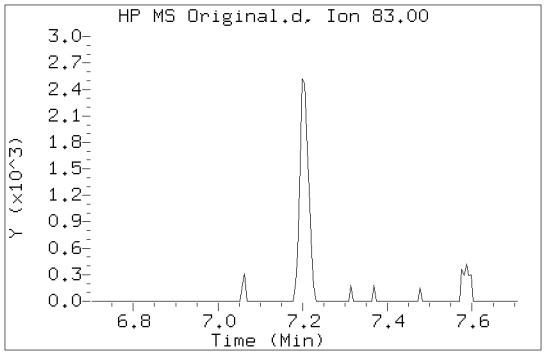
AFTER
MASS
175
AREA
874
HEIGHT
676
25-Jun-2024
19:32



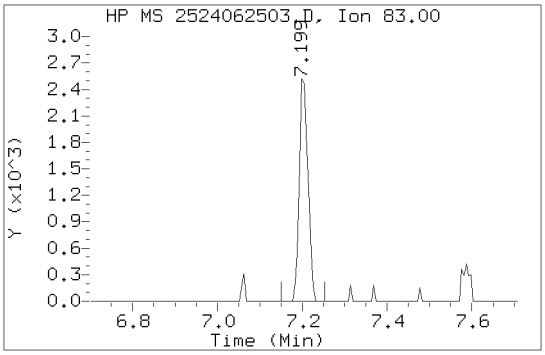
1,1,2,2-Tetrachloroethane (79-34-5)

Reason Code: IH

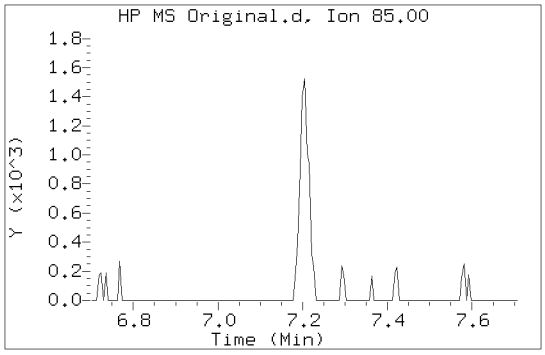
BEFORE
MASS
83
AREA
0
HEIGHT
0
25-Jun-2024
18:50



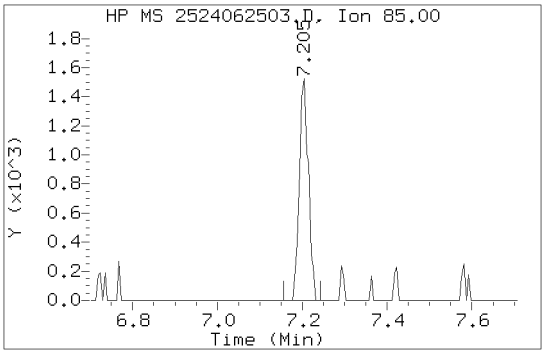
AFTER
MASS
83
AREA
3602
HEIGHT
2520
25-Jun-2024
19:32



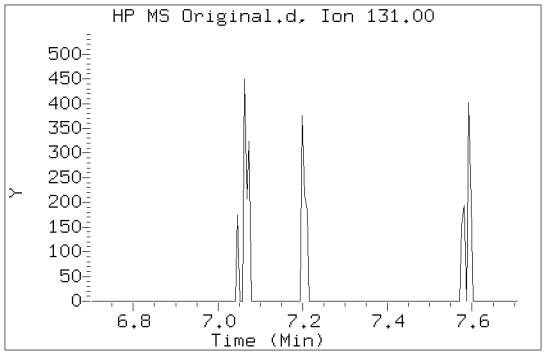
BEFORE
MASS
85
AREA
0
HEIGHT
0
25-Jun-2024
18:50



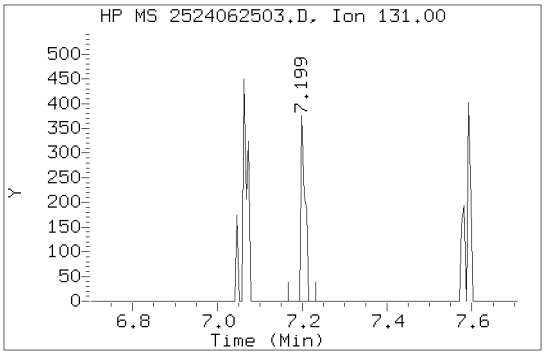
AFTER
MASS
85
AREA
2263
HEIGHT
1524
25-Jun-2024
19:32



BEFORE
MASS
131
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
131
AREA
253
HEIGHT
376
25-Jun-2024
19:32

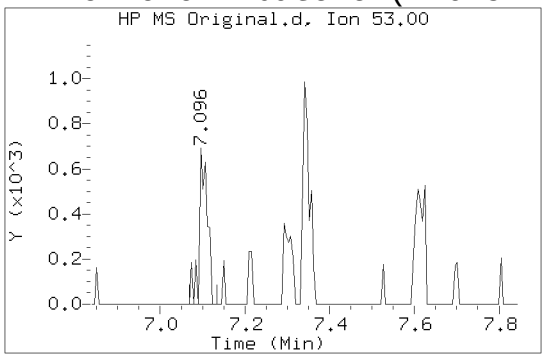


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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

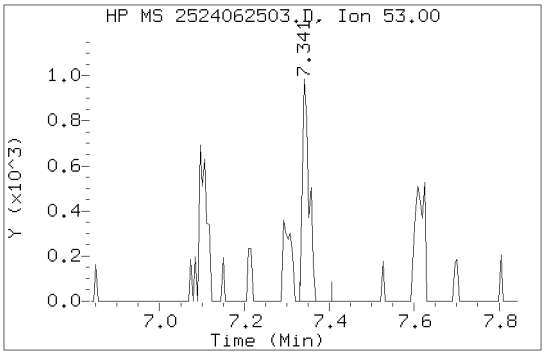
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: H

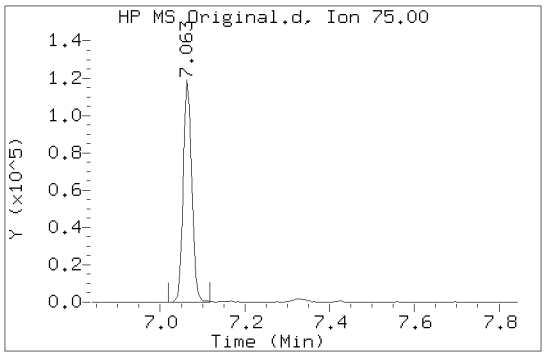
BEFORE
MASS
53
AREA
949
HEIGHT
694
25-Jun-2024
18:50



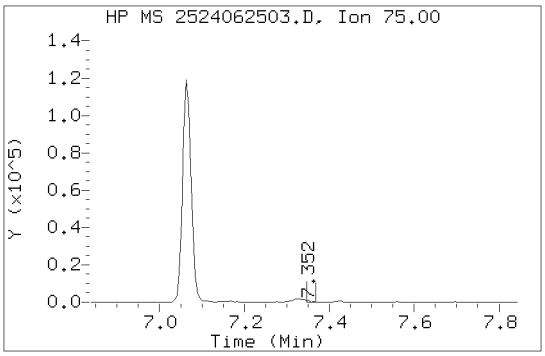
AFTER
MASS
53
AREA
1054
HEIGHT
986
25-Jun-2024
19:32



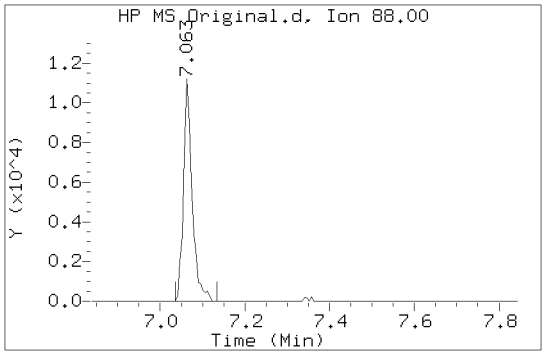
BEFORE
MASS
75
AREA
166839
HEIGHT
119104
25-Jun-2024
18:50



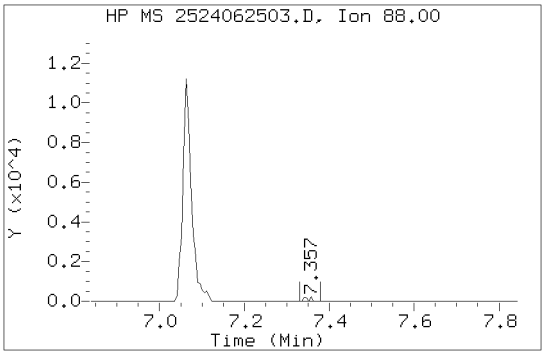
AFTER
MASS
75
AREA
731
HEIGHT
1082
25-Jun-2024
19:32



BEFORE
MASS
88
AREA
15893
HEIGHT
11208
25-Jun-2024
18:50



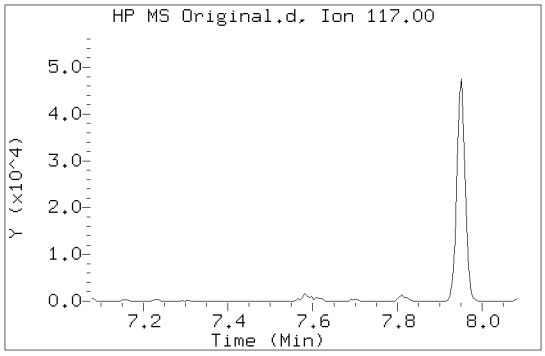
AFTER
MASS
88
AREA
202
HEIGHT
235
25-Jun-2024
19:32



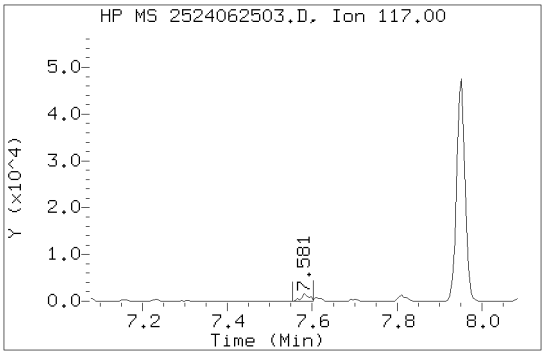
Pentachloroethane (76-01-7)

Reason Code: H

BEFORE
MASS
117
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
117
AREA
2125
HEIGHT
1588
25-Jun-2024
19:32

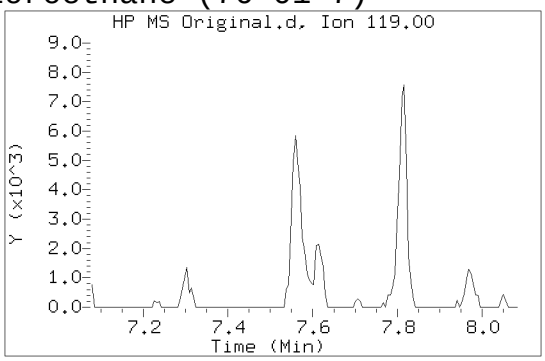


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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

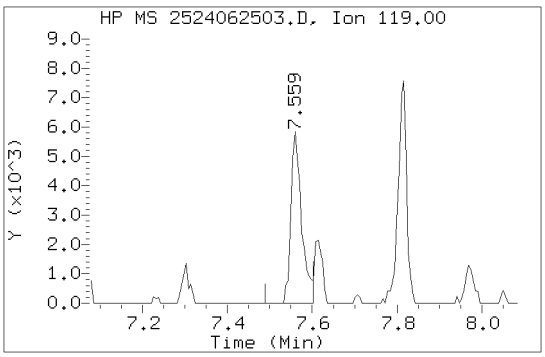
Pentachloroethane (76-01-7)

Reason Code: H

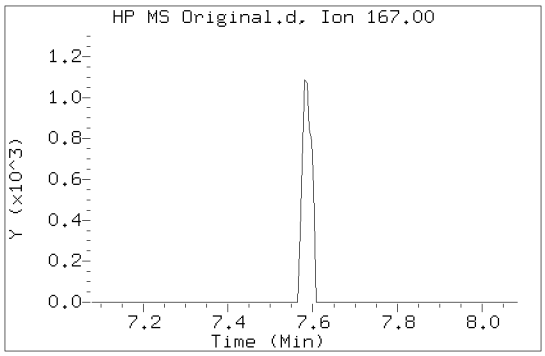
BEFORE
MASS
119
AREA
0
HEIGHT
0
25-Jun-2024
18:50



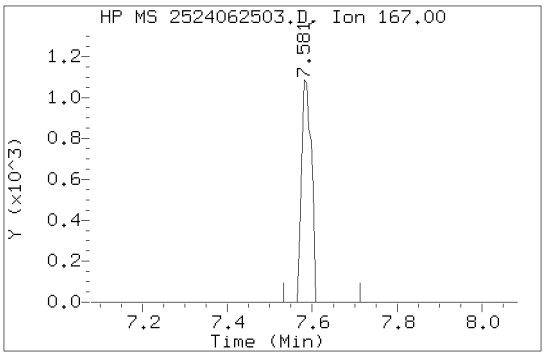
AFTER
MASS
119
AREA
10337
HEIGHT
5835
25-Jun-2024
19:32



BEFORE
MASS
167
AREA
0
HEIGHT
0
25-Jun-2024
18:50



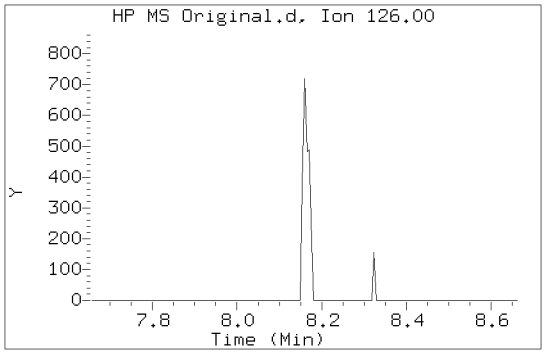
AFTER
MASS
167
AREA
1755
HEIGHT
1086
25-Jun-2024
19:32



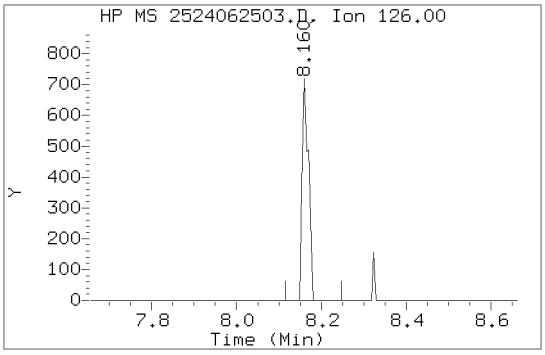
Benzyl Chloride (100-44-7)

Reason Code: IH

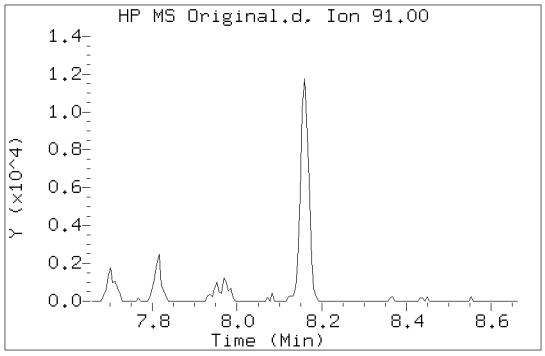
BEFORE
MASS
126
AREA
0
HEIGHT
0
25-Jun-2024
18:50



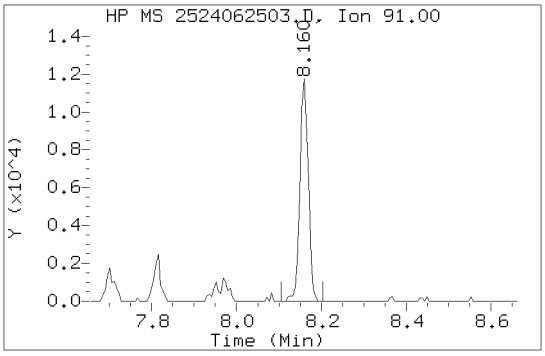
AFTER
MASS
126
AREA
736
HEIGHT
719
25-Jun-2024
19:32



BEFORE
MASS
91
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
91
AREA
16144
HEIGHT
11748
25-Jun-2024
19:32

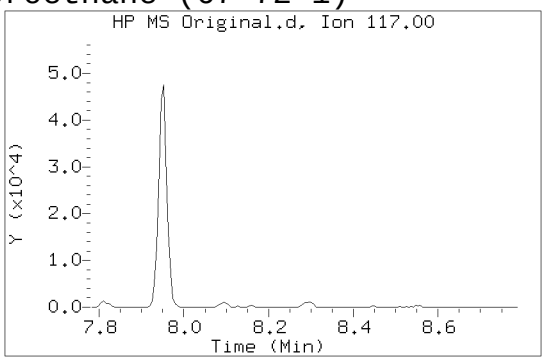


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InstruID : ms25.i
LabSampID : VSTD00.5

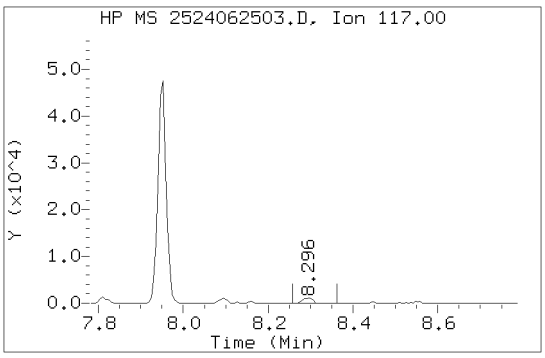
Hexachloroethane (67-72-1)

Reason Code: IH

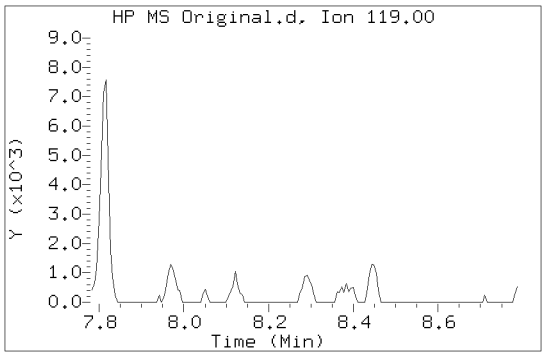
BEFORE
MASS
117
AREA
0
HEIGHT
0
25-Jun-2024
18:50



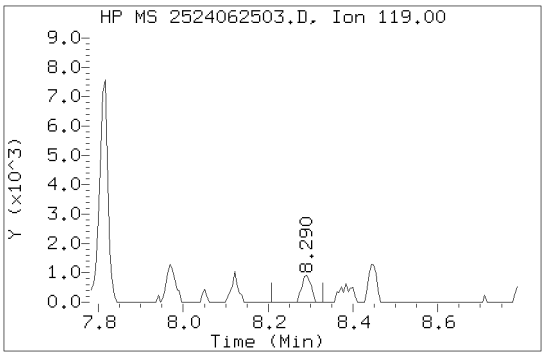
AFTER
MASS
117
AREA
1752
HEIGHT
1065
25-Jun-2024
19:32



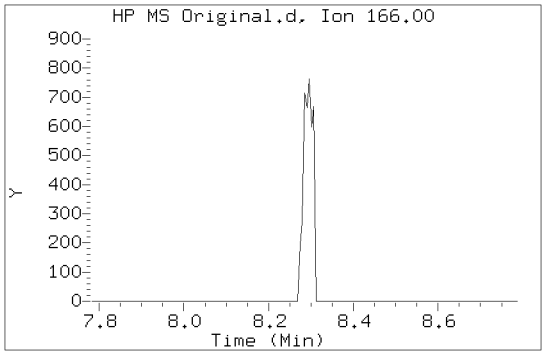
BEFORE
MASS
119
AREA
0
HEIGHT
0
25-Jun-2024
18:50



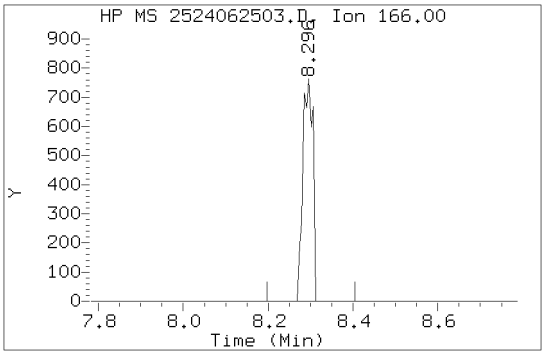
AFTER
MASS
119
AREA
1391
HEIGHT
916
25-Jun-2024
19:32



BEFORE
MASS
166
AREA
0
HEIGHT
0
25-Jun-2024
18:50



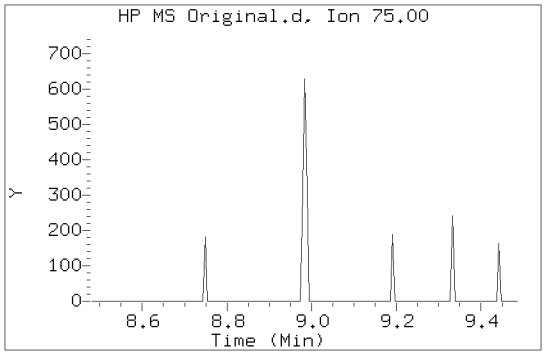
AFTER
MASS
166
AREA
1267
HEIGHT
763
25-Jun-2024
19:32



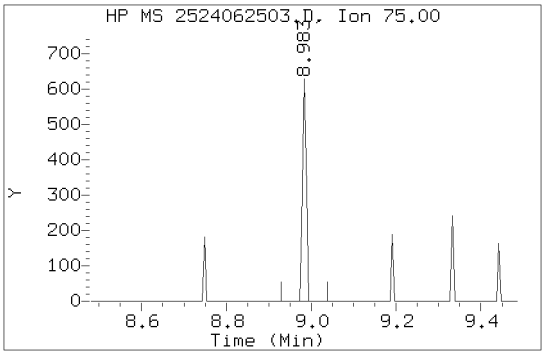
1,2-Dibromo-3-chloropropane (96-12-8)

Reason Code: IH

BEFORE
MASS
75
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
75
AREA
380
HEIGHT
629
25-Jun-2024
19:32

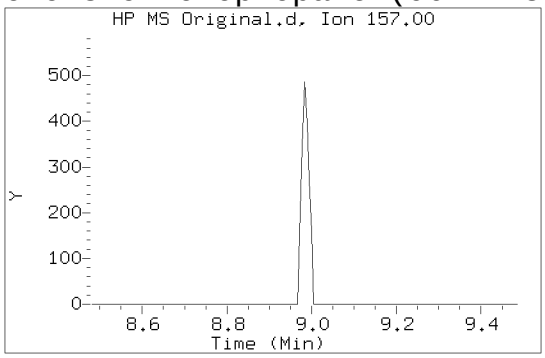


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LabSampID : VSTD00.5

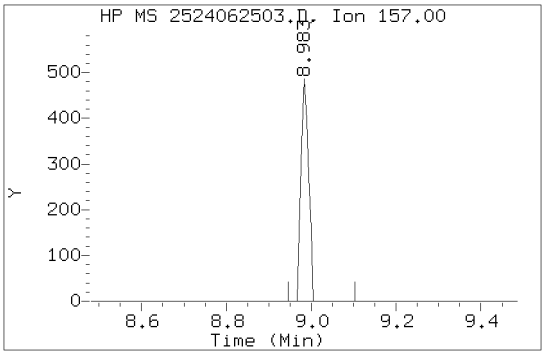
1,2-Dibromo-3-chloropropane (96-12-8)

Reason Code: IH

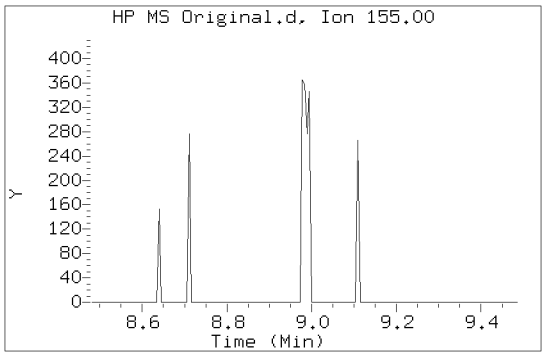
BEFORE
MASS
157
AREA
0
HEIGHT
0
25-Jun-2024
18:50



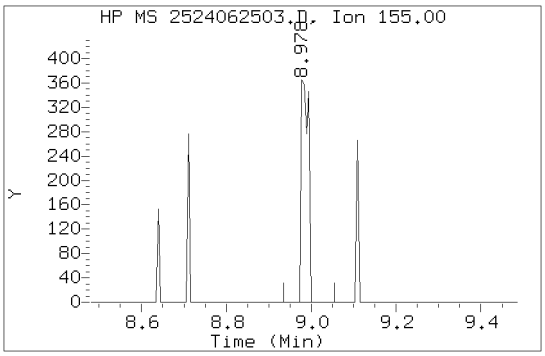
AFTER
MASS
157
AREA
607
HEIGHT
486
25-Jun-2024
19:32



BEFORE
MASS
155
AREA
0
HEIGHT
0
25-Jun-2024
18:50



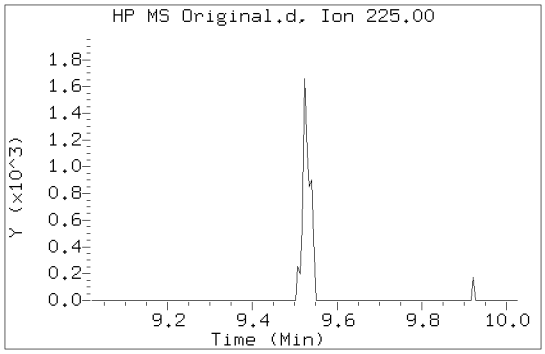
AFTER
MASS
155
AREA
440
HEIGHT
365
25-Jun-2024
19:32



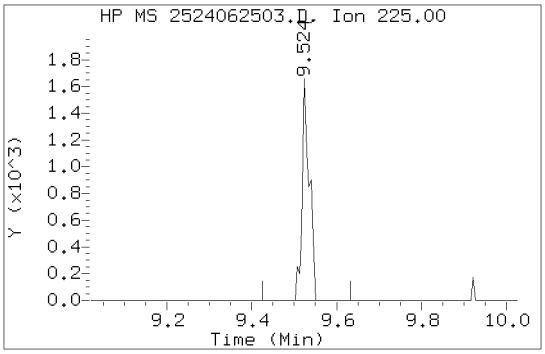
Hexachlorobutadiene (87-68-3)

Reason Code: IH

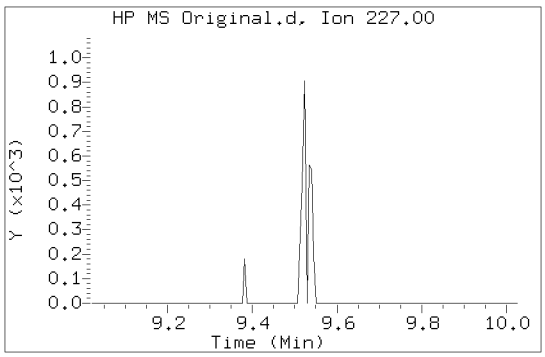
BEFORE
MASS
225
AREA
0
HEIGHT
0
25-Jun-2024
18:50



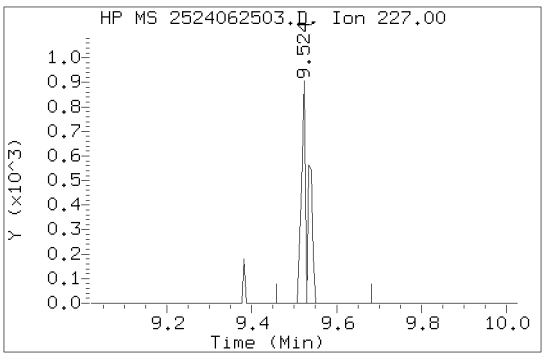
AFTER
MASS
225
AREA
1952
HEIGHT
1658
25-Jun-2024
19:32



BEFORE
MASS
227
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
227
AREA
972
HEIGHT
906
25-Jun-2024
19:32



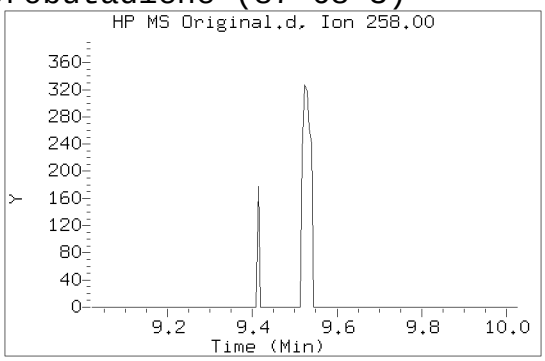
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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

Hexachlorobutadiene (87-68-3)

Reason Code: IH

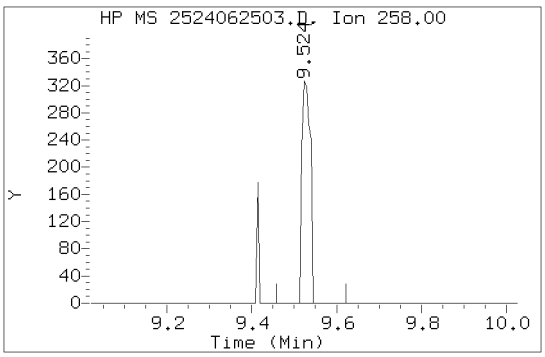
BEFORE

MASS
258
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER

MASS
258
AREA
450
HEIGHT
327
25-Jun-2024
19:32



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 11:03
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062504.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

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Inj Date : 25-JUN-2024 11:23
Operator : ILY Inst ID: ms25.i
Smp Info : 1234;;1;1;1;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\25-8260b09.m
Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	9759	1.00000	0.798759(a)	
2	Chloromethane	50	1.644	1.645	(0.394)	10647	1.00000	0.883614(a)	
3	Vinyl Chloride	62	1.704	1.705	(0.409)	11765	1.00000	0.851811(a)	
4	Bromomethane	94	1.922	1.923	(0.461)	8135	1.00000	0.801577(a)	
5	Chloroethane	64	2.004	2.005	(0.481)	12457	1.00000	1.03559	
6	Pentane	41	2.092	2.092	(0.502)	17356	1.00000	1.00059	
7	Trichlorofluoromethane	101	2.103	2.103	(0.504)	16496	1.00000	0.871950(a)	
8	Dichlorofluoromethane	67	2.124	2.125	(0.509)	14889	1.00000	0.850548(a)	
9	Ethyl Ether	74	2.277	2.278	(0.546)	4502	1.00000	0.845727(a)	
10	1,1-Dichloroethene	61	2.408	2.409	(0.577)	9580	1.00000	0.901873(a)	
11	Freon 113	101	2.424	2.425	(0.581)	6683	1.00000	0.894489(a)	
12	Carbon Disulfide	76	2.446	2.447	(0.587)	19710	1.00000	0.860158(a)	
13	Iodomethane	127	2.506	2.507	(0.601)	2132	1.00000	1.02386(Q)	
14	Acrolein	56	2.599	2.600	(0.623)	7284	5.00000	4.25125(Q)	
15	Isopropyl Alcohol	45	2.654	2.654	(0.636)	4784	5.00000	5.47317	
16	3-Chloro-1-propene	41	2.675	2.676	(0.642)	7346	1.00000	0.965171(a)	
17	Methylene Chloride	84	2.741	2.741	(0.657)	8206	1.00000	0.945742(a)	
18	Acetone	58	2.752	2.752	(0.660)	5095	5.00000	5.29999	
19	Methyl acetate	74	2.812	2.812	(0.674)	2657	1.00000	0.934498(a)	
20	trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	9408	1.00000	0.904277(a)	
21	Hexane	57	2.866	2.867	(0.687)	20884	1.00000	0.920374(a)	

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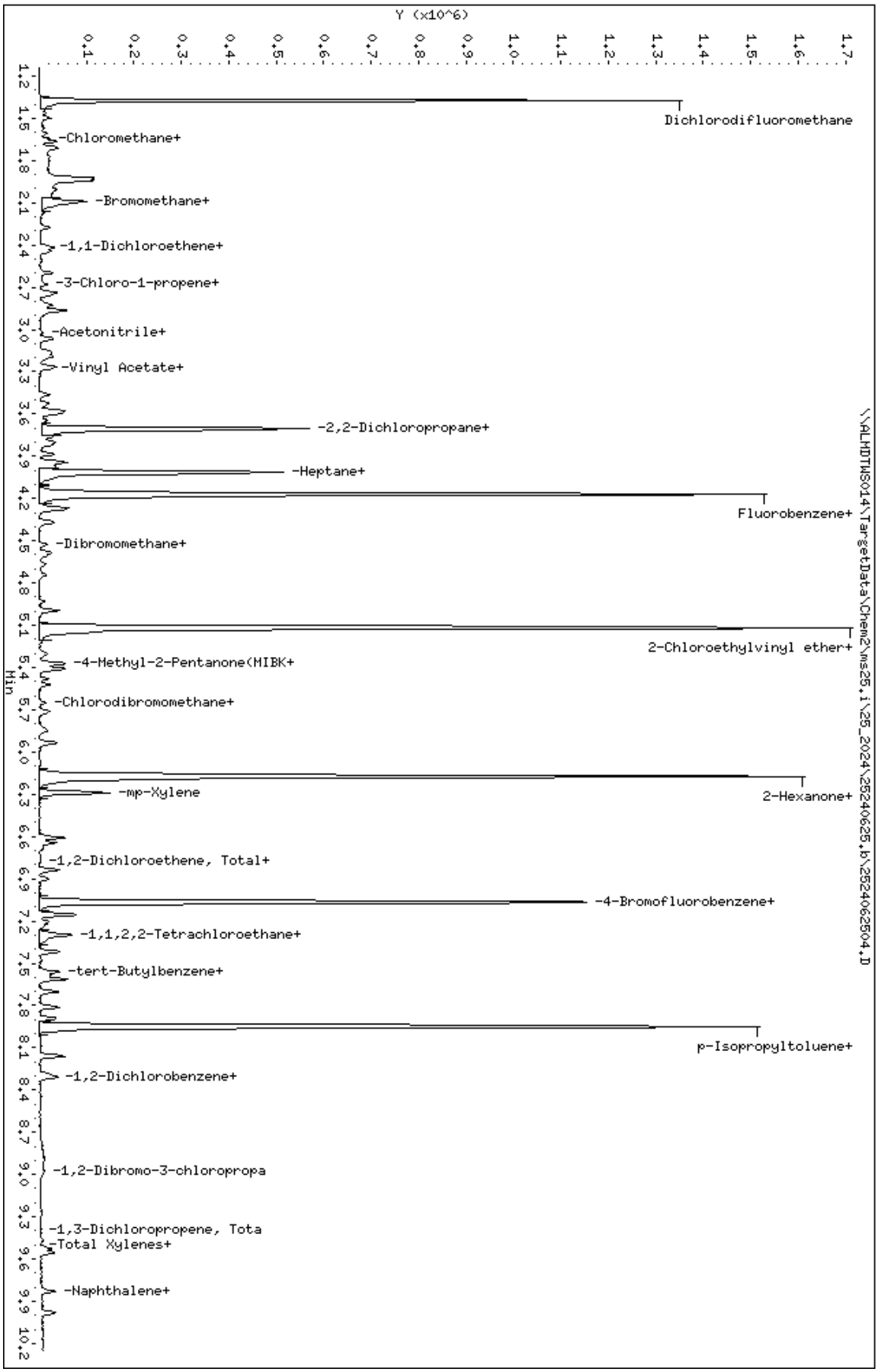
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	19555	1.00000	0.960311(aQ)	
	23 tert.- Butyl Alcohol	59	2.888	2.889	(0.693)	4416	5.00000	4.60155	
	24 Acetonitrile	41	3.019	3.020	(0.724)	4555	5.00000	4.23730(Q)	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	20480	1.00000	0.886965(a)	
	26 Chloroprene	53	3.156	3.156	(0.757)	9725	1.00000	0.830748(a)	
	27 1,1-Dichloroethane	63	3.167	3.167	(0.759)	12220	1.00000	0.862135(a)	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	15210	5.00000	4.12033(M)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	20293	1.00000	0.827489(a)	
	30 n-Propanol	41	3.259	3.260	(0.782)	4454	10.0000	9.79133(QM)	MP
	31 Vinyl Acetate	86	3.276	3.276	(0.785)	1240	1.00000	0.891049(aQ)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	9228	1.00000	0.874773(a)	
	33 2,2-Dichloropropane	77	3.521	3.522	(0.844)	9944	1.00000	0.880243(a)	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	3622	1.00000	0.796188(a)	
	35 Cyclohexane	84	3.587	3.587	(0.860)	11261	1.00000	0.889664(a)	
	36 Chloroform	83	3.598	3.598	(0.863)	12667	1.00000	0.827831(a)	
	37 Ethyl Acetate	43	3.641	3.642	(0.873)	8670	1.00000	0.860873(a)	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	7047	1.00000	0.829585(aQ)	
	39 Carbon Tetrachloride	117	3.696	3.696	(0.886)	6249	1.00000	0.966574(aM)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	257474	30.0000	29.5526	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	11632	5.00000	4.47919	
	42 1,1,1-Trichloroethane	97	3.739	3.740	(0.897)	10242	1.00000	0.859956(a)	
	43 2-Butanone	72	3.767	3.767	(0.903)	5763	5.00000	4.59056	
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	9289	1.00000	0.824536(a)	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	6138	1.00000	0.847236(a)	
	46 Heptane	71	3.887	3.887	(0.932)	5903	1.00000	0.901887(aQ)	
	47 Benzene	78	3.941	3.942	(0.945)	31790	1.00000	0.918073(a)	
	48 Propionitrile	54	3.941	3.942	(0.945)	6433	5.00000	4.60203(Q)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	3144	1.00000	0.750289(aQM)	H
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	20603	1.00000	0.870331(a)	
	54 Isobutyl alcohol	42	3.980	3.980	(0.954)	1830	10.0000	12.5329(QM)	MP
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	278313	30.0000	30.3035	
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	10009	1.00000	0.919501(aQ)	
	53 tert-Amyl Alcohol	59	4.061	4.062	(0.974)	3778	5.00000	5.13106	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1104188	30.0000		
	56 Diisobutylene	57	4.170	4.171	(1.000)	50206	1.00000	0.910347(aQ)	
	57 Trichloroethene	95	4.269	4.269	(1.024)	7711	1.00000	0.879887(a)	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	12703	1.00000	0.929667(a)	
	59 tert-Amyl Ethylether	59	4.372	4.373	(1.048)	14413	1.00000	0.956612(a)	
	60 Dibromomethane	93	4.525	4.526	(1.085)	4615	1.00000	0.833015(a)	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	7377	1.00000	0.885179(a)	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	7191	1.00000	0.946015(a)	
	63 Methyl methacrylate	41	4.662	4.662	(1.118)	5964	1.00000	0.904227(aM)	IH
	64 1,4-Dioxane	88	4.722	4.722	(1.132)	2745	25.0000	21.2773(Q)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	3719	1.00000	0.975581(a)	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	10566	1.00000	1.01868	
	67 Octane	85	5.000	5.000	(0.810)	4330	1.00000	0.835760(a)	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1006001	30.0000	30.1635	
	69 Toluene	92	5.153	5.153	(0.835)	19855	1.00000	0.939263(a)	
	70 Chloroacetonitrile	75	5.207	5.208	(0.844)	2128	5.00000	4.03819(M)	H
	71 2-Nitropropane	41	5.300	5.300	(0.859)	7049	5.00000	4.88782(Q)	
	72 1,1-Dichloro-2-Propanone	63	5.316	5.317	(0.861)	649	5.00000	4.81139(QM)	H
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	29113	5.00000	4.48308	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	8929	1.00000	0.969277(a)	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	6888	1.00000	0.894846(a)	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
76	Ethyl Methacrylate	69	5.480	5.481	(0.888)	8256	1.00000	0.959694(aM)	H
77	1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	6199	1.00000	0.954452(a)	
78	Chlorodibromomethane	129	5.649	5.650	(0.915)	5551	1.00000	0.966990(a)	
79	1,3-Dichloropropane	76	5.709	5.710	(0.925)	11310	1.00000	0.881368(a)	
80	1,2-Dibromoethane	107	5.829	5.830	(0.944)	6550	1.00000	0.988273(a)	
81	2-Hexanone	43	5.933	5.933	(0.961)	21128	5.00000	4.78219	
82	1-Chlorohexane	91	6.146	6.146	(0.996)	8250	1.00000	0.741857(aQM)	I
* 83	Chlorobenzene-d5	82	6.173	6.174	(1.000)	421251	30.0000		
84	Chlorobenzene	112	6.184	6.184	(1.002)	18599	1.00000	0.863383(a)	
85	Ethylbenzene	106	6.189	6.190	(1.003)	13774	1.00000	0.962259(aQ)	
86	1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	4988	1.00000	0.927321(aQ)	
87	mp-Xylene	106	6.288	6.288	(1.019)	36347	2.00000	1.65723	
88	o-Xylene	106	6.610	6.610	(1.071)	13278	1.00000	0.926224(a)	
89	Styrene	104	6.648	6.648	(0.836)	15866	1.00000	1.00647(M)	MP
90	Bromoform	173	6.686	6.686	(0.841)	3823	1.00000	0.967694(a)	
91	Isopropylbenzene	105	6.839	6.839	(0.860)	26101	1.00000	0.981453(a)	
M 100	1,2-Dichloroethene, Total	61				18636	2.00000	1.77905	
$ 92	4-Bromofluorobenzene	174	7.068	7.068	(0.889)	306032	30.0000	29.5640	
93	Bromobenzene	156	7.155	7.156	(0.900)	7998	1.00000	0.904064(a)	
94	n-Propylbenzene	120	7.155	7.156	(0.900)	7505	1.00000	0.829613(aQ)	
95	1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	7231	1.00000	0.822362(a)	
96	o-Chlorotoluene	91	7.292	7.292	(0.917)	21107	1.00000	0.886814(a)	
97	1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	22064	1.00000	0.876358(a)	
98	1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	2707	1.00000	0.954519(a)	
99	trans-1,4-Dichloro-2-butene	53	7.341	7.341	(0.923)	1628	1.00000	0.890063(aM)	H
101	p-Chlorotoluene	91	7.417	7.418	(0.933)	18321	1.00000	0.849824(a)	
102	tert-Butylbenzene	134	7.559	7.559	(0.951)	4719	1.00000	0.783690(aQ)	
103	Pentachloroethane	117	7.581	7.581	(0.953)	4178	1.00000	0.978968(aM)	MP
104	1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	27718	1.00000	0.890516(a)	
105	sec-Butylbenzene	105	7.706	7.707	(0.969)	25418	1.00000	0.816857(a)	
106	p-Isopropyltoluene	134	7.815	7.816	(0.983)	5960	1.00000	0.836400(a)	
107	1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	13700	1.00000	0.919202(a)	
* 108	1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	374177	30.0000	(Q)	
109	1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	13912	1.00000	0.895502(aQM)	I
110	Benzyl Chloride	126	8.159	8.160	(1.026)	2620	1.00000	1.16660(Q)	
111	n-Butylbenzene	134	8.159	8.160	(1.026)	5626	1.00000	0.844859(aQ)	
112	Hexachloroethane	117	8.285	8.285	(1.042)	3087	1.00000	0.962691(aQM)	IH
113	1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	12858	1.00000	0.905673(a)	
114	1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	1191	1.00000	1.11644(Q)	
115	Nitrobenzene	77	9.463	9.464	(1.190)	3058	10.0000	6.30658	
116	Hexachlorobutadiene	225	9.523	9.524	(1.198)	2971	1.00000	0.880953(a)	
M 120	1,3-Dichloropropene, Total	75				19495	2.00000	1.98796	
117	1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	7990	1.00000	0.849831(a)	
M 121	Total Xylenes	106				49625	3.00000	2.58346	
118	Naphthalene	128	9.829	9.829	(1.236)	18088	1.00000	0.970581(a)	
119	1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	7150	1.00000	0.964947(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



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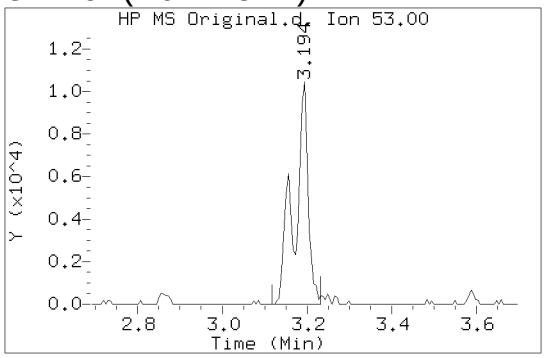
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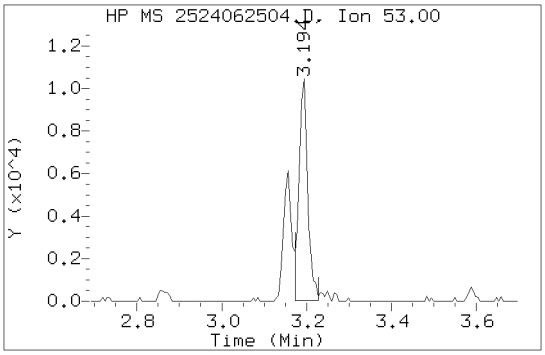
Acrylonitrile (107-13-1)

Reason Code: MP

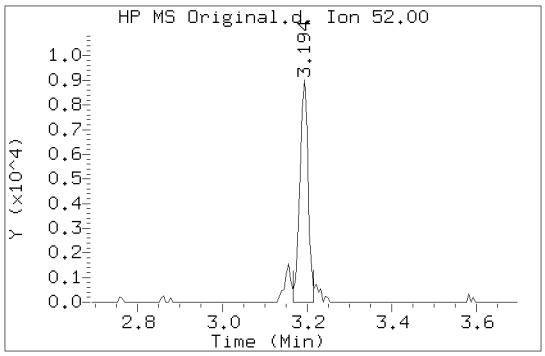
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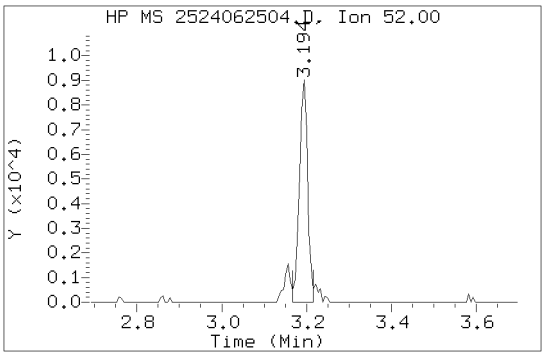
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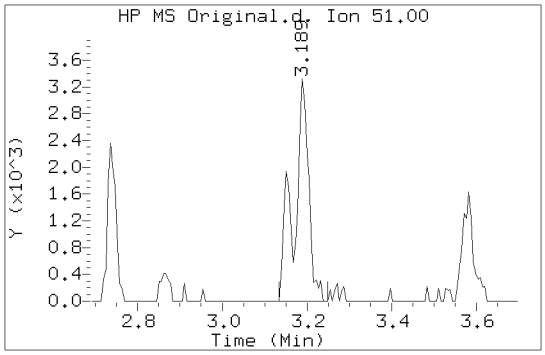
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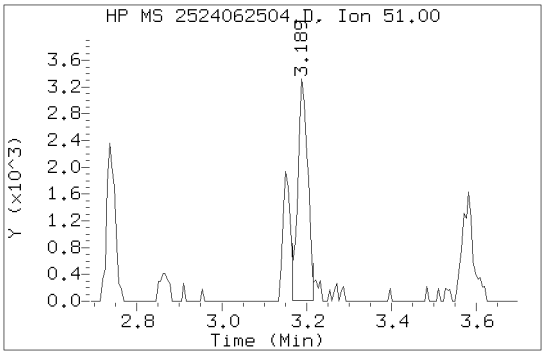
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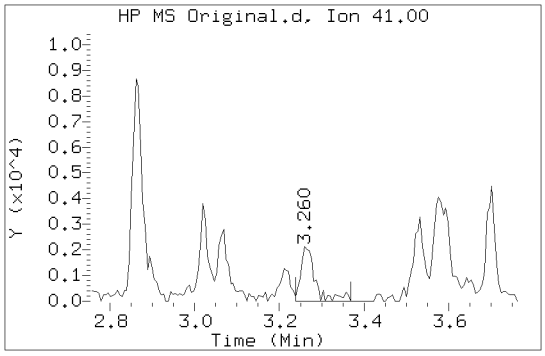
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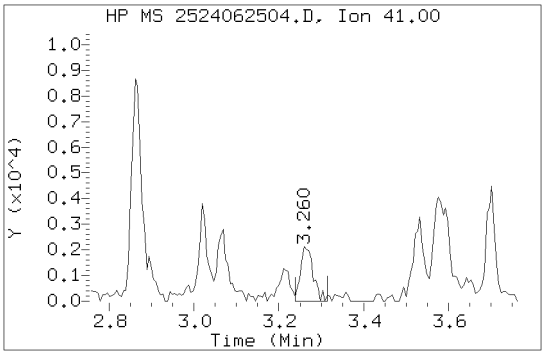
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Reason Code: MP

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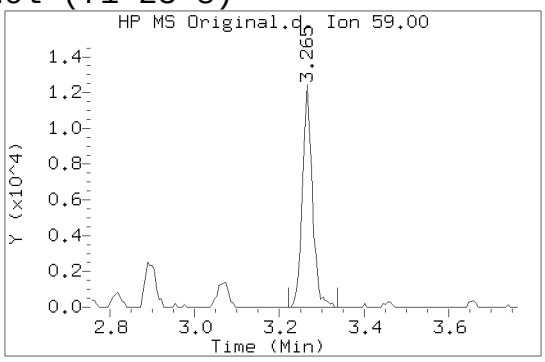


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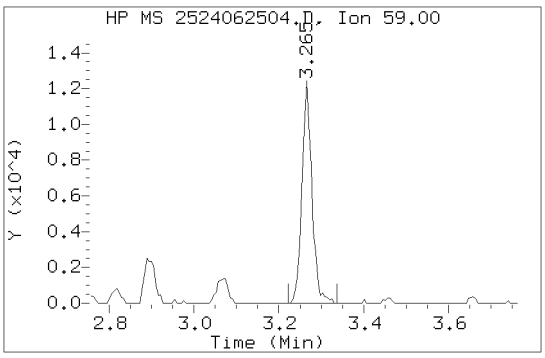
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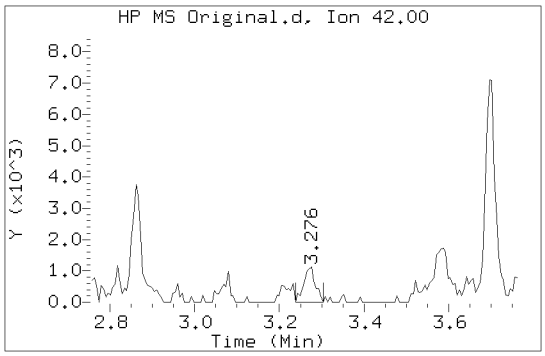
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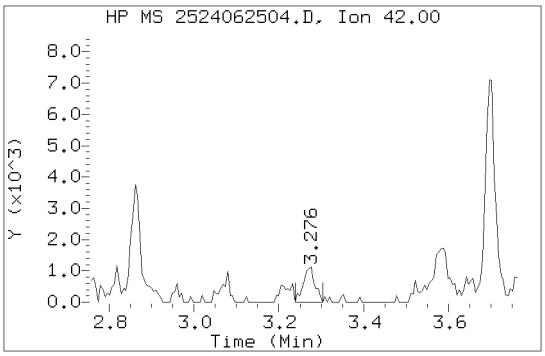
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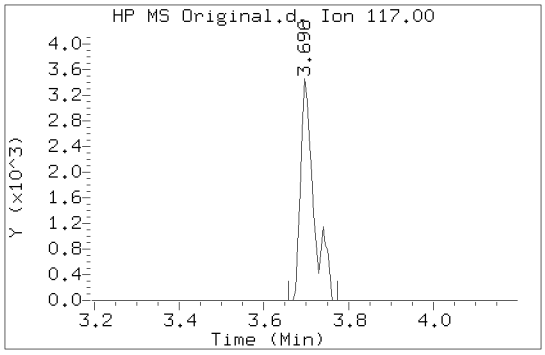
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1121
25-Jun-2024
19:31



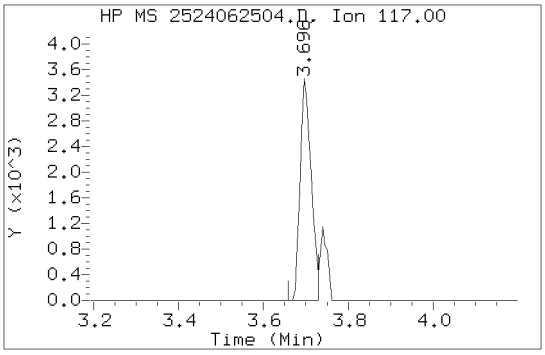
Carbon Tetrachloride (56-23-5)

Reason Code: MP

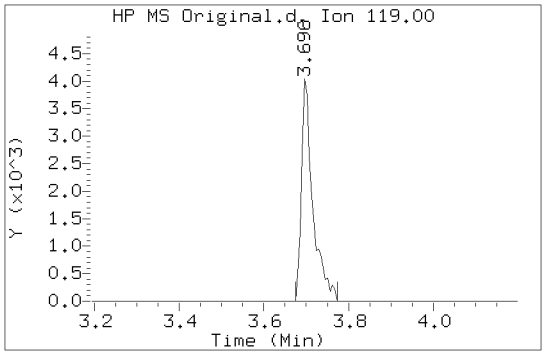
BEFORE
MASS
117
AREA
7523
HEIGHT
3456
25-Jun-2024
18:43



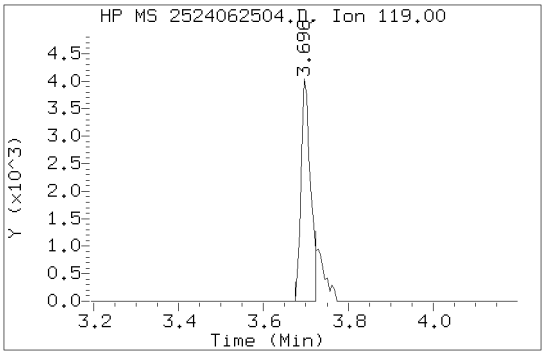
AFTER
MASS
117
AREA
6249
HEIGHT
3456
25-Jun-2024
19:31



BEFORE
MASS
119
AREA
7554
HEIGHT
4041
25-Jun-2024
18:43



AFTER
MASS
119
AREA
6277
HEIGHT
4041
25-Jun-2024
19:31

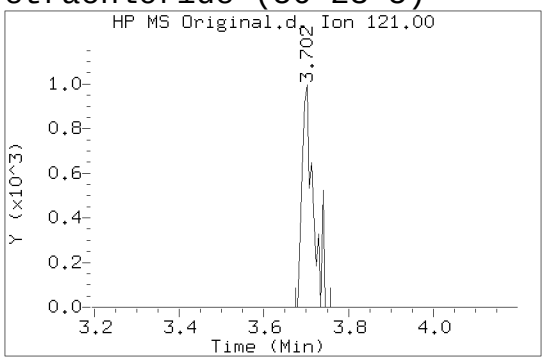


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Inj Date : 25-JUN-2024 11:23
InstruID : ms25.i
LabSampID : 1234

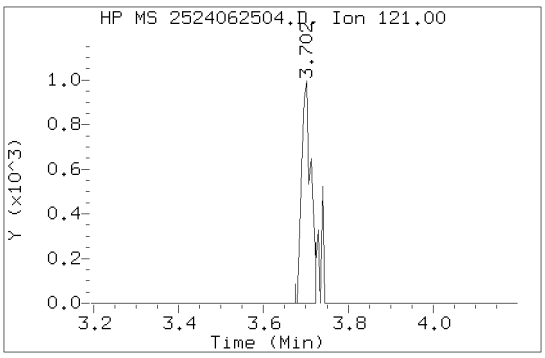
Carbon Tetrachloride (56-23-5)

Reason Code: MP

BEFORE
MASS
121
AREA
1802
HEIGHT
996
25-Jun-2024
18:43



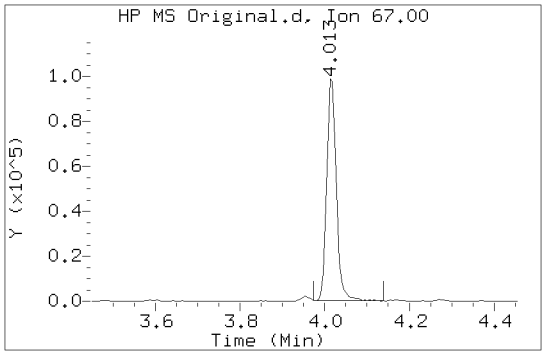
AFTER
MASS
121
AREA
1523
HEIGHT
996
25-Jun-2024
19:31



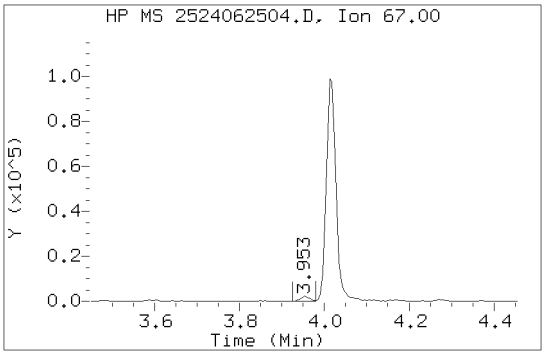
Methacrylonitrile (126-98-7)

Reason Code: H

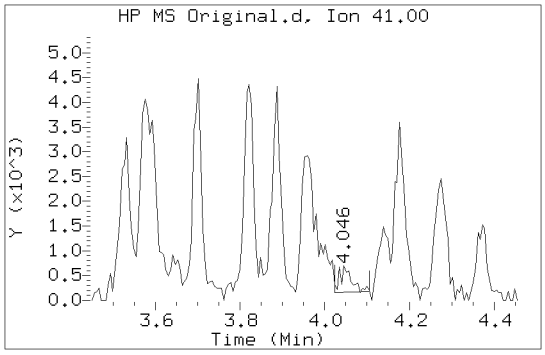
BEFORE
MASS
67
AREA
153991
HEIGHT
98720
25-Jun-2024
18:43



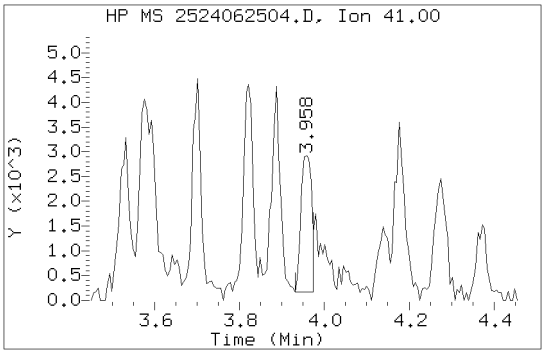
AFTER
MASS
67
AREA
3144
HEIGHT
2212
25-Jun-2024
19:31



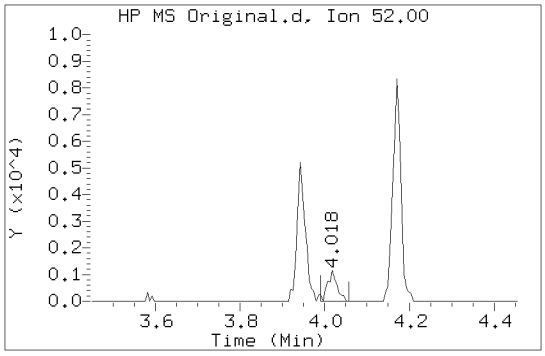
BEFORE
MASS
41
AREA
1015
HEIGHT
529
25-Jun-2024
18:43



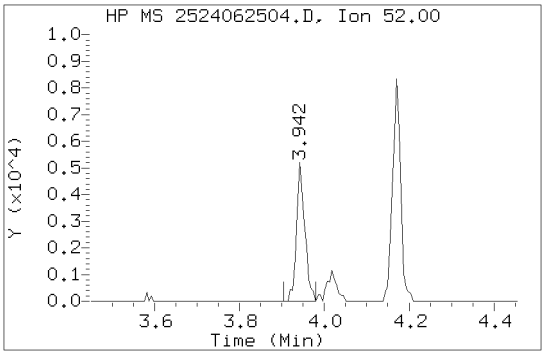
AFTER
MASS
41
AREA
4932
HEIGHT
2756
25-Jun-2024
19:31



BEFORE
MASS
52
AREA
1766
HEIGHT
1148
25-Jun-2024
18:43



AFTER
MASS
52
AREA
7144
HEIGHT
5200
25-Jun-2024
19:31

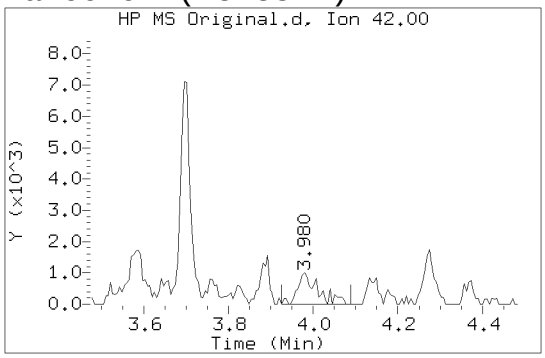


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Inj Date : 25-JUN-2024 11:23
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LabSampID : 1234

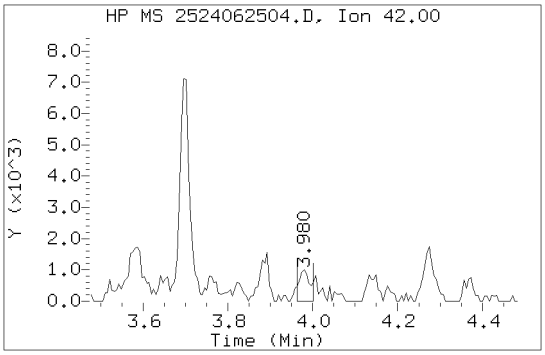
Isobutyl alcohol (78-83-1)

Reason Code: MP

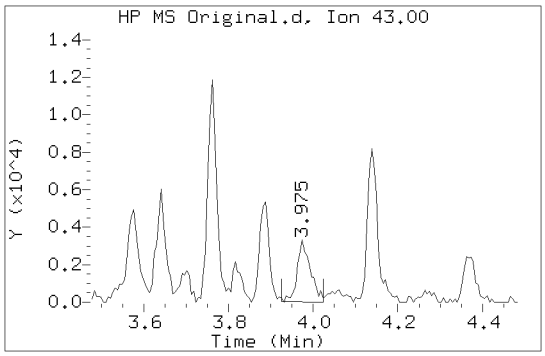
BEFORE
MASS
42
AREA
3324
HEIGHT
1001
25-Jun-2024
18:43



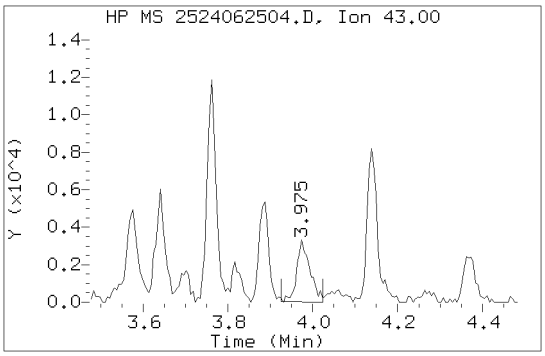
AFTER
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42
AREA
1830
HEIGHT
1001
25-Jun-2024
19:31



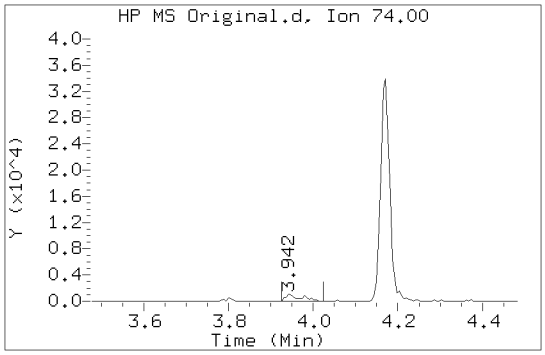
BEFORE
MASS
43
AREA
7196
HEIGHT
3319
25-Jun-2024
18:43



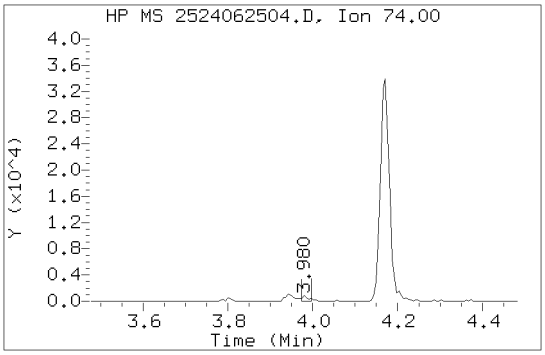
AFTER
MASS
43
AREA
7196
HEIGHT
3319
25-Jun-2024
19:31



BEFORE
MASS
74
AREA
2579
HEIGHT
1075
25-Jun-2024
18:43



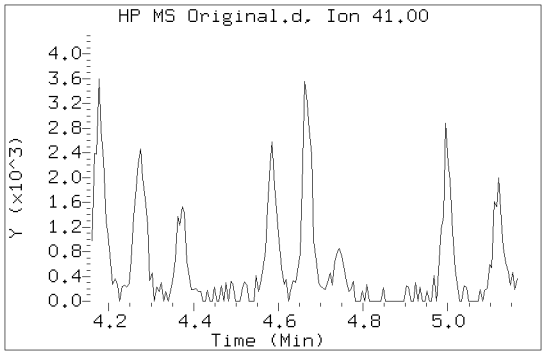
AFTER
MASS
74
AREA
806
HEIGHT
853
25-Jun-2024
19:31



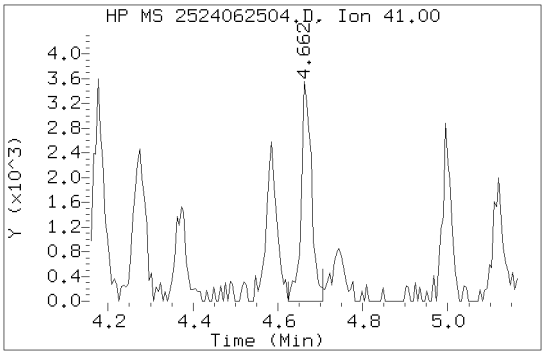
Methyl methacrylate (80-62-6)

Reason Code: IH

BEFORE
MASS
41
AREA
0
HEIGHT
0
25-Jun-2024
18:43



AFTER
MASS
41
AREA
5964
HEIGHT
3556
25-Jun-2024
19:31

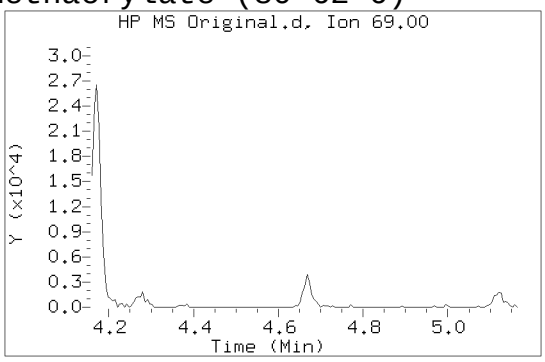


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InstruID : ms25.i
LabSampID : 1234

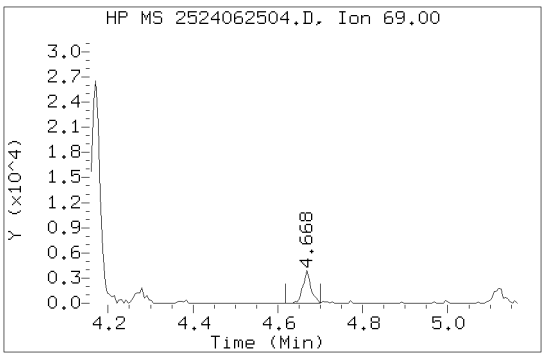
Methyl methacrylate (80-62-6)

Reason Code: IH

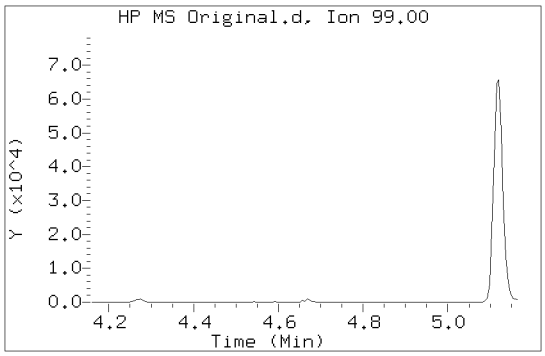
BEFORE
MASS
69
AREA
0
HEIGHT
0
25-Jun-2024
18:43



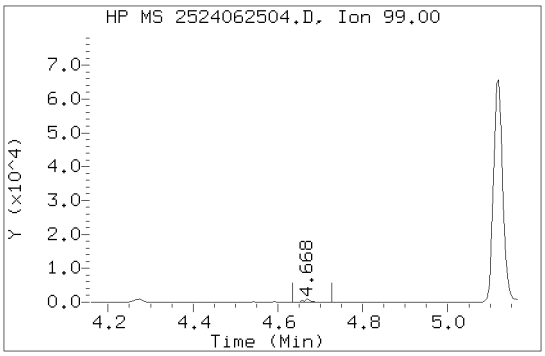
AFTER
MASS
69
AREA
5139
HEIGHT
3943
25-Jun-2024
19:31



BEFORE
MASS
99
AREA
0
HEIGHT
0
25-Jun-2024
18:43



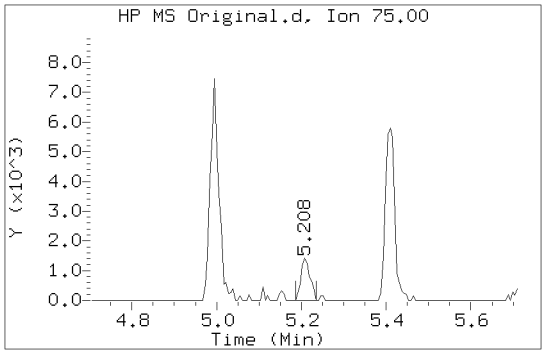
AFTER
MASS
99
AREA
946
HEIGHT
944
25-Jun-2024
19:31



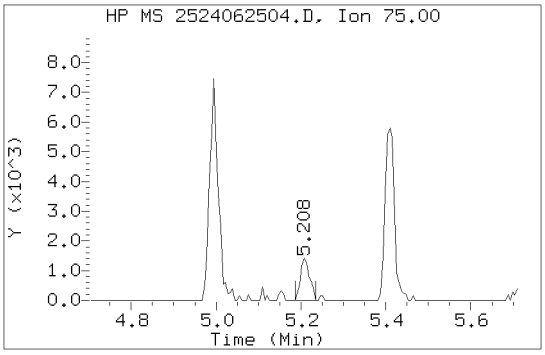
Chloroacetonitrile (107-14-2)

Reason Code: H

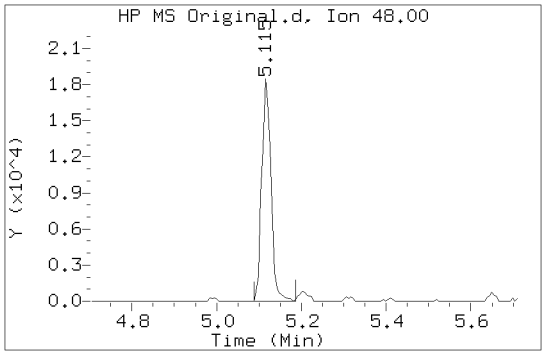
BEFORE
MASS
75
AREA
2128
HEIGHT
1432
25-Jun-2024
18:43



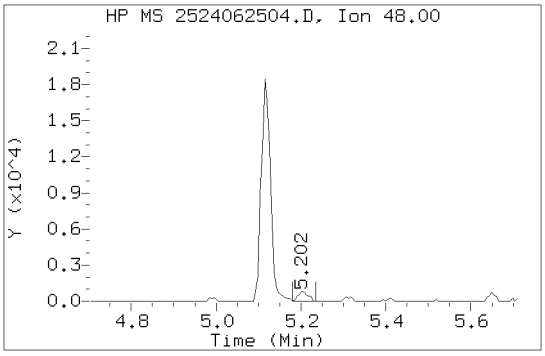
AFTER
MASS
75
AREA
2128
HEIGHT
1432
25-Jun-2024
19:31



BEFORE
MASS
48
AREA
28259
HEIGHT
18480
25-Jun-2024
18:43



AFTER
MASS
48
AREA
1300
HEIGHT
809
25-Jun-2024
19:31

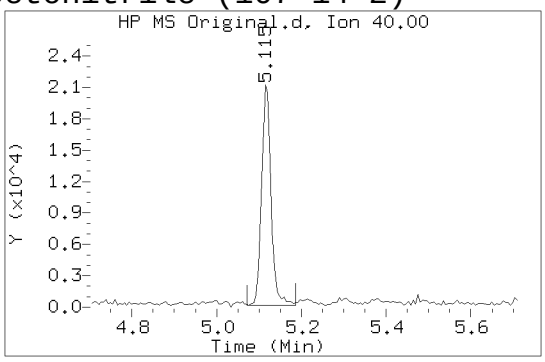


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LabSampID : 1234

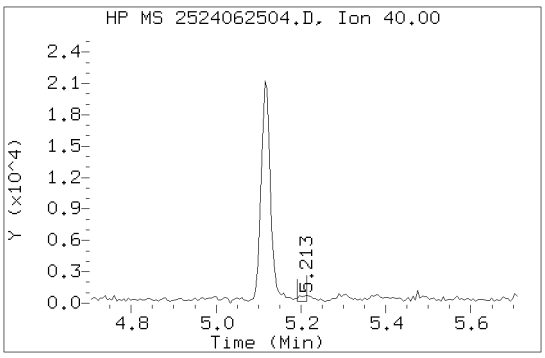
Chloroacetonitrile (107-14-2)

Reason Code: H

BEFORE
MASS
40
AREA
32691
HEIGHT
21036
25-Jun-2024
18:43



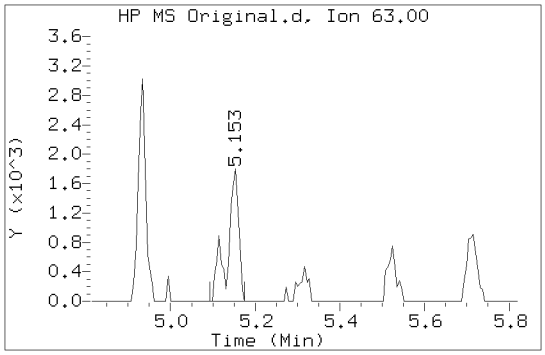
AFTER
MASS
40
AREA
731
HEIGHT
590
25-Jun-2024
19:31



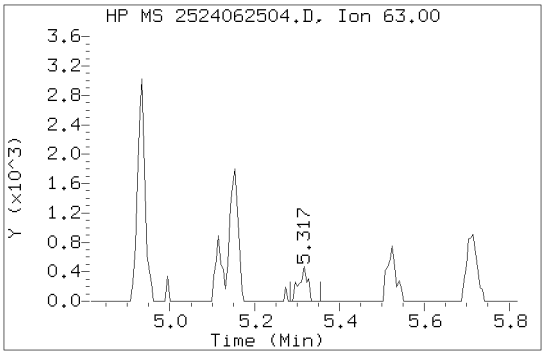
1,1-Dichloro-2-Propanone (513-88-2)

Reason Code: H

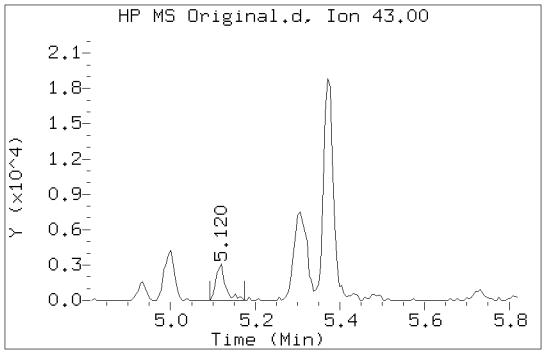
BEFORE
MASS
63
AREA
3388
HEIGHT
1803
25-Jun-2024
18:43



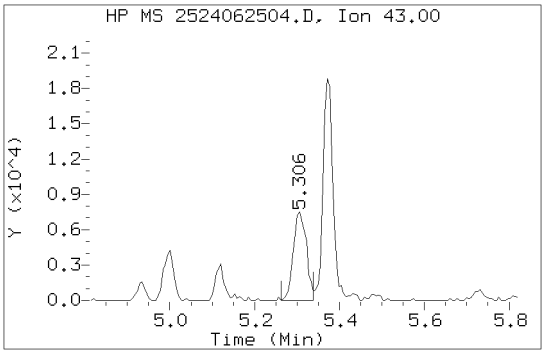
AFTER
MASS
63
AREA
649
HEIGHT
468
25-Jun-2024
19:31



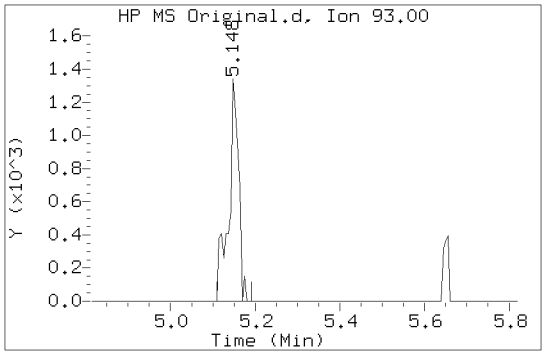
BEFORE
MASS
43
AREA
4716
HEIGHT
3124
25-Jun-2024
18:43



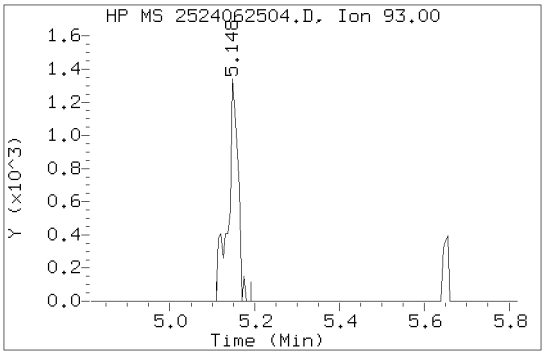
AFTER
MASS
43
AREA
16221
HEIGHT
7506
25-Jun-2024
19:31



BEFORE
MASS
93
AREA
2189
HEIGHT
1341
25-Jun-2024
18:43



AFTER
MASS
93
AREA
2189
HEIGHT
1341
25-Jun-2024
19:31

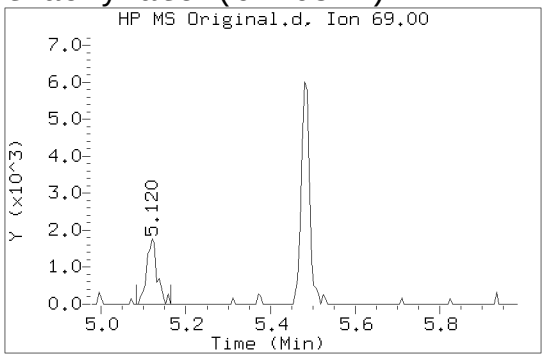


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LabSampID : 1234

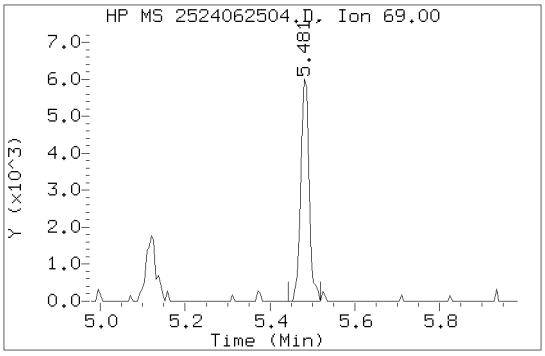
Ethyl Methacrylate (97-63-2)

Reason Code: H

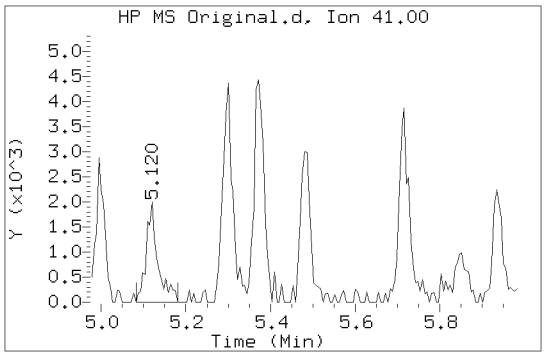
BEFORE
MASS
69
AREA
3115
HEIGHT
1778
25-Jun-2024
18:43



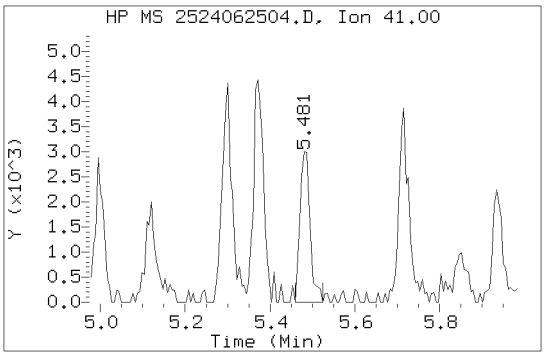
AFTER
MASS
69
AREA
8256
HEIGHT
6009
25-Jun-2024
19:31



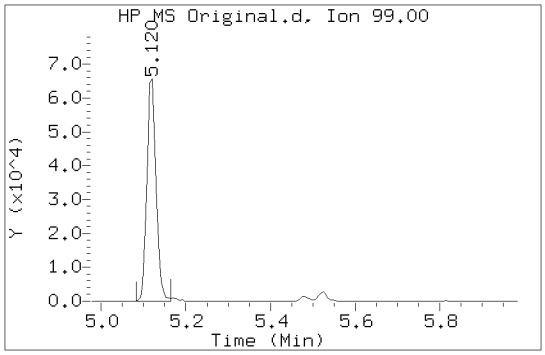
BEFORE
MASS
41
AREA
3826
HEIGHT
1996
25-Jun-2024
18:43



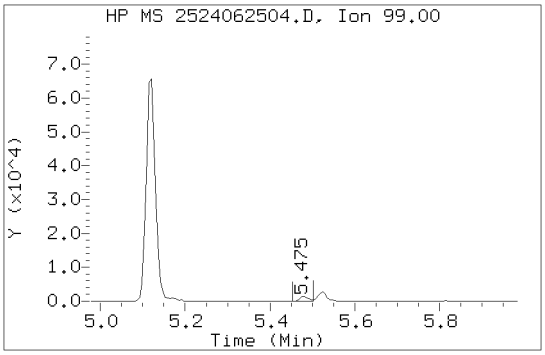
AFTER
MASS
41
AREA
4976
HEIGHT
2995
25-Jun-2024
19:31



BEFORE
MASS
99
AREA
99831
HEIGHT
65624
25-Jun-2024
18:43



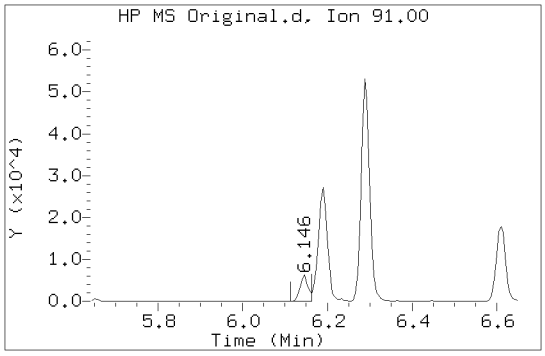
AFTER
MASS
99
AREA
1932
HEIGHT
1372
25-Jun-2024
19:31



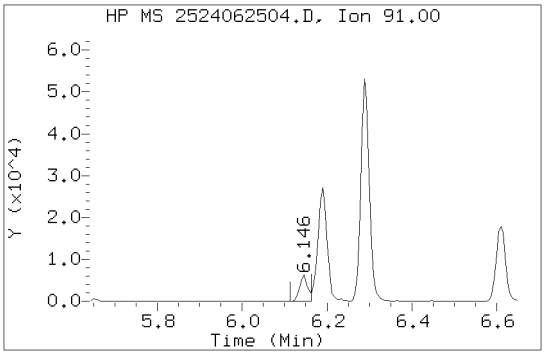
1-Chlorohexane (544-10-5)

Reason Code: I

BEFORE
MASS
91
AREA
8250
HEIGHT
6277
25-Jun-2024
18:43



AFTER
MASS
91
AREA
8250
HEIGHT
6277
25-Jun-2024
19:31

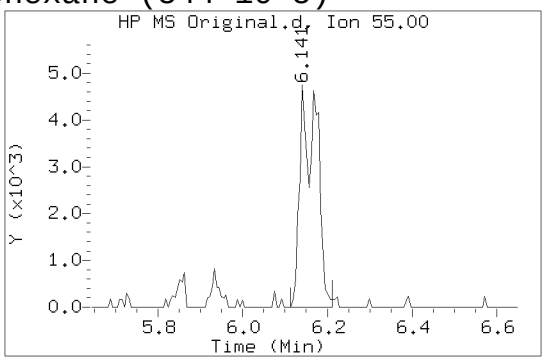


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InstruID : ms25.i
LabSampID : 1234

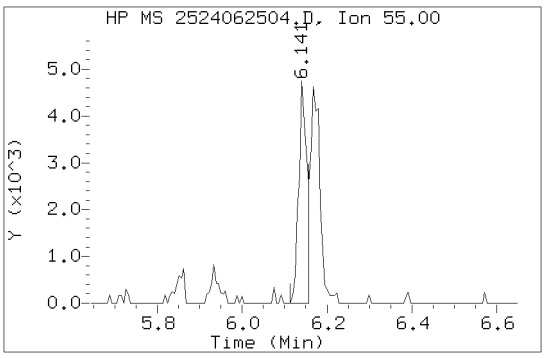
1-Chlorohexane (544-10-5)

Reason Code: I

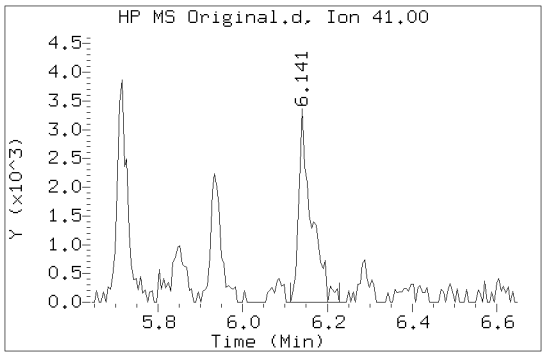
BEFORE
MASS
55
AREA
13140
HEIGHT
4749
25-Jun-2024
18:43



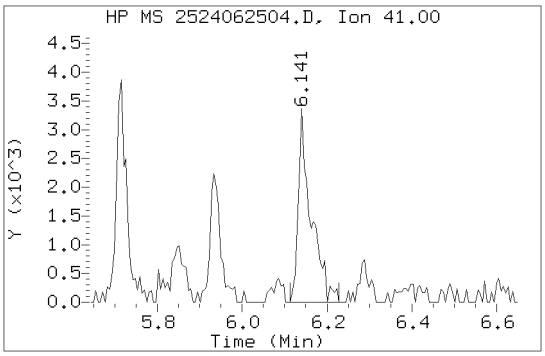
AFTER
MASS
55
AREA
6444
HEIGHT
4749
25-Jun-2024
19:31



BEFORE
MASS
41
AREA
7063
HEIGHT
3367
25-Jun-2024
18:43



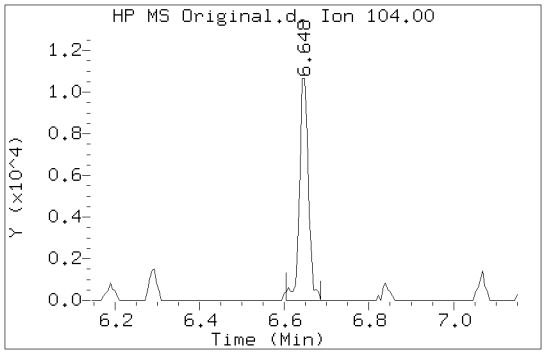
AFTER
MASS
41
AREA
7063
HEIGHT
3367
25-Jun-2024
19:31



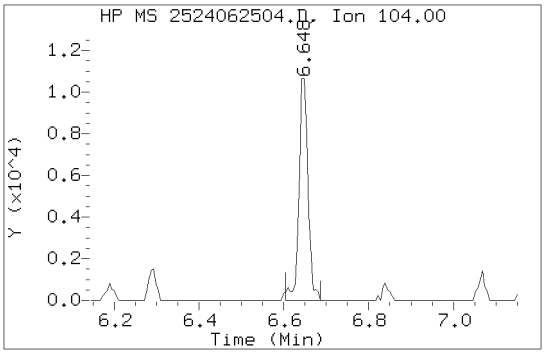
Styrene (100-42-5)

Reason Code: MP

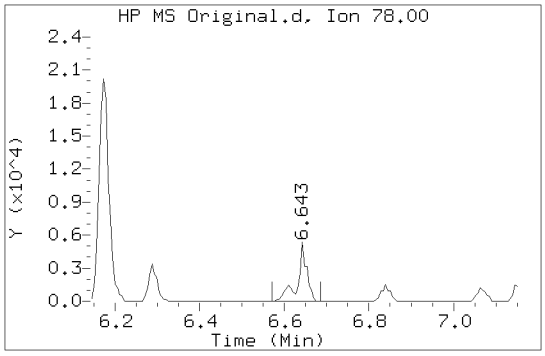
BEFORE
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104
AREA
15866
HEIGHT
10647
25-Jun-2024
18:43



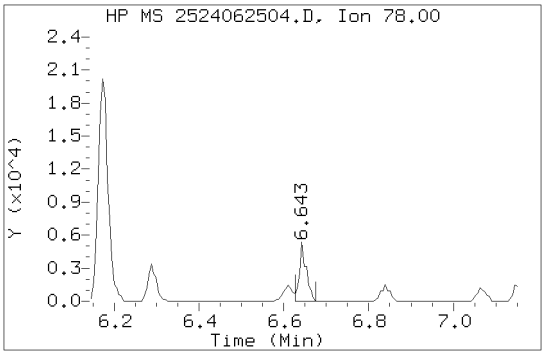
AFTER
MASS
104
AREA
15866
HEIGHT
10647
25-Jun-2024
19:31



BEFORE
MASS
78
AREA
8207
HEIGHT
5355
25-Jun-2024
18:43



AFTER
MASS
78
AREA
6144
HEIGHT
5355
25-Jun-2024
19:31

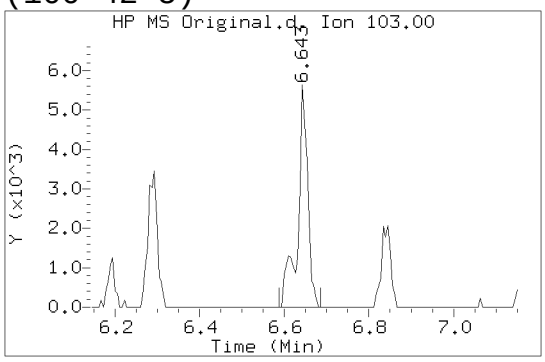


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LabSampID : 1234

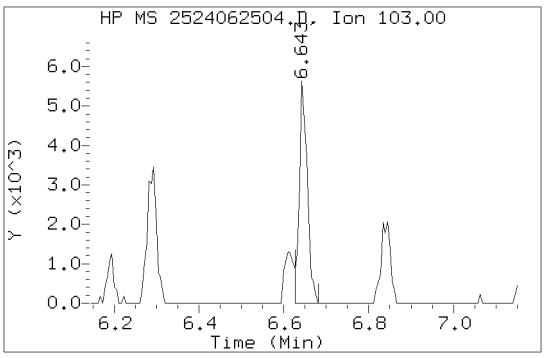
Styrene (100-42-5)

Reason Code: MP

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103
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9253
HEIGHT
5637
25-Jun-2024
18:43



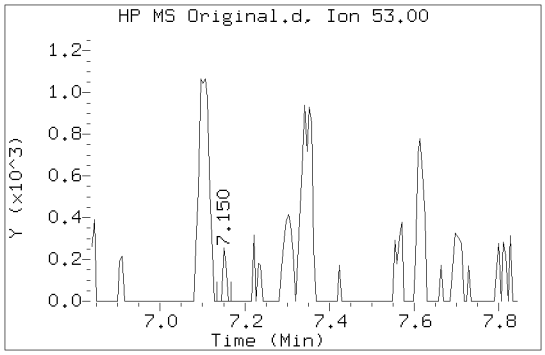
AFTER
MASS
103
AREA
7459
HEIGHT
5637
25-Jun-2024
19:31



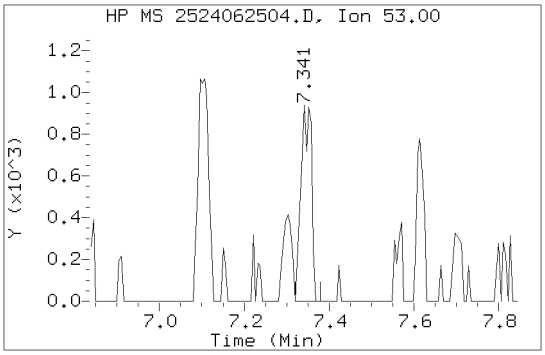
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: H

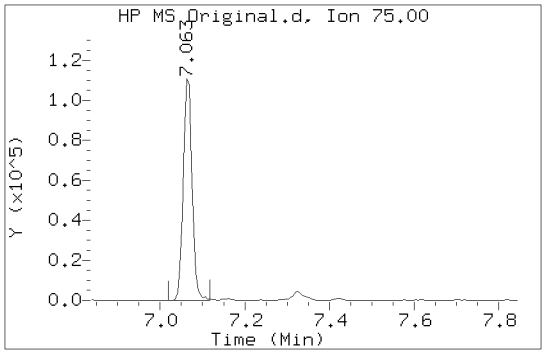
BEFORE
MASS
53
AREA
143
HEIGHT
257
25-Jun-2024
18:43



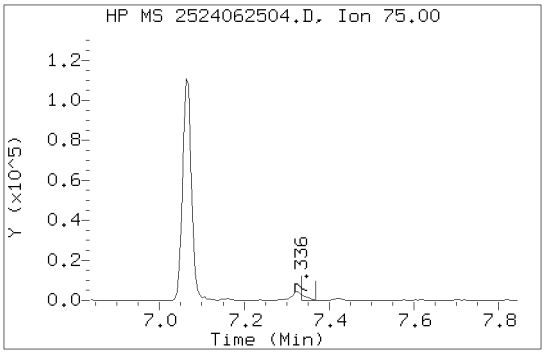
AFTER
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53
AREA
1628
HEIGHT
940
25-Jun-2024
19:31



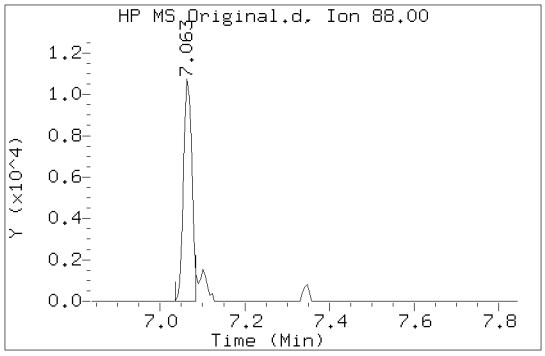
BEFORE
MASS
75
AREA
161091
HEIGHT
110816
25-Jun-2024
18:43



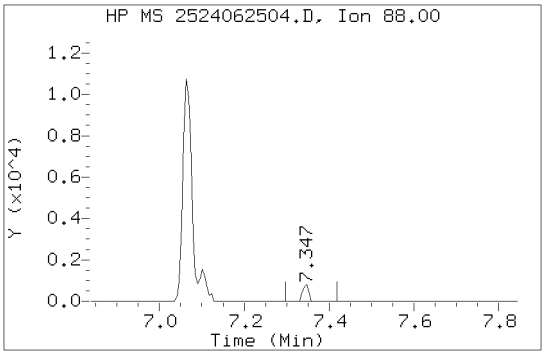
AFTER
MASS
75
AREA
2718
HEIGHT
2575
25-Jun-2024
19:31



BEFORE
MASS
88
AREA
14925
HEIGHT
10745
25-Jun-2024
18:43



AFTER
MASS
88
AREA
769
HEIGHT
794
25-Jun-2024
19:31

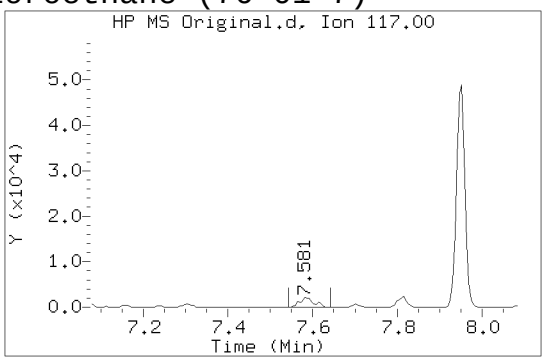


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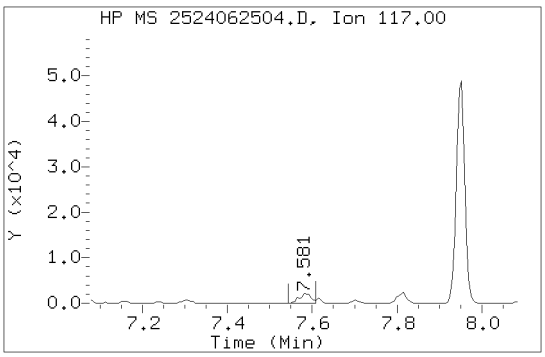
Pentachloroethane (76-01-7)

Reason Code: MP

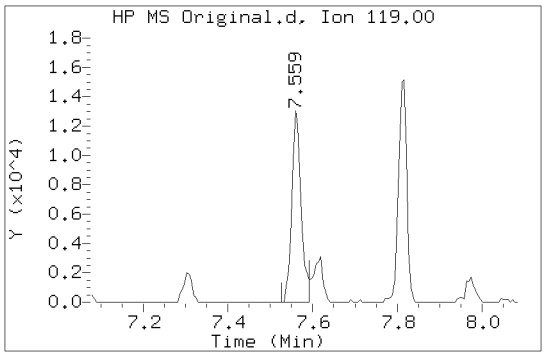
BEFORE
MASS
117
AREA
4937
HEIGHT
2162
25-Jun-2024
18:43



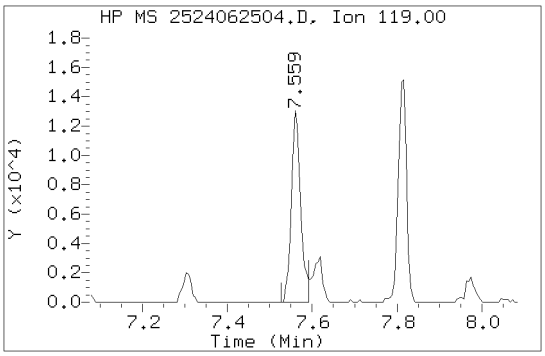
AFTER
MASS
117
AREA
4178
HEIGHT
2162
25-Jun-2024
19:31



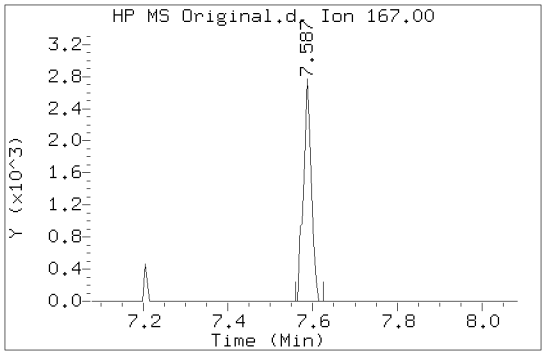
BEFORE
MASS
119
AREA
20109
HEIGHT
13053
25-Jun-2024
18:43



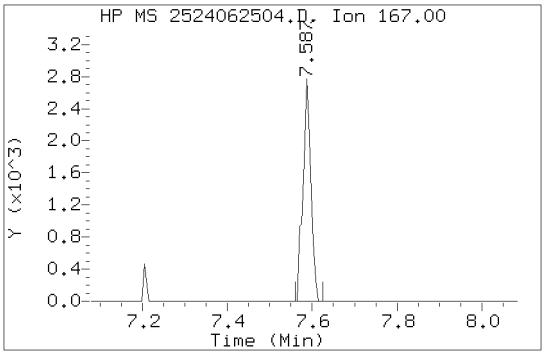
AFTER
MASS
119
AREA
20109
HEIGHT
13053
25-Jun-2024
19:31



BEFORE
MASS
167
AREA
3610
HEIGHT
2772
25-Jun-2024
18:43



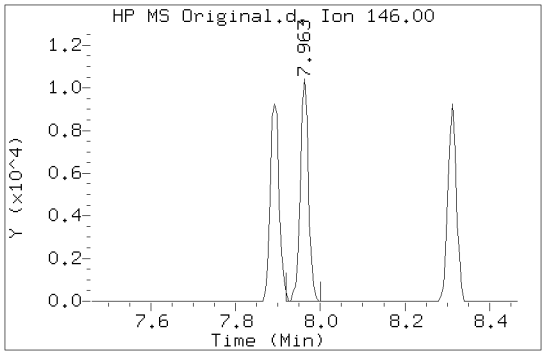
AFTER
MASS
167
AREA
3610
HEIGHT
2772
25-Jun-2024
19:31



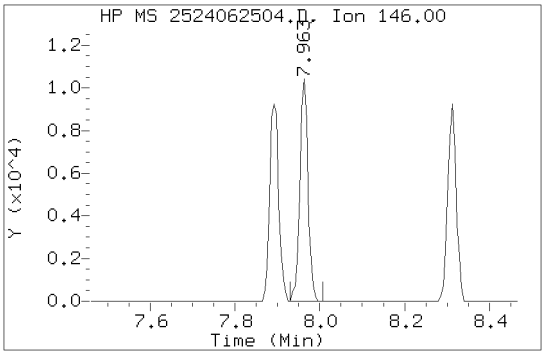
1,4-Dichlorobenzene (106-46-7)

Reason Code: I

BEFORE
MASS
146
AREA
14053
HEIGHT
10421
25-Jun-2024
18:43



AFTER
MASS
146
AREA
13912
HEIGHT
10421
25-Jun-2024
19:31

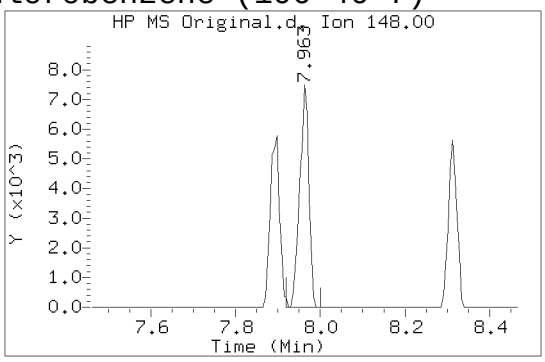


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LabSampID : 1234

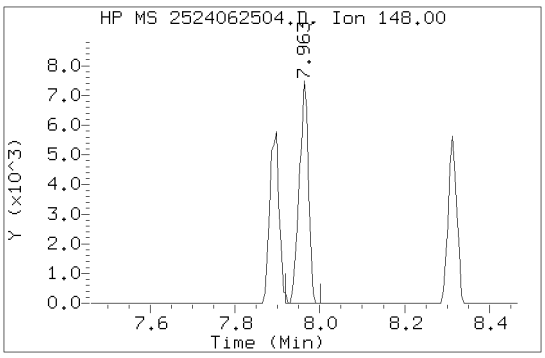
1,4-Dichlorobenzene (106-46-7)

Reason Code: I

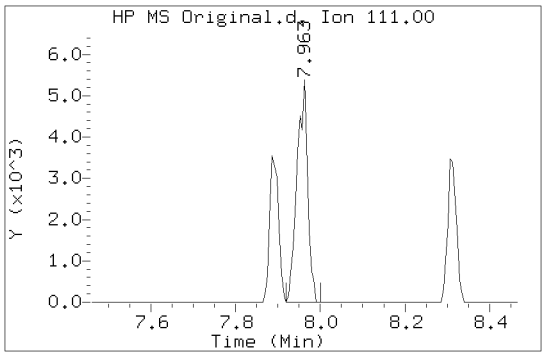
BEFORE
MASS
148
AREA
11321
HEIGHT
7492
25-Jun-2024
18:43



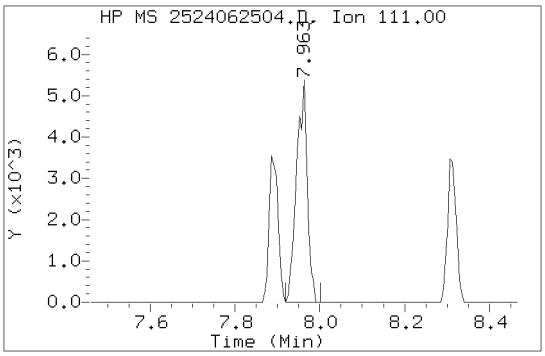
AFTER
MASS
148
AREA
11321
HEIGHT
7492
25-Jun-2024
19:31



BEFORE
MASS
111
AREA
9430
HEIGHT
5383
25-Jun-2024
18:43



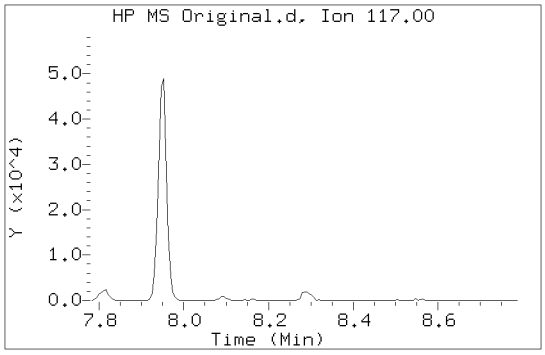
AFTER
MASS
111
AREA
9430
HEIGHT
5383
25-Jun-2024
19:31



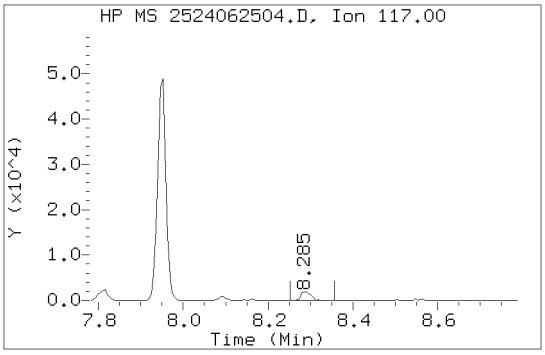
Hexachloroethane (67-72-1)

Reason Code: IH

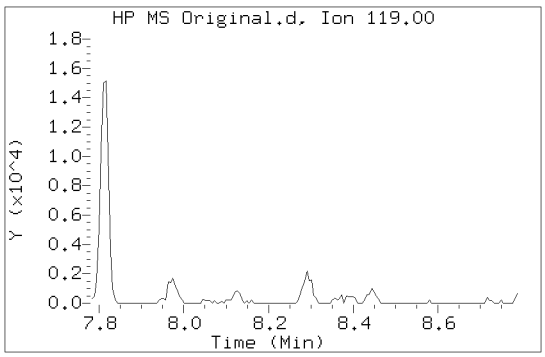
BEFORE
MASS
117
AREA
0
HEIGHT
0
25-Jun-2024
18:43



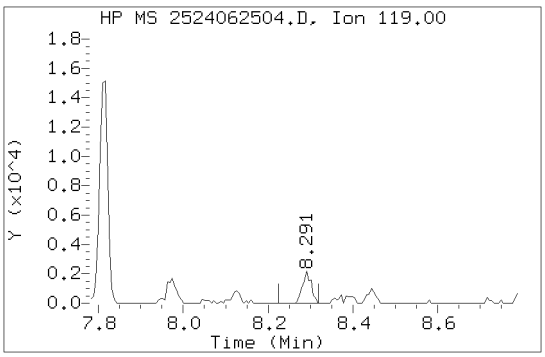
AFTER
MASS
117
AREA
3087
HEIGHT
1807
25-Jun-2024
19:31



BEFORE
MASS
119
AREA
0
HEIGHT
0
25-Jun-2024
18:43



AFTER
MASS
119
AREA
3118
HEIGHT
2195
25-Jun-2024
19:31



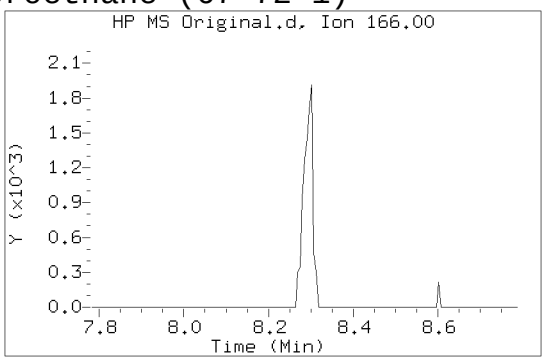
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InstruID : ms25.i
LabSampID : 1234

Hexachloroethane (67-72-1)

Reason Code: IH

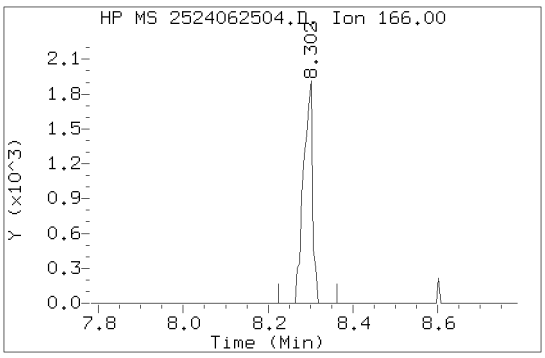
BEFORE

MASS
166
AREA
0
HEIGHT
0
25-Jun-2024
18:43



AFTER

MASS
166
AREA
2843
HEIGHT
1913
25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 11:23
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062505.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062505.D
Lab Smp Id: 1235
Inj Date : 25-JUN-2024 11:44
Operator : ILY Inst ID: ms25.i
Smp Info : 1235;;1;1;2;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\25-8260b09.m
Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	59688	5.00000	4.96098	
2	Chloromethane	50	1.644	1.645	(0.394)	52986	5.00000	4.93802	
3	Vinyl Chloride	62	1.704	1.705	(0.409)	67532	5.00000	4.96514	
4	Bromomethane	94	1.923	1.923	(0.461)	37472	5.00000	5.36670	
5	Chloroethane	64	2.004	2.005	(0.481)	49249	5.00000	5.08571	
6	Pentane	41	2.092	2.092	(0.502)	50203	5.00000	4.98935	
7	Trichlorofluoromethane	101	2.097	2.103	(0.503)	94521	5.00000	5.07354	
8	Dichlorofluoromethane	67	2.124	2.125	(0.509)	91911	5.00000	5.33176	
9	Ethyl Ether	74	2.277	2.278	(0.546)	26048	5.00000	4.96900	
10	1,1-Dichloroethene	61	2.414	2.409	(0.579)	53755	5.00000	5.13888	
11	Freon 113	101	2.424	2.425	(0.581)	39179	5.00000	5.32509	
12	Carbon Disulfide	76	2.446	2.447	(0.587)	109252	5.00000	4.84162	
13	Iodomethane	127	2.512	2.507	(0.602)	12856	5.00000	3.64919	
14	Acrolein	56	2.599	2.600	(0.623)	41537	25.0000	24.6179	
15	Isopropyl Alcohol	45	2.654	2.654	(0.636)	13242	25.0000	21.1377	
16	3-Chloro-1-propene	41	2.681	2.676	(0.643)	45996	5.00000	5.20289	
17	Methylene Chloride	84	2.741	2.741	(0.657)	44601	5.00000	5.21982	
18	Acetone	58	2.757	2.752	(0.661)	22973	25.0000	24.2671	
19	Methyl acetate	74	2.817	2.812	(0.676)	9079	5.00000	4.28588(Q)	
20	trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	52215	5.00000	5.09647	
21	Hexane	57	2.861	2.867	(0.686)	86426	5.00000	4.80758	

Data File: 2524062505.D
Report Date: 25-Jun-2024 19:32

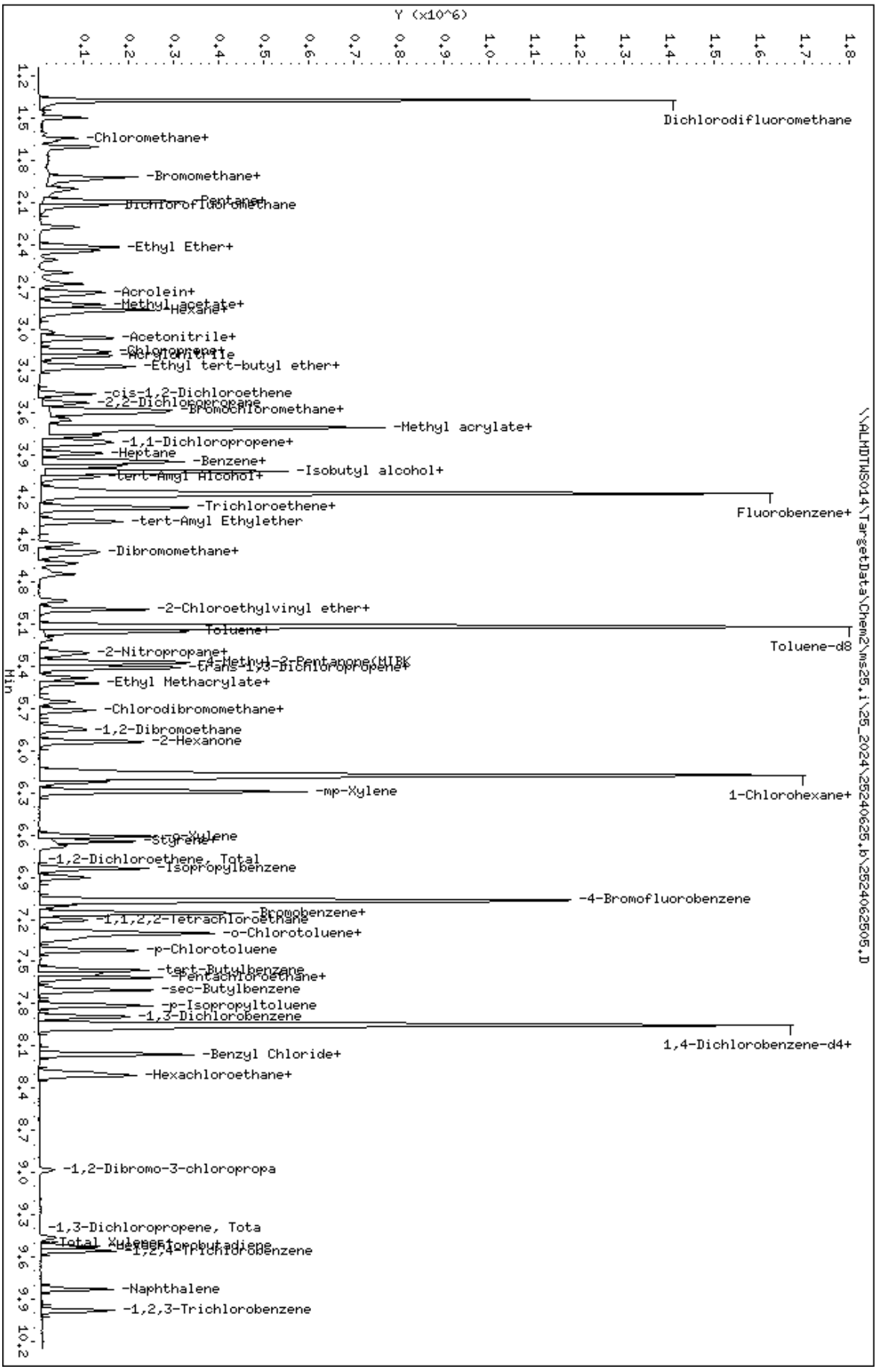
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	120315	5.00000	4.78736	
	23 tert.- Butyl Alcohol	59	2.899	2.889	(0.695)	21867	25.0000	23.1385	
	24 Acetonitrile	41	3.025	3.020	(0.725)	27036	25.0000	25.5395	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	116696	5.00000	5.13219	
	26 Chloroprene	53	3.156	3.156	(0.757)	56434	5.00000	4.89543	
	27 1,1-Dichloroethane	63	3.167	3.167	(0.759)	73188	5.00000	5.24341	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	92982	25.0000	25.5783(M)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	120519	5.00000	4.99047	
	30 n-Propanol	41	3.265	3.260	(0.783)	21478	50.0000	47.9463(Q)	
	31 Vinyl Acetate	86	3.276	3.276	(0.785)	9677	5.00000	4.41305	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	53300	5.00000	5.13080	
	33 2,2-Dichloropropane	77	3.527	3.522	(0.846)	56064	5.00000	5.03959(M)	I
	34 Bromochloromethane	128	3.576	3.576	(0.857)	23110	5.00000	5.15866	
	35 Cyclohexane	84	3.587	3.587	(0.860)	62260	5.00000	4.99491	
	36 Chloroform	83	3.603	3.598	(0.864)	77923	5.00000	5.17135	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	42053	5.00000	4.57672	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	40449	5.00000	4.83542	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	45979	5.00000	4.53007(M)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	264311	30.0000	30.8069	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	61844	25.0000	24.1831	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	58962	5.00000	5.02729	
	43 2-Butanone	72	3.761	3.767	(0.902)	30643	25.0000	24.7867(M)	MP
	44 1,1-Dichloropropene	75	3.800	3.800	(0.911)	57187	5.00000	5.15476	
	45 1-Chlorobutane	41	3.816	3.822	(0.915)	35980	5.00000	5.04323(M)	I
	46 Heptane	71	3.887	3.887	(0.932)	33214	5.00000	5.15312	
	47 Benzene	78	3.941	3.942	(0.945)	171818	5.00000	5.03878	
	48 Propionitrile	54	3.941	3.942	(0.945)	33201	25.0000	24.1189(M)	I
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	19135	5.00000	4.63708(Q)	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	112448	5.00000	4.82365	
	54 Isobutyl alcohol	42	3.985	3.980	(0.956)	7621	50.0000	40.0273(M)	MP
$	51 1,2-Dichloroethane-d4	65	4.018	4.013	(0.963)	286783	30.0000	31.7090(M)	MP
	52 1,2-Dichloroethane	62	4.051	4.056	(0.971)	53935	5.00000	5.03156(M)	I
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	15711	25.0000	21.6680	
*	55 Fluorobenzene	96	4.171	4.171	(1.000)	1087359	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	125872	5.00000	4.65034	
	57 Trichloroethene	95	4.269	4.269	(1.024)	41892	5.00000	4.85420	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	69627	5.00000	5.02555	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	87789	5.00000	4.55944	
	60 Dibromomethane	93	4.525	4.526	(1.085)	26239	5.00000	4.80949	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	40983	5.00000	4.99373	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	47880	5.00000	4.49673	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	31161	5.00000	4.79757(M)	I
	64 1,4-Dioxane	88	4.716	4.722	(1.131)	16306	125.000	128.349	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	23423	5.00000	4.24126	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	57636	5.00000	4.24765	
	67 Octane	85	5.000	5.000	(0.810)	25331	5.00000	4.82204	
$	68 Toluene-d8	98	5.115	5.120	(0.829)	1052255	30.0000	31.1164	
	69 Toluene	92	5.153	5.153	(0.835)	103607	5.00000	4.83383	
	70 Chloroacetonitrile	75	5.213	5.208	(0.844)	11858	25.0000	22.1928	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	42330	25.0000	19.7446	
	72 1,1-Dichloro-2-Propanone	63	5.316	5.317	(0.861)	4269	25.0000	20.5794(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	187763	25.0000	23.1030	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	54063	5.00000	4.31303	
	74 Tetrachloroethene	164	5.415	5.410	(0.877)	39410	5.00000	5.04948	

Data File: 2524062505.D
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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
76	Ethyl Methacrylate	69	5.486	5.481	(0.889)	51147	5.00000	4.24986	
77	1,1,2-Trichloroethane	83	5.518	5.524	(0.894)	33140	5.00000	5.03234	
78	Chlorodibromomethane	129	5.649	5.650	(0.915)	36996	5.00000	4.30237	
79	1,3-Dichloropropane	76	5.715	5.710	(0.926)	64110	5.00000	4.92726	
80	1,2-Dibromoethane	107	5.829	5.830	(0.944)	39025	5.00000	4.66538	
81	2-Hexanone	43	5.933	5.933	(0.961)	125367	25.0000	22.6028	
82	1-Chlorohexane	91	6.140	6.146	(0.995)	57356	5.00000	5.08663	
* 83	Chlorobenzene-d5	82	6.173	6.174	(1.000)	427126	30.0000		
84	Chlorobenzene	112	6.184	6.184	(1.002)	109743	5.00000	5.02430	
85	Ethylbenzene	106	6.189	6.190	(1.003)	58271	5.00000	4.44077	
86	1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	34773	5.00000	4.50754	
87	mp-Xylene	106	6.288	6.288	(1.019)	154227	10.0000	9.45903	
88	o-Xylene	106	6.610	6.610	(1.071)	65518	5.00000	4.50743	
89	Styrene	104	6.648	6.648	(0.836)	91709	5.00000	4.30376(M)	MP
90	Bromoform	173	6.681	6.686	(0.840)	22861	5.00000	3.89465	
91	Isopropylbenzene	105	6.839	6.839	(0.860)	150199	5.00000	4.86385	
M 100	1,2-Dichloroethene, Total	61				105515	10.0000	10.2273	
$ 92	4-Bromofluorobenzene	174	7.068	7.068	(0.889)	325457	30.0000	30.6043	
93	Bromobenzene	156	7.155	7.156	(0.900)	45273	5.00000	4.98138	
94	n-Propylbenzene	120	7.155	7.156	(0.900)	44738	5.00000	4.81386	
95	1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	44390	5.00000	4.91408	
96	o-Chlorotoluene	91	7.292	7.292	(0.917)	121483	5.00000	4.96837	
97	1,3,5-Trimethylbenzene	105	7.303	7.303	(0.918)	125150	5.00000	4.83861	
98	1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	14852	5.00000	5.09769	
99	trans-1,4-Dichloro-2-butene	53	7.341	7.341	(0.923)	11562	5.00000	4.43705(M)	MP
101	p-Chlorotoluene	91	7.417	7.418	(0.933)	111173	5.00000	5.01963	
102	tert-Butylbenzene	134	7.559	7.559	(0.951)	32108	5.00000	5.19039	
103	Pentachloroethane	117	7.586	7.581	(0.954)	25931	5.00000	4.44207(M)	MP
104	1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	132392	5.00000	4.69630(M)	I
105	sec-Butylbenzene	105	7.701	7.707	(0.968)	163354	5.00000	5.11007	
106	p-Isopropyltoluene	134	7.810	7.816	(0.982)	37381	5.00000	5.10636	
107	1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	77113	5.00000	5.03629	
* 108	1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	384401	30.0000		
109	1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	77858	5.00000	4.87835	
110	Benzyl Chloride	126	8.159	8.160	(1.026)	12513	5.00000	3.70991(Q)	
111	n-Butylbenzene	134	8.159	8.160	(1.026)	31794	5.00000	4.64753(Q)	
112	Hexachloroethane	117	8.290	8.285	(1.043)	20694	5.00000	4.13218	
113	1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	71870	5.00000	4.92763	
114	1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	6452	5.00000	4.11789	
115	Nitrobenzene	77	9.463	9.464	(1.190)	15593	50.0000	31.0878	
116	Hexachlorobutadiene	225	9.523	9.524	(1.198)	21249	5.00000	4.63313	
M 120	1,3-Dichloropropene, Total	75				111699	10.0000	8.56068	
117	1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	44395	5.00000	4.59634	
M 121	Total Xylenes	106				219745	15.0000	13.9665	
118	Naphthalene	128	9.829	9.829	(1.236)	109460	5.00000	4.15104	
119	1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	45198	5.00000	4.43252	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

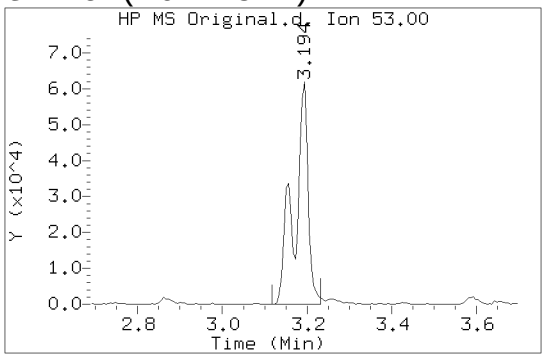

Y (x10^6)
Min
Dichlorodifluoromethane
-Chloromethane+
-Bromomethane+
-Ethyl Ether+
-Acrolein+
-Acetonitrile+
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-Methyl acrylate+
-1,1-Dichloropropene+
-Heptane
-Benzene+
-Isobutyl alcohol+
-Trichloroethene+
Fluorobenzene+
-tert-Amyl Ethylether
-Dibromomethane+
-2-Chloroethylvinyl ether+
Toluene+
Toluene-d8
-2-Nitropropane+
-Ethyl Methacrylate+
-Chlorodibromomethane+
-1,2-Dibromoethane
-2-Hexanone
1-Chlorohexane+
-mp-Xylene
-Styrene+
-1,2-Dichloroethene, Total
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-o-Chlorotoluene+
-p-Chlorotoluene
-tert-Butylbenzene
-Pentachloroethane+
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
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Page 1

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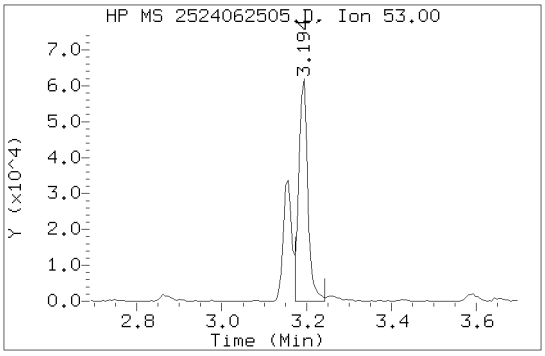
Acrylonitrile (107-13-1)

Reason Code: MP

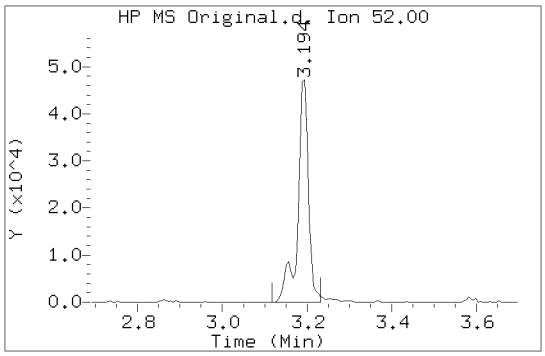
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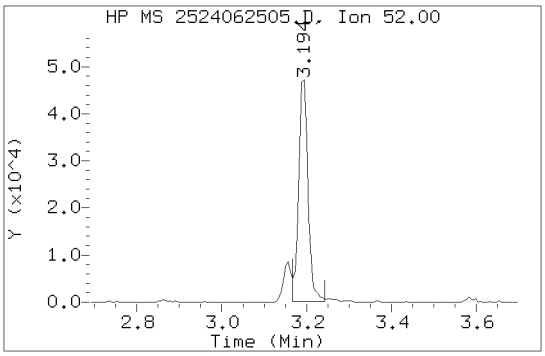
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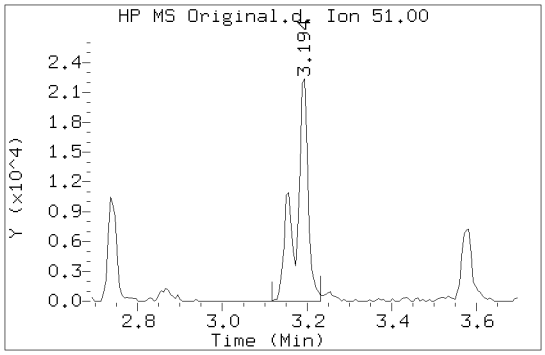
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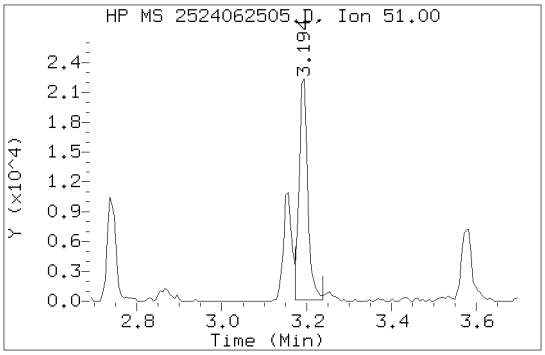
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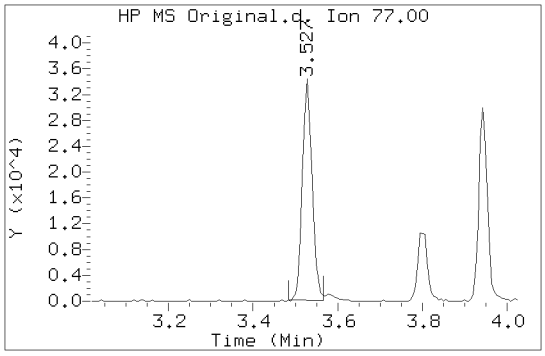
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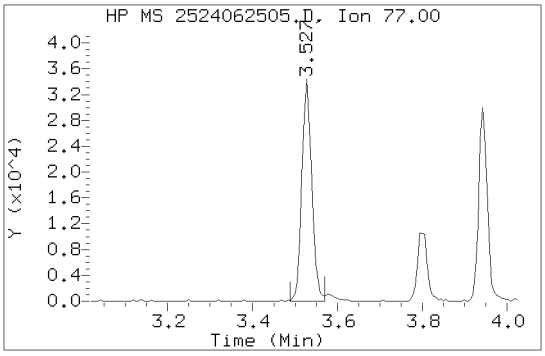
2,2-Dichloropropane (594-20-7)

Reason Code: I

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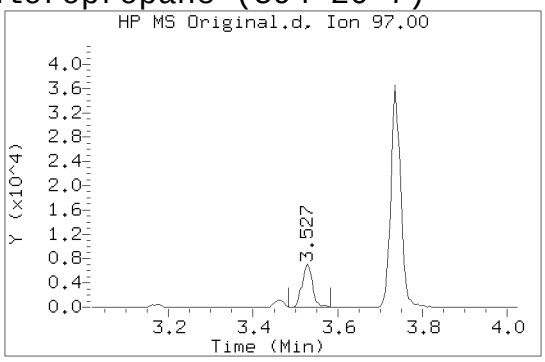


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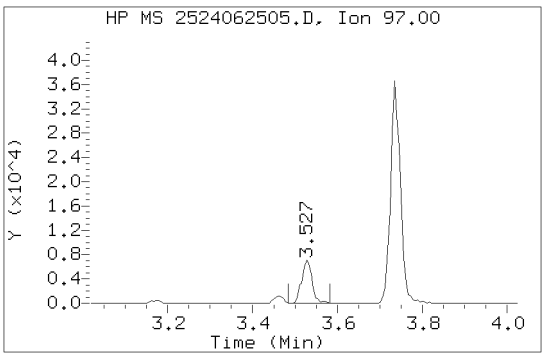
2,2-Dichloropropane (594-20-7)

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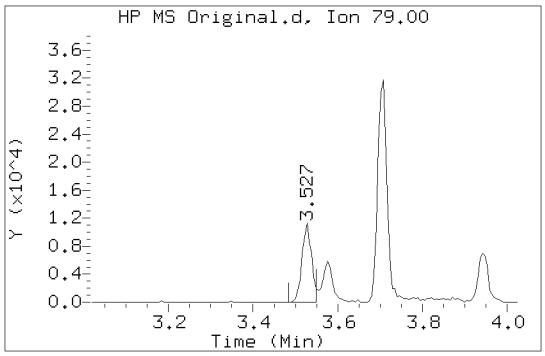
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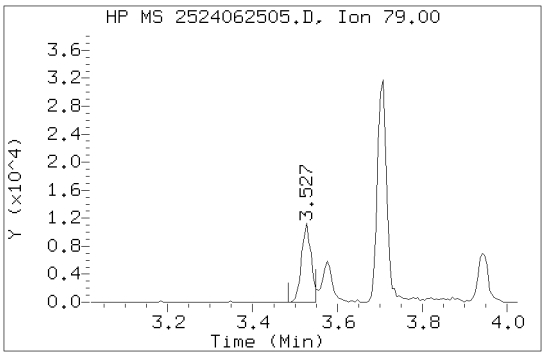
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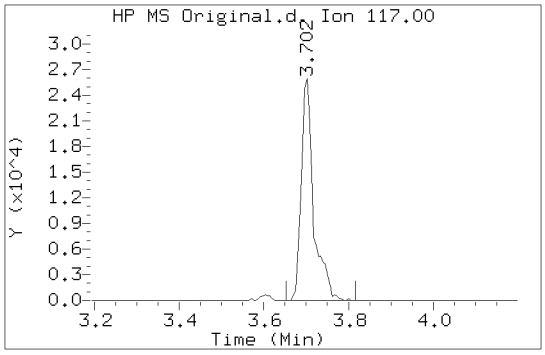
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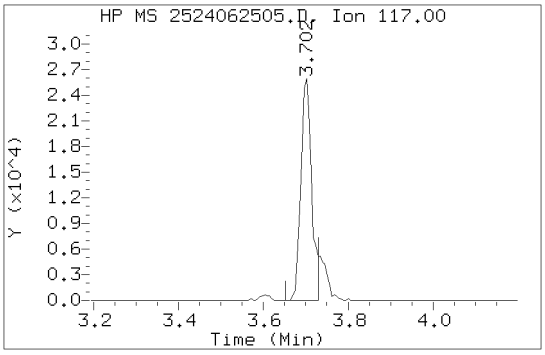
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Reason Code: MP

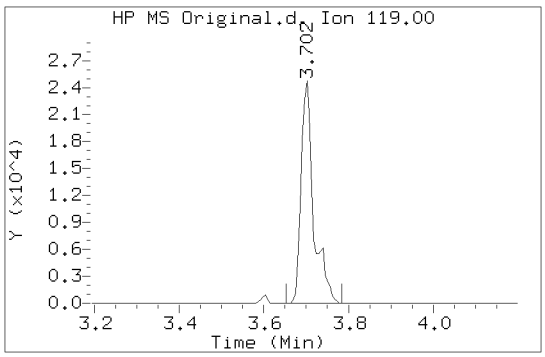
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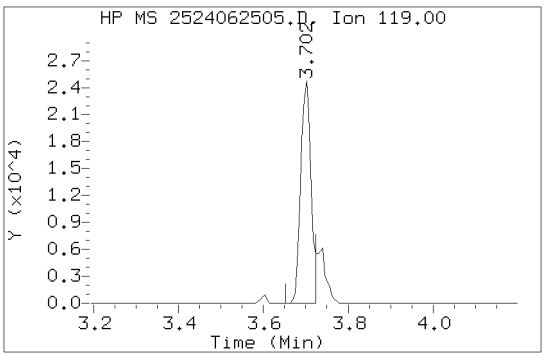
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25936
25-Jun-2024
19:31



BEFORE
MASS
119
AREA
50751
HEIGHT
24744
25-Jun-2024
18:35



AFTER
MASS
119
AREA
42128
HEIGHT
24744
25-Jun-2024
19:31

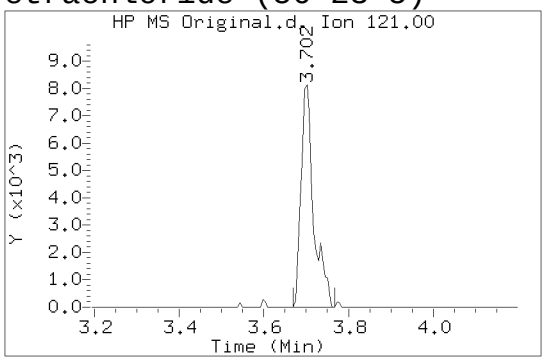


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InstruID : ms25.i
LabSampID : 1235

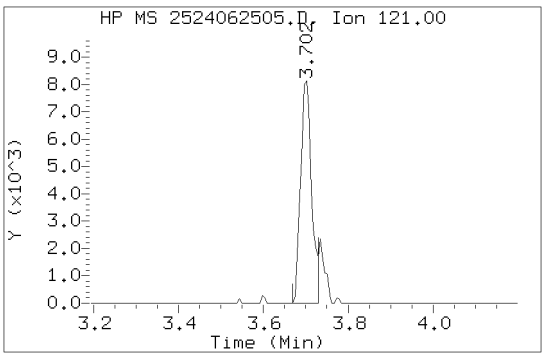
Carbon Tetrachloride (56-23-5)

Reason Code: MP

BEFORE
MASS
121
AREA
16874
HEIGHT
8135
25-Jun-2024
18:35



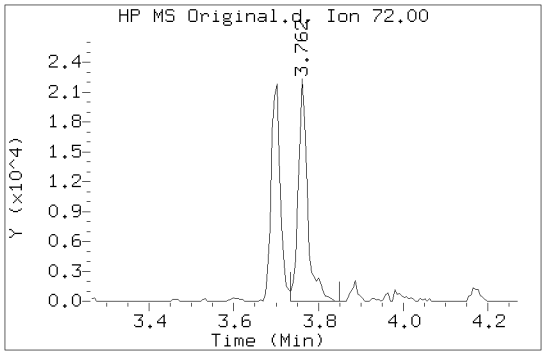
AFTER
MASS
121
AREA
14785
HEIGHT
8135
25-Jun-2024
19:31



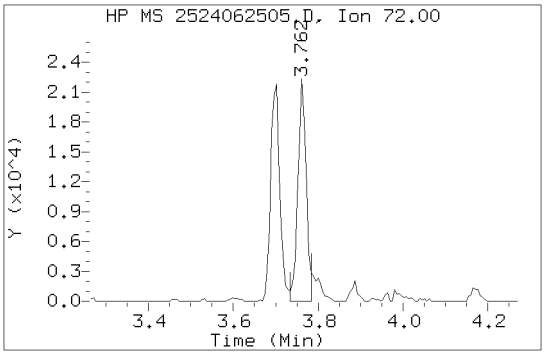
2-Butanone (78-93-3)

Reason Code: MP

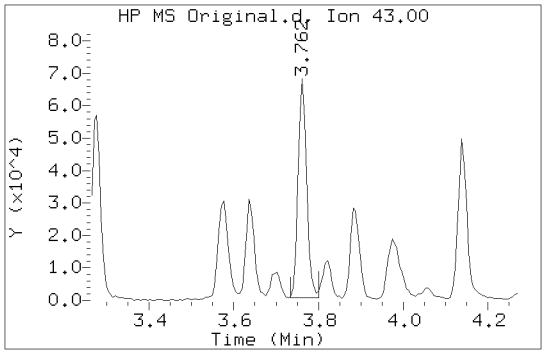
BEFORE
MASS
72
AREA
34311
HEIGHT
22336
25-Jun-2024
18:35



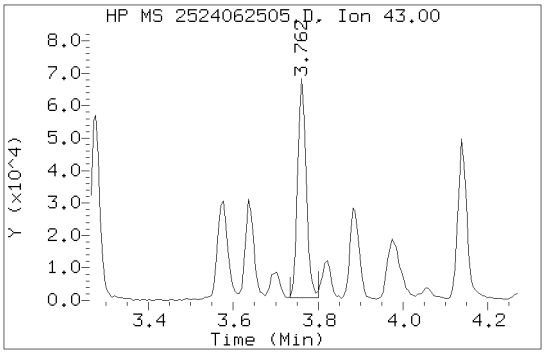
AFTER
MASS
72
AREA
30643
HEIGHT
22336
25-Jun-2024
19:31



BEFORE
MASS
43
AREA
95157
HEIGHT
67435
25-Jun-2024
18:35



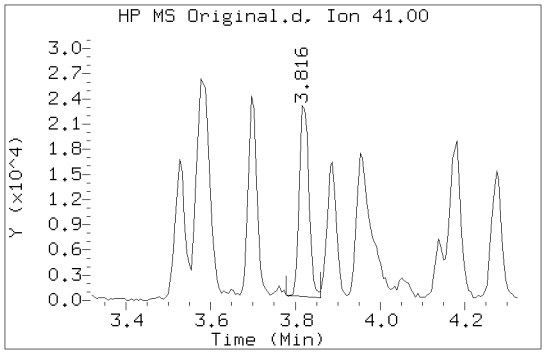
AFTER
MASS
43
AREA
95157
HEIGHT
67435
25-Jun-2024
19:31



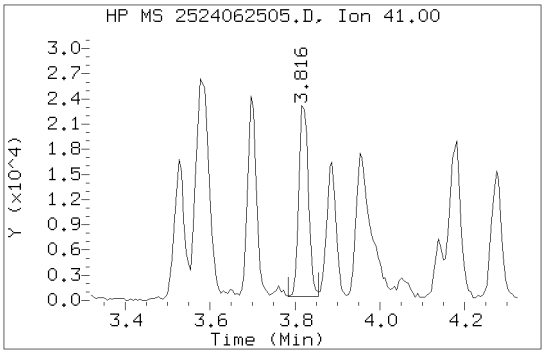
1-Chlorobutane (109-69-3)

Reason Code: I

BEFORE
MASS
41
AREA
36163
HEIGHT
22753
25-Jun-2024
18:35



AFTER
MASS
41
AREA
35980
HEIGHT
22774
25-Jun-2024
19:31

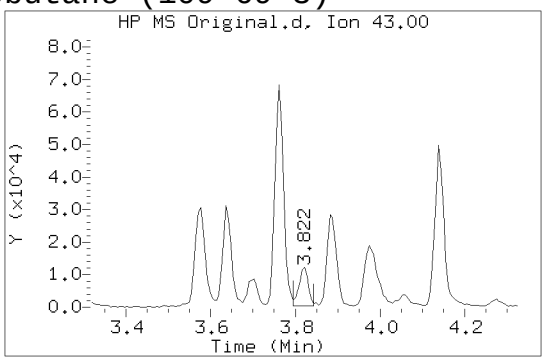


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LabSampID : 1235

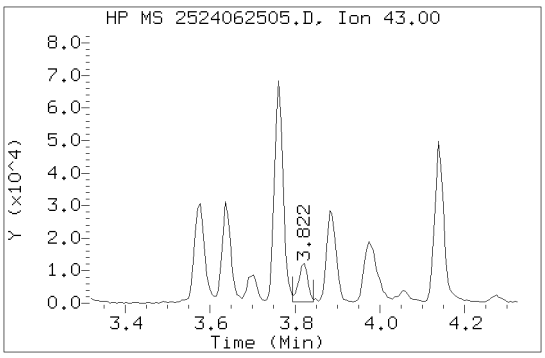
1-Chlorobutane (109-69-3)

Reason Code: I

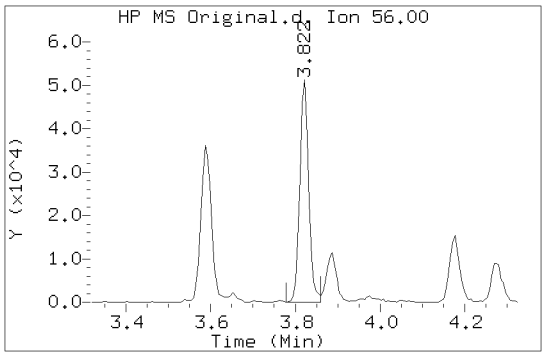
BEFORE
MASS
43
AREA
18123
HEIGHT
11751
25-Jun-2024
18:35



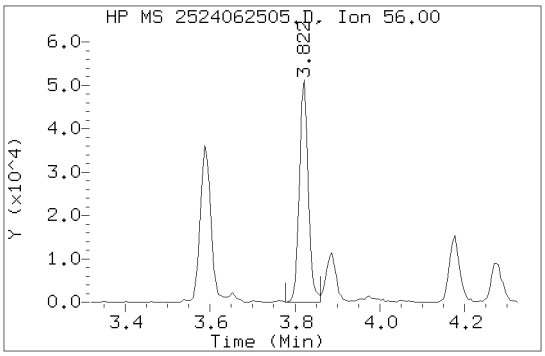
AFTER
MASS
43
AREA
18123
HEIGHT
11751
25-Jun-2024
19:31



BEFORE
MASS
56
AREA
74900
HEIGHT
51272
25-Jun-2024
18:35



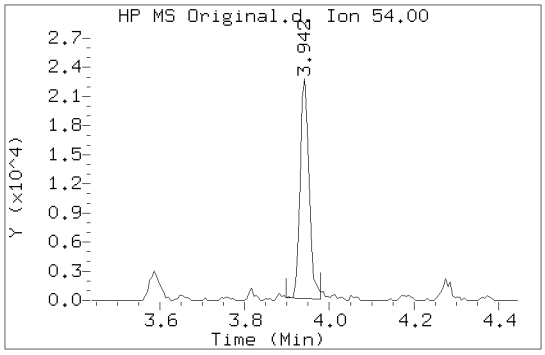
AFTER
MASS
56
AREA
74900
HEIGHT
51272
25-Jun-2024
19:31



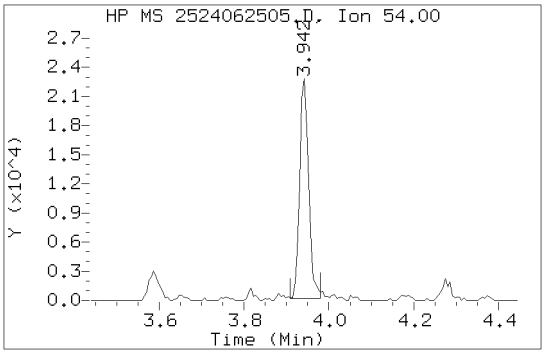
Propionitrile (107-12-0)

Reason Code: I

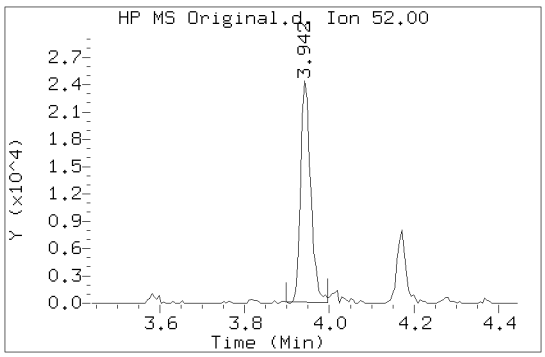
BEFORE
MASS
54
AREA
33360
HEIGHT
22634
25-Jun-2024
18:35



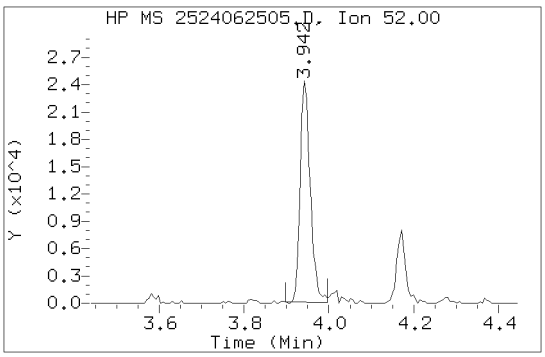
AFTER
MASS
54
AREA
33201
HEIGHT
22616
25-Jun-2024
19:31



BEFORE
MASS
52
AREA
40274
HEIGHT
24303
25-Jun-2024
18:35



AFTER
MASS
52
AREA
40274
HEIGHT
24303
25-Jun-2024
19:31



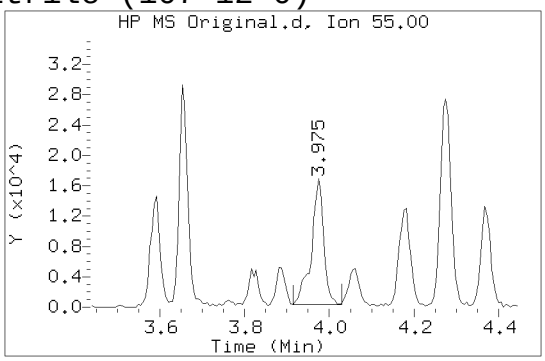
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Inj Date : 25-JUN-2024 11:44
InstruID : ms25.i
LabSampID : 1235

Propionitrile (107-12-0)

Reason Code: I

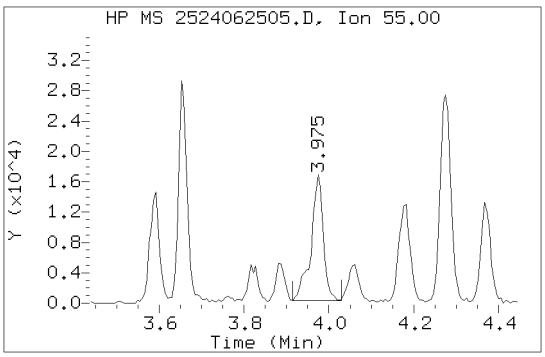
BEFORE

MASS
55
AREA
33579
HEIGHT
16614
25-Jun-2024
18:35



AFTER

MASS
55
AREA
33579
HEIGHT
16614
25-Jun-2024
19:31

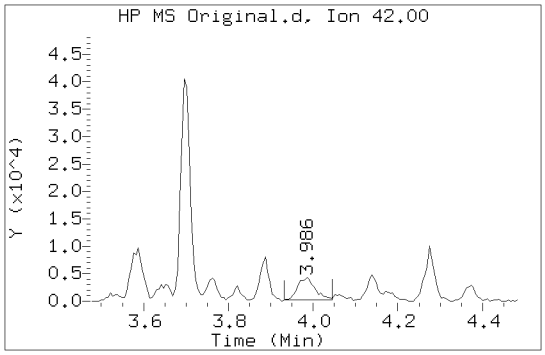


Isobutyl alcohol (78-83-1)

Reason Code: MP

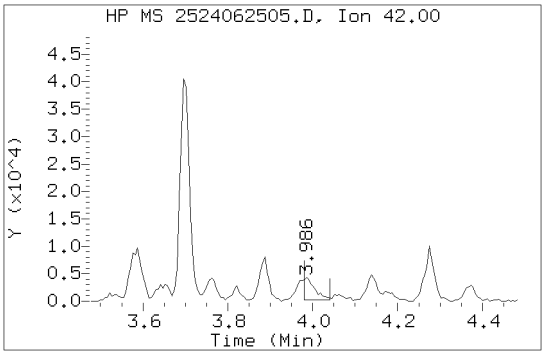
BEFORE

MASS
42
AREA
12012
HEIGHT
4113
25-Jun-2024
18:35



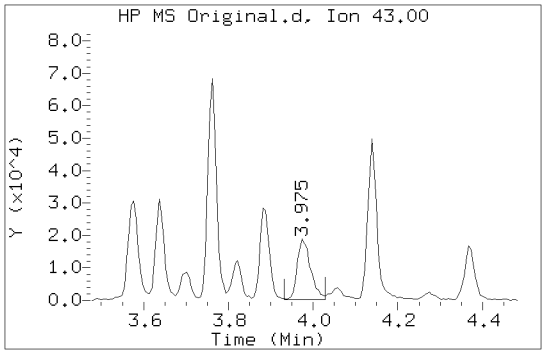
AFTER

MASS
42
AREA
7621
HEIGHT
4107
25-Jun-2024
19:31



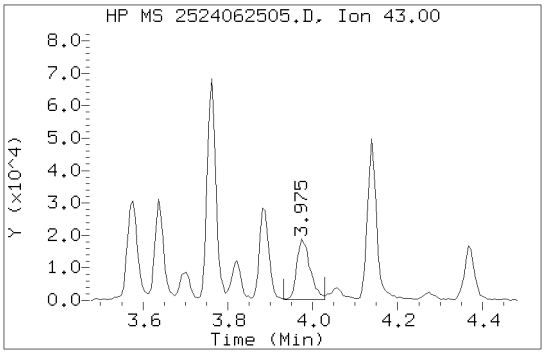
BEFORE

MASS
43
AREA
41216
HEIGHT
18776
25-Jun-2024
18:35



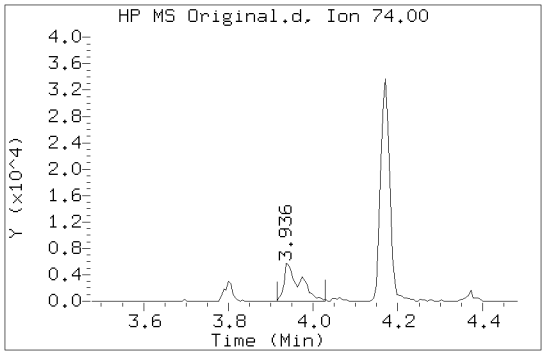
AFTER

MASS
43
AREA
41216
HEIGHT
18776
25-Jun-2024
19:31



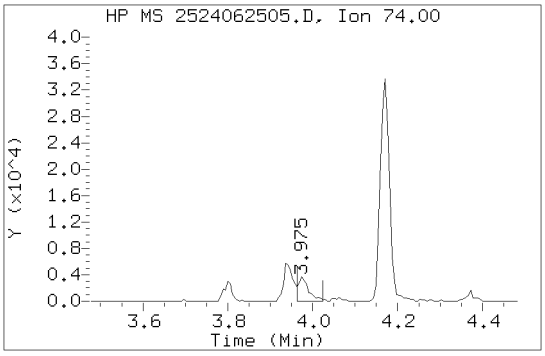
BEFORE

MASS
74
AREA
15051
HEIGHT
5773
25-Jun-2024
18:35



AFTER

MASS
74
AREA
6220
HEIGHT
3685
25-Jun-2024
19:31

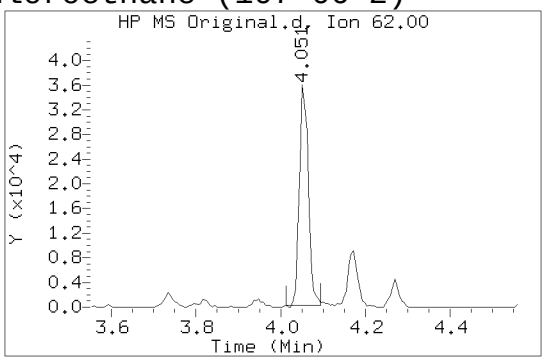


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LabSampID : 1235

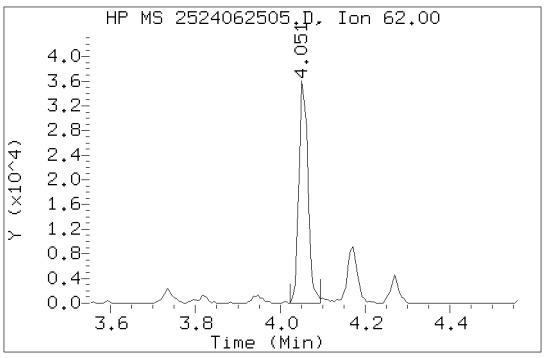
1,2-Dichloroethane (107-06-2)

Reason Code: I

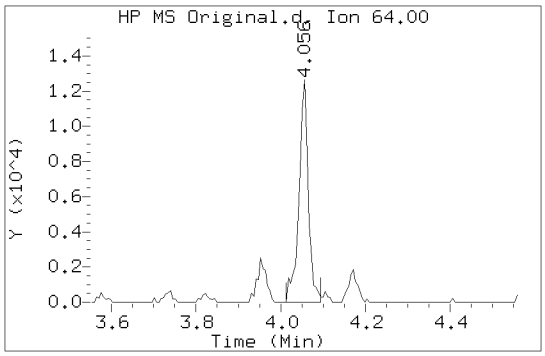
BEFORE
MASS
62
AREA
52620
HEIGHT
35766
25-Jun-2024
18:35



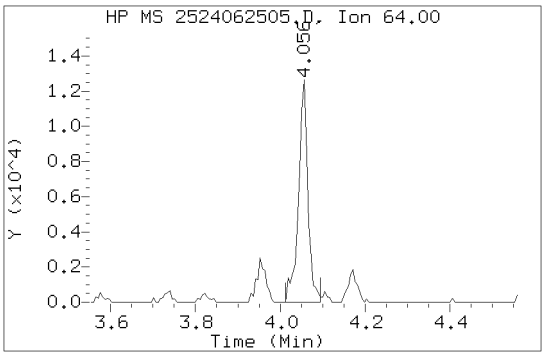
AFTER
MASS
62
AREA
53935
HEIGHT
36034
25-Jun-2024
19:31



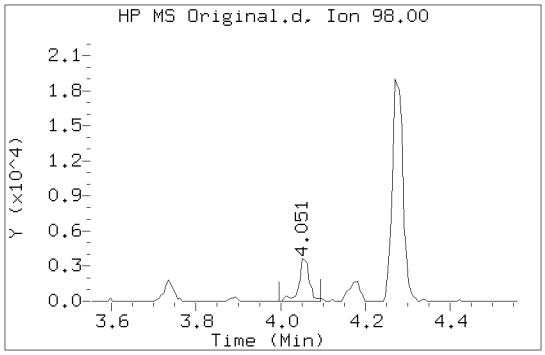
BEFORE
MASS
64
AREA
19445
HEIGHT
12637
25-Jun-2024
18:35



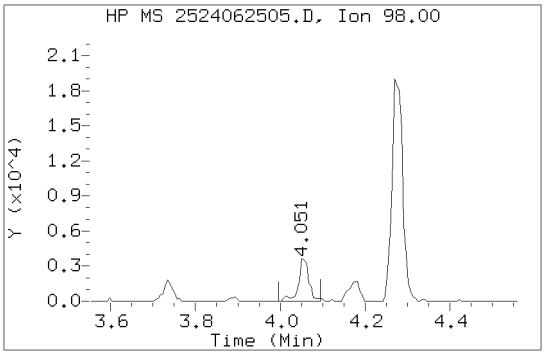
AFTER
MASS
64
AREA
19445
HEIGHT
12637
25-Jun-2024
19:31



BEFORE
MASS
98
AREA
6242
HEIGHT
3640
25-Jun-2024
18:35



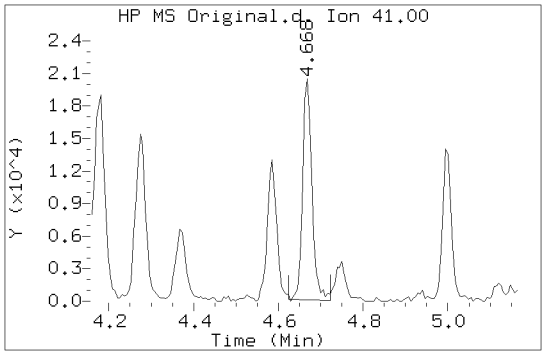
AFTER
MASS
98
AREA
6242
HEIGHT
3640
25-Jun-2024
19:31



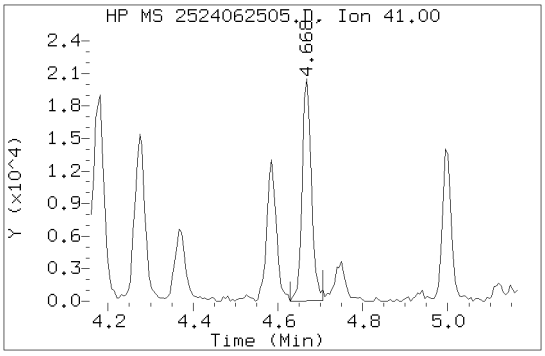
Methyl methacrylate (80-62-6)

Reason Code: I

BEFORE
MASS
41
AREA
31353
HEIGHT
20381
25-Jun-2024
18:35



AFTER
MASS
41
AREA
31161
HEIGHT
20475
25-Jun-2024
19:31

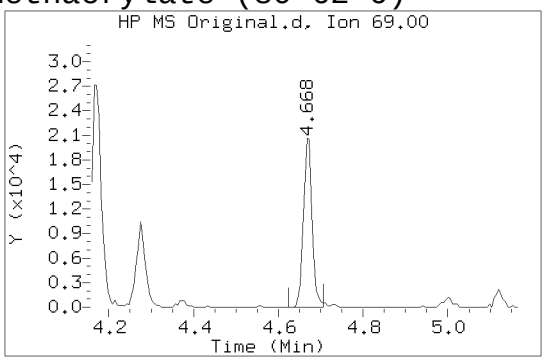


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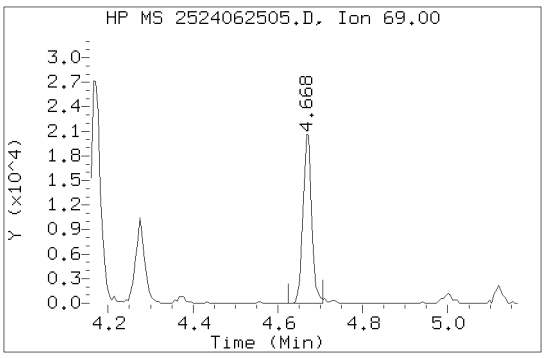
Methyl methacrylate (80-62-6)

Reason Code: I

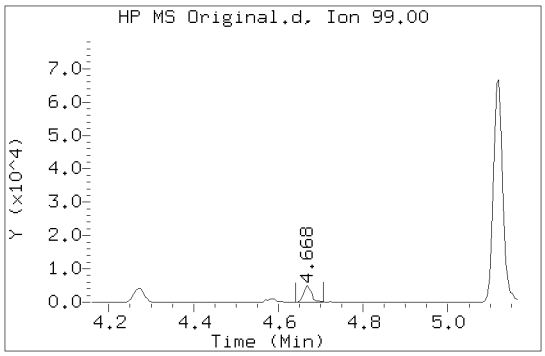
BEFORE
MASS
69
AREA
29450
HEIGHT
20640
25-Jun-2024
18:35



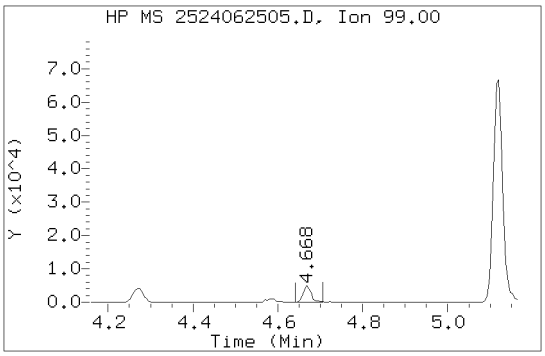
AFTER
MASS
69
AREA
29450
HEIGHT
20640
25-Jun-2024
19:31



BEFORE
MASS
99
AREA
6379
HEIGHT
4970
25-Jun-2024
18:35



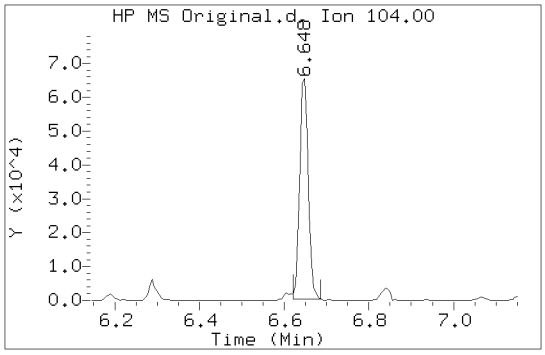
AFTER
MASS
99
AREA
6379
HEIGHT
4970
25-Jun-2024
19:31



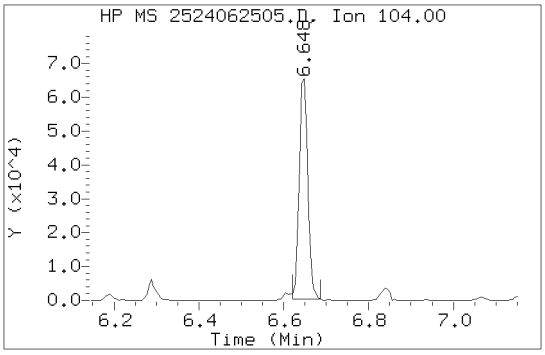
Styrene (100-42-5)

Reason Code: MP

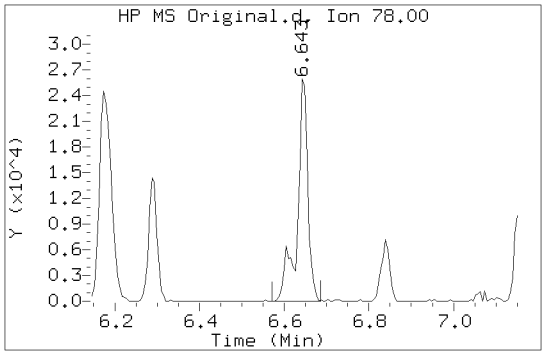
BEFORE
MASS
104
AREA
91709
HEIGHT
65019
25-Jun-2024
18:35



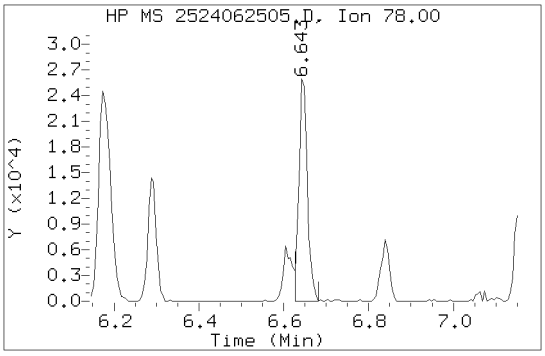
AFTER
MASS
104
AREA
91709
HEIGHT
65019
25-Jun-2024
19:31



BEFORE
MASS
78
AREA
45089
HEIGHT
25968
25-Jun-2024
18:35



AFTER
MASS
78
AREA
36230
HEIGHT
25938
25-Jun-2024
19:31

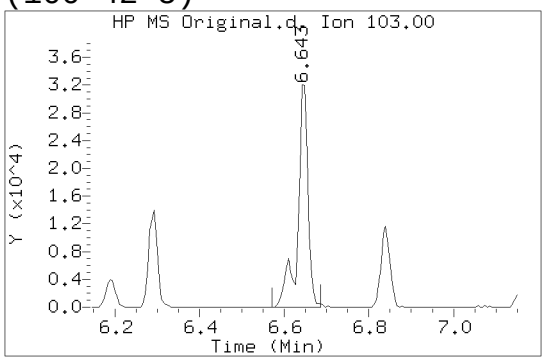


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LabSampID : 1235

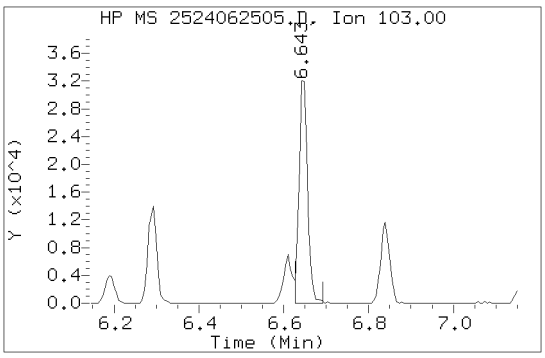
Styrene (100-42-5)

Reason Code: MP

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103
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HEIGHT
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25-Jun-2024
18:35



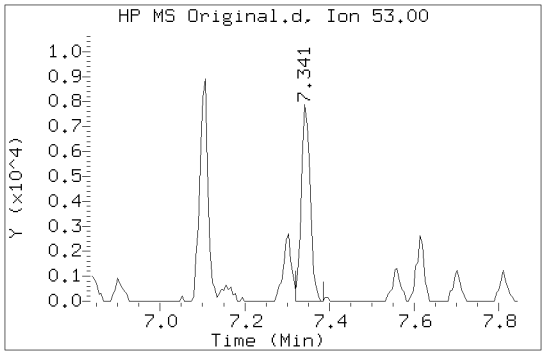
AFTER
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AREA
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HEIGHT
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25-Jun-2024
19:31



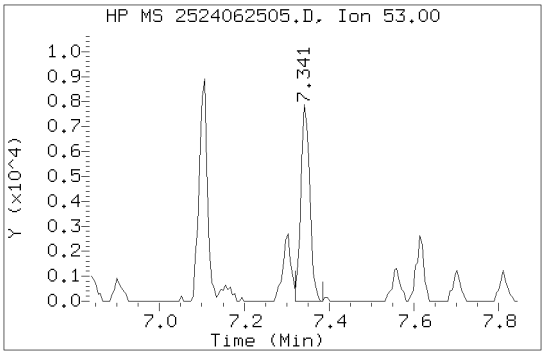
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

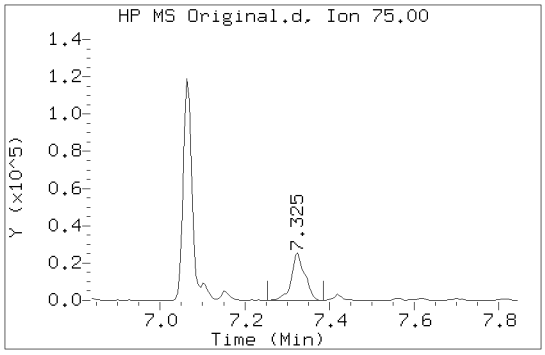
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53
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25-Jun-2024
18:35



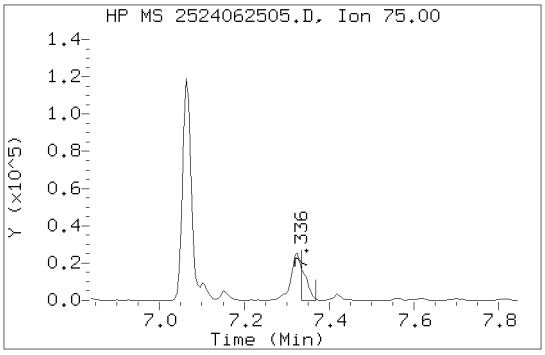
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25-Jun-2024
19:31



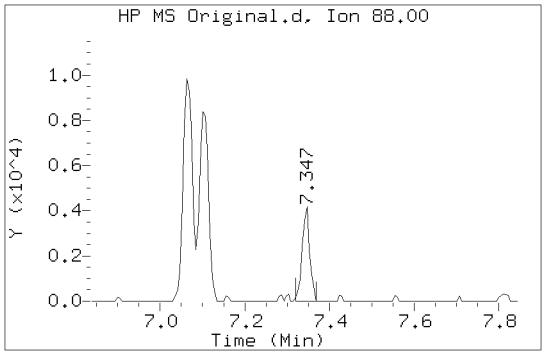
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25-Jun-2024
18:35



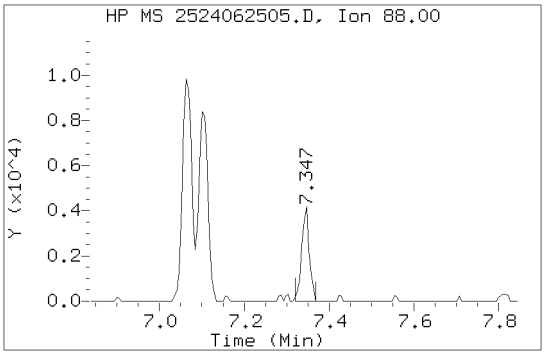
AFTER
MASS
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AREA
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HEIGHT
16543
25-Jun-2024
19:31



BEFORE
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88
AREA
5192
HEIGHT
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25-Jun-2024
18:35



AFTER
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AREA
5192
HEIGHT
4177
25-Jun-2024
19:31

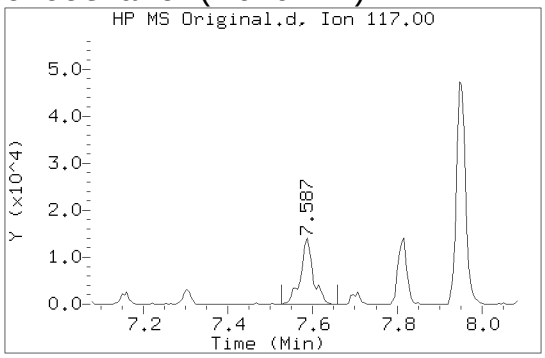


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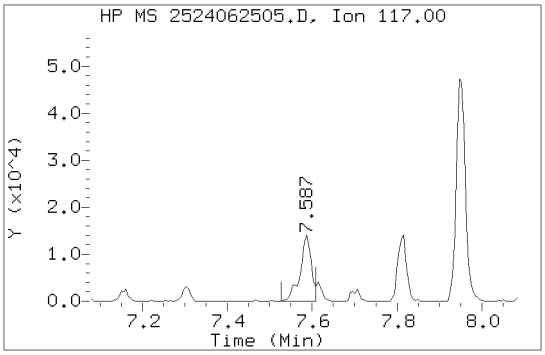
Pentachloroethane (76-01-7)

Reason Code: MP

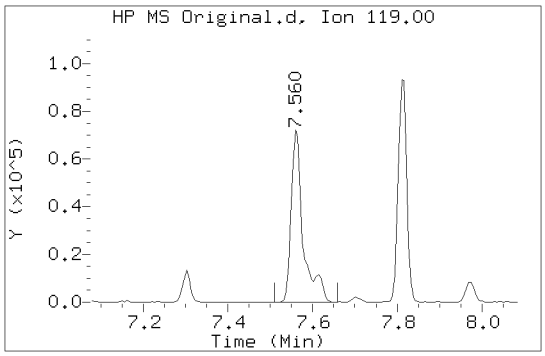
BEFORE
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29258
HEIGHT
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25-Jun-2024
18:35



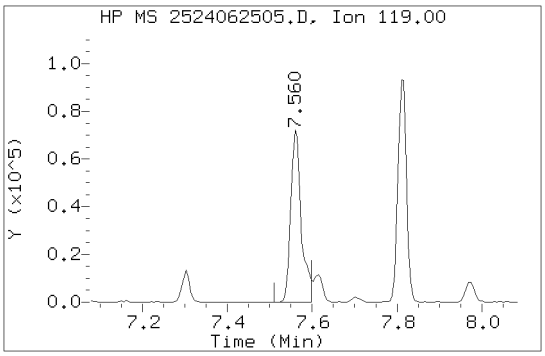
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25-Jun-2024
19:31



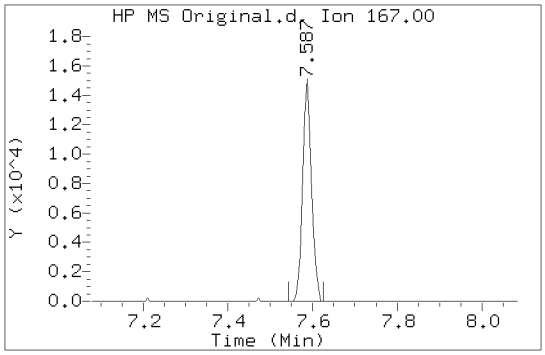
BEFORE
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119
AREA
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HEIGHT
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25-Jun-2024
18:35



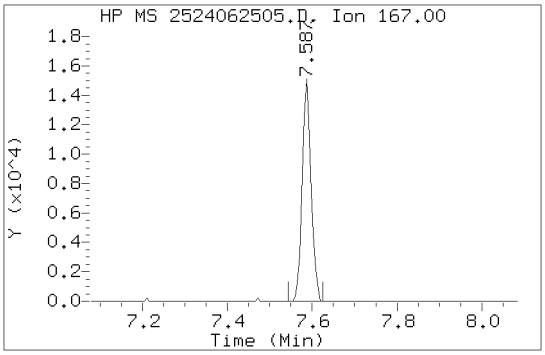
AFTER
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119
AREA
125797
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25-Jun-2024
19:31



BEFORE
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AREA
21855
HEIGHT
15118
25-Jun-2024
18:35



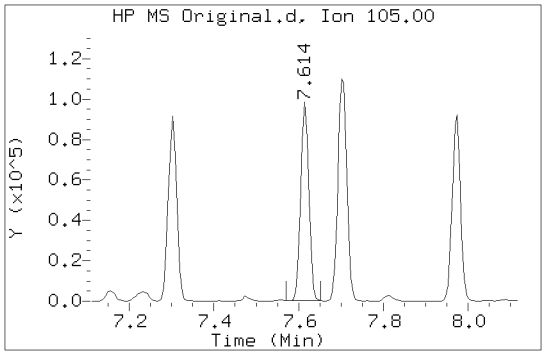
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25-Jun-2024
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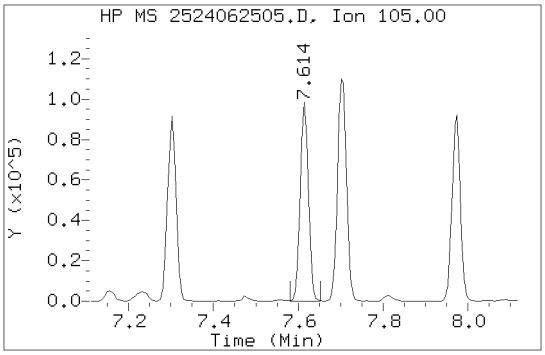
1,2,4-Trimethylbenzene (95-63-6)

Reason Code: I

BEFORE
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105
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HEIGHT
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25-Jun-2024
18:35



AFTER
MASS
105
AREA
132392
HEIGHT
98665
25-Jun-2024
19:31

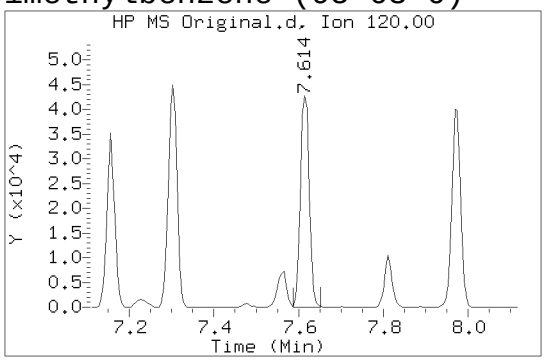


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Inj Date : 25-JUN-2024 11:44
InstruID : ms25.i
LabSampID : 1235

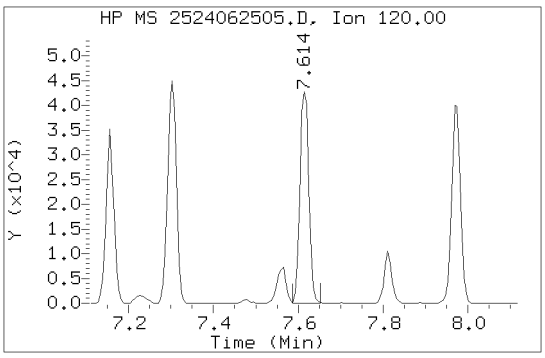
1,2,4-Trimethylbenzene (95-63-6)

Reason Code: I

BEFORE
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120
AREA
62494
HEIGHT
42800
25-Jun-2024
18:35



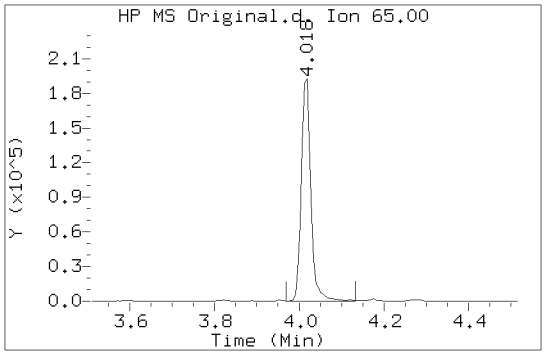
AFTER
MASS
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62494
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25-Jun-2024
19:31



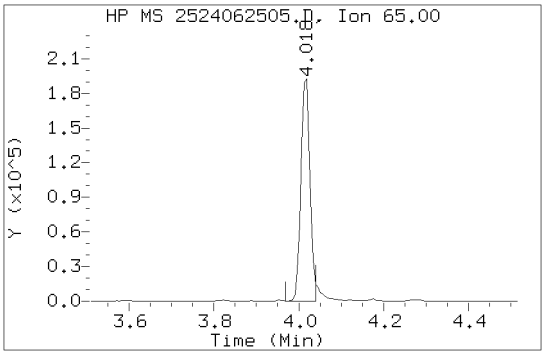
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

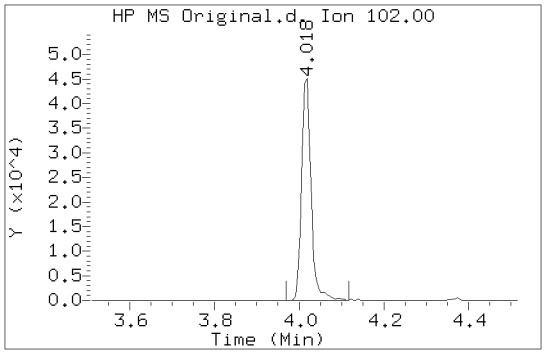
BEFORE
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65
AREA
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HEIGHT
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25-Jun-2024
18:35



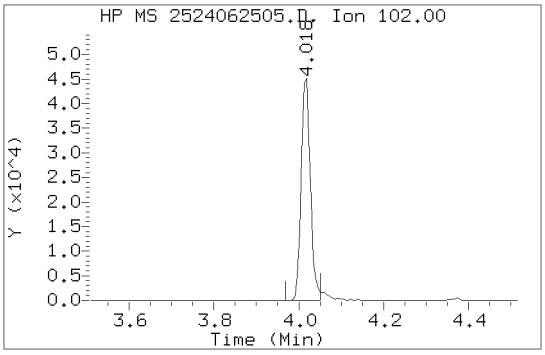
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25-Jun-2024
19:31



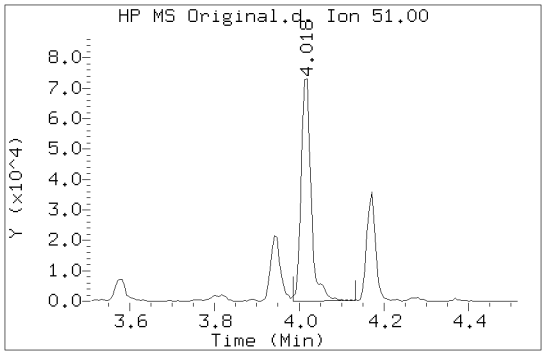
BEFORE
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102
AREA
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25-Jun-2024
18:35



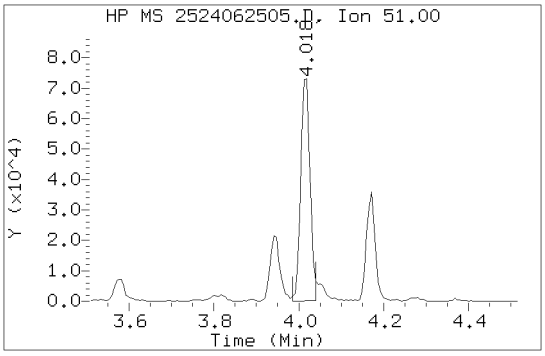
AFTER
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102
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HEIGHT
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25-Jun-2024
19:31



BEFORE
MASS
51
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HEIGHT
72920
25-Jun-2024
18:35



AFTER
MASS
51
AREA
112476
HEIGHT
72920
25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 11:44
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062506.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062506.D
Lab Smp Id: 1236
Inj Date : 25-JUN-2024 12:04
Operator : ILY Inst ID: ms25.i
Smp Info : 1236;;1;1;3;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\25-8260b09.m
Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	218972	20.0000	18.3014	
2	Chloromethane	50	1.644	1.645	(0.394)	186575	20.0000	17.7810	
3	Vinyl Chloride	62	1.704	1.705	(0.409)	244505	20.0000	18.0770	
4	Bromomethane	94	1.922	1.923	(0.461)	128221	20.0000	19.5396	
5	Chloroethane	64	2.004	2.005	(0.481)	167849	20.0000	18.1769	
6	Pentane	41	2.091	2.092	(0.502)	154298	20.0000	17.6328	
7	Trichlorofluoromethane	101	2.097	2.103	(0.503)	342524	20.0000	18.4880	
8	Dichlorofluoromethane	67	2.124	2.125	(0.509)	330328	20.0000	19.2692	
9	Ethyl Ether	74	2.277	2.278	(0.546)	104226	20.0000	19.9934	
10	1,1-Dichloroethene	61	2.413	2.409	(0.579)	195734	20.0000	18.8162	
11	Freon 113	101	2.424	2.425	(0.581)	135864	20.0000	18.5692	
12	Carbon Disulfide	76	2.446	2.447	(0.587)	414688	20.0000	18.4799	
13	Iodomethane	127	2.506	2.507	(0.601)	55931	20.0000	14.2386	
14	Acrolein	56	2.599	2.600	(0.623)	158045	100.000	94.1918	
15	Isopropyl Alcohol	45	2.653	2.654	(0.636)	48509	100.000	86.3919	
16	3-Chloro-1-propene	41	2.681	2.676	(0.643)	163615	20.0000	18.1616	
17	Methylene Chloride	84	2.741	2.741	(0.657)	162608	20.0000	19.1368	
18	Acetone	58	2.757	2.752	(0.661)	85596	100.000	90.9222	
19	Methyl acetate	74	2.817	2.812	(0.676)	35525	20.0000	18.1033	
20	trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	192543	20.0000	18.8981	
21	Hexane	57	2.866	2.867	(0.687)	304896	20.0000	17.8025	

Data File: 2524062506.D
Report Date: 25-Jun-2024 19:32

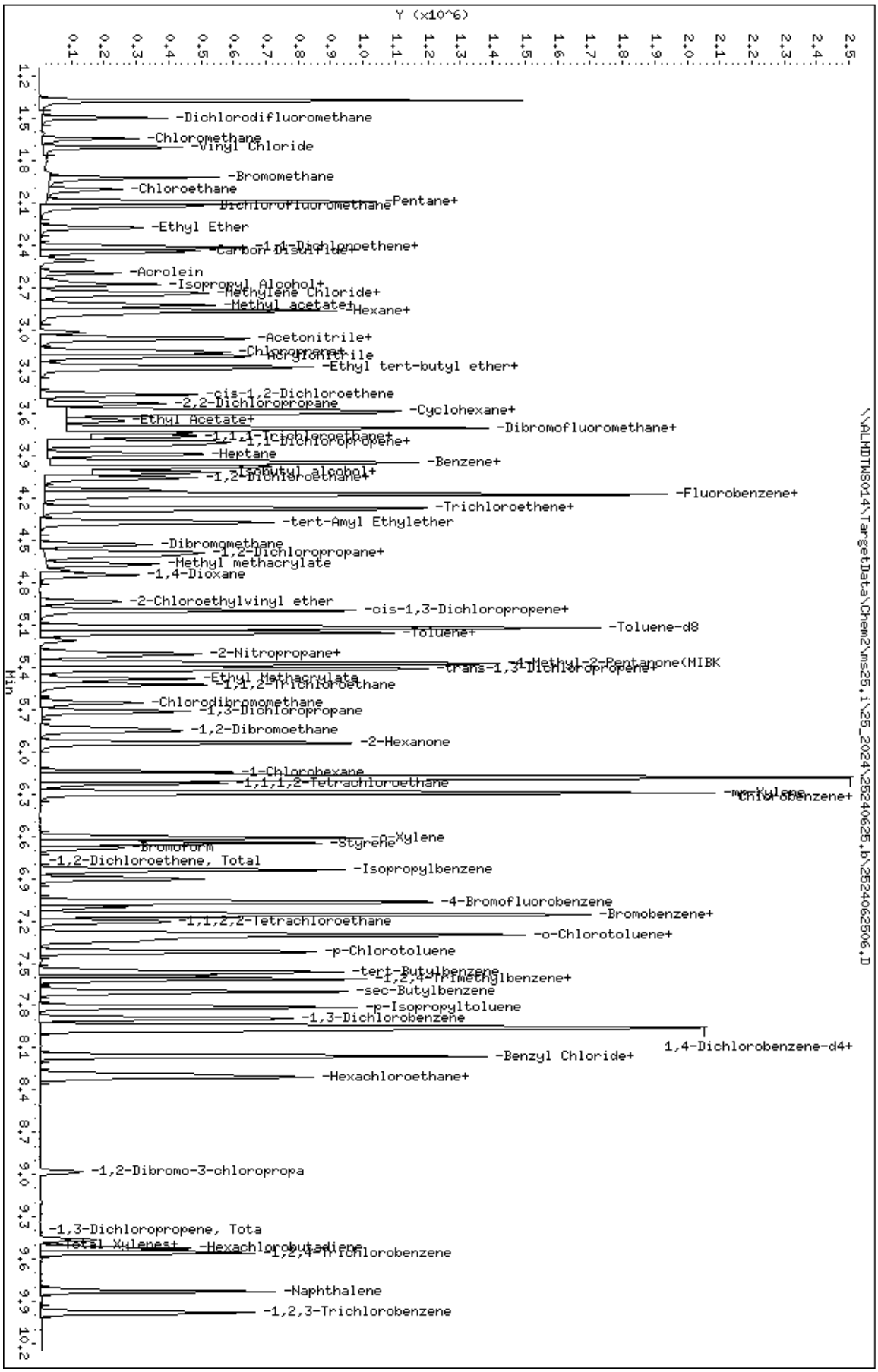
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	466744	20.0000	18.0052	
	23 tert.- Butyl Alcohol	59	2.894	2.889	(0.694)	93681	100.000	99.6811	
	24 Acetonitrile	41	3.019	3.020	(0.724)	101641	100.000	96.5507	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	437840	20.0000	19.3632	
	26 Chloroprene	53	3.155	3.156	(0.757)	221317	20.0000	19.3055	
	27 1,1-Dichloroethane	63	3.172	3.167	(0.761)	262971	20.0000	18.9452	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	357939	100.000	99.0143(M)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	474249	20.0000	19.7473	
	30 n-Propanol	41	3.265	3.260	(0.783)	78030	200.000	175.162	
	31 Vinyl Acetate	86	3.275	3.276	(0.785)	38506	20.0000	16.5102(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	202733	20.0000	19.6245	
	33 2,2-Dichloropropane	77	3.526	3.522	(0.846)	209285	20.0000	18.9176	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	89307	20.0000	20.0465(M)	I
	35 Cyclohexane	84	3.587	3.587	(0.860)	228148	20.0000	18.4057	
	36 Chloroform	83	3.597	3.598	(0.863)	289206	20.0000	19.3002	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	158992	20.0000	17.6402	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	161402	20.0000	19.4022	
	39 Carbon Tetrachloride	117	3.696	3.696	(0.886)	178993	20.0000	16.5213(M)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	254218	30.0000	29.7958	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	239357	100.000	94.1190	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	229321	20.0000	19.6617	
	43 2-Butanone	72	3.761	3.767	(0.902)	119256	100.000	97.0025(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	209130	20.0000	18.9558	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	125975	20.0000	17.7561(M)	I
	46 Heptane	71	3.881	3.887	(0.931)	113785	20.0000	17.7521	
	47 Benzene	78	3.941	3.942	(0.945)	633576	20.0000	18.6841	
	48 Propionitrile	54	3.941	3.942	(0.945)	134551	100.000	98.2898	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	80238	20.0000	19.5530	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	449684	20.0000	19.3976	
	54 Isobutyl alcohol	42	3.990	3.980	(0.957)	34403	200.000	167.479(QM)	MP
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	270413	30.0000	30.0658(M)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	198579	20.0000	18.6286	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	67407	100.000	93.4837	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1081327	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	376363	20.0000	17.0103	
	57 Trichloroethene	95	4.269	4.269	(1.024)	154832	20.0000	18.0411	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	253987	20.0000	18.9162	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	354280	20.0000	17.7021	
	60 Dibromomethane	93	4.525	4.526	(1.085)	107302	20.0000	19.7777	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	156440	20.0000	19.1684	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	189702	20.0000	16.9316	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	123610	20.0000	19.1373	
	64 1,4-Dioxane	88	4.716	4.722	(1.131)	59497	500.000	470.930(A)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	95250	20.0000	16.1993	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	247573	20.0000	17.8608	
	67 Octane	85	4.994	5.000	(0.809)	99968	20.0000	19.6362	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1004639	30.0000	30.6546	
	69 Toluene	92	5.153	5.153	(0.835)	377248	20.0000	18.1613	
	70 Chloroacetonitrile	75	5.207	5.208	(0.844)	48573	100.000	93.8022	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	186383	100.000	83.0816	
	72 1,1-Dichloro-2-Propanone	63	5.311	5.317	(0.860)	18693	100.000	86.1649(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	770302	100.000	94.5351	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	223814	20.0000	17.4534	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	146028	20.0000	19.3061	

Data File: 2524062506.D Page 3
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.480	5.481	(0.888)	223797	20.0000	18.0778	
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	126126	20.0000	19.7624	
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	154197	20.0000	17.2869	
	79 1,3-Dichloropropane	76	5.715	5.710	(0.926)	254532	20.0000	20.1855	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	153645	20.0000	18.2360	
	81 2-Hexanone	43	5.933	5.933	(0.961)	515146	100.000	92.2414	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	207769	20.0000	19.0130	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	413941	30.0000	(M)	MP
	84 Chlorobenzene	112	6.184	6.184	(1.002)	413442	20.0000	19.5313	
	85 Ethylbenzene	106	6.189	6.190	(1.003)	219414	20.0000	17.6413	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	142310	20.0000	18.0101	
	87 mp-Xylene	106	6.287	6.288	(1.019)	535925	40.0000	35.9652	
	88 o-Xylene	106	6.609	6.610	(1.071)	249220	20.0000	17.6917	
	89 Styrene	104	6.648	6.648	(0.836)	391500	20.0000	17.3301(M)	MP
	90 Bromoform	173	6.680	6.686	(0.840)	102722	20.0000	16.1644	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	566222	20.0000	17.8690	
M	100 1,2-Dichloroethene, Total	61				395276	40.0000	38.5226	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	329556	30.0000	30.8412	
	93 Bromobenzene	156	7.155	7.156	(0.900)	171981	20.0000	18.8323	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	172929	20.0000	18.5182	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	181899	20.0000	20.0402	
	96 o-Chlorotoluene	91	7.291	7.292	(0.917)	467074	20.0000	19.0107	
	97 1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	483177	20.0000	18.5913	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	58202	20.0000	19.8811	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.341	(0.924)	47099	20.0000	17.1018(M)	MP
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	428598	20.0000	19.2591	
	102 tert-Butylbenzene	134	7.564	7.559	(0.951)	123761	20.0000	19.9106	
	103 Pentachloroethane	117	7.586	7.581	(0.954)	104294	20.0000	16.9034(M)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.614	(0.957)	488792	20.0000	17.6631	
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	625458	20.0000	19.4719	
	106 p-Isopropyltoluene	134	7.815	7.816	(0.983)	142765	20.0000	19.4087	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	294339	20.0000	19.1313	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	386252	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	300384	20.0000	18.7310	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	59767	20.0000	15.8725(Q)	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	125006	20.0000	18.1853	
	112 Hexachloroethane	117	8.290	8.285	(1.043)	85914	20.0000	15.8547	
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	283817	20.0000	19.3661	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	27852	20.0000	16.3262	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	74725	200.000	143.781	
	116 Hexachlorobutadiene	225	9.523	9.524	(1.198)	82540	20.0000	17.1898	
M	120 1,3-Dichloropropene, Total	75				471387	40.0000	35.3142	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	179576	20.0000	18.5029	
M	121 Total Xylenes	106				785145	60.0000	53.6568	
	118 Naphthalene	128	9.829	9.829	(1.236)	463248	20.0000	16.4549	
	119 1,2,3-Trichlorobenzene	180	9.981	9.982	(1.255)	178753	20.0000	16.5886	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

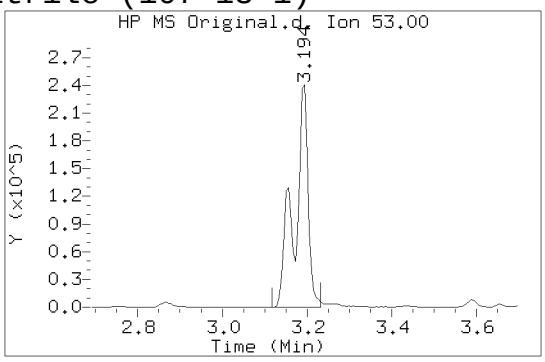

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Pentane+
-Ethyl Ether
-Carbon Disulfide+
-Acrolein
-Isopropyl Alcohol+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile+
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Cyclohexane+
-Ethyl Acetate+
-Dibromofluoromethane+
-Heptane
-Benzene+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-Methyl methacrylate
-1,4-Dioxane
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8
-2-Nitropropane+
-Ethyl Methacrylate
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
-Styrene
-BromoForm
-1,2-Dichloroethene, Total
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-o-Chlorotoluene+
-p-Chlorotoluene
-tert-Butylbenzene
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-Naphthalene
-1,2,3-Trichlorobenzene
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Instrument: ms25.i
Operator: ILY
Column diameter: 0.25
Page 1

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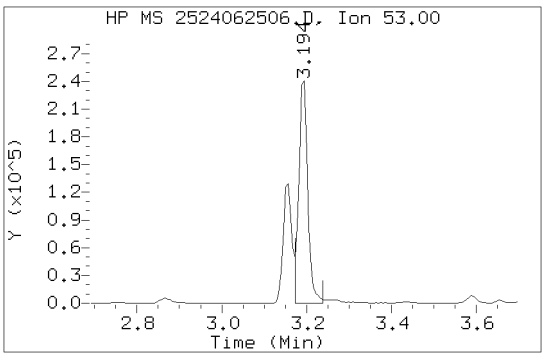
Acrylonitrile (107-13-1)

Reason Code: MP

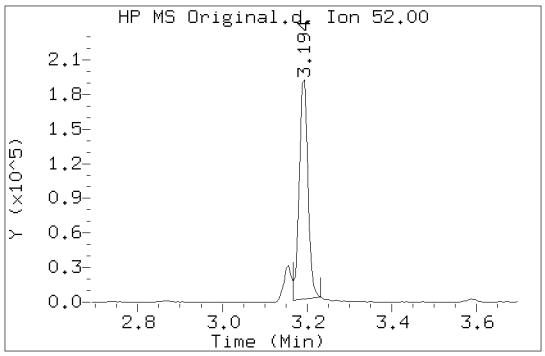
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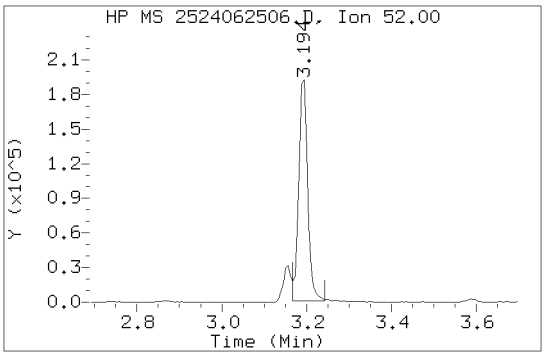
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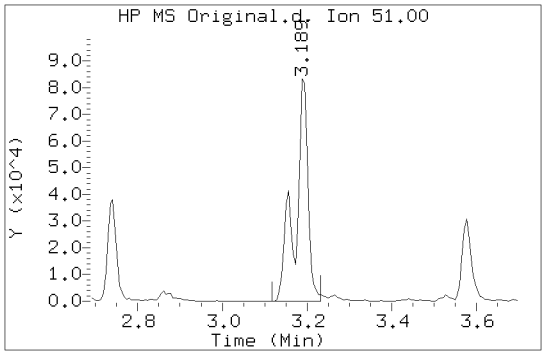
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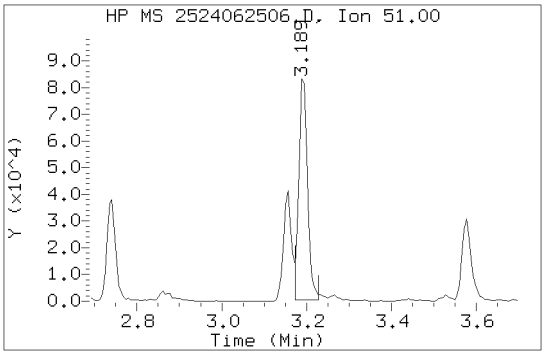
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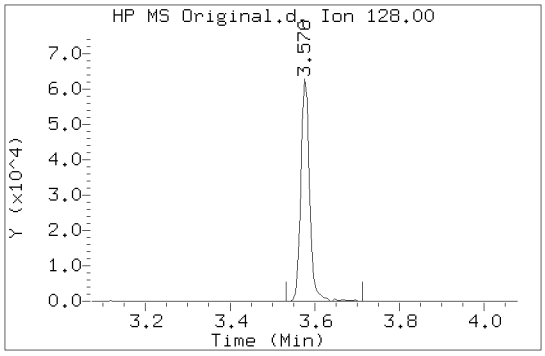
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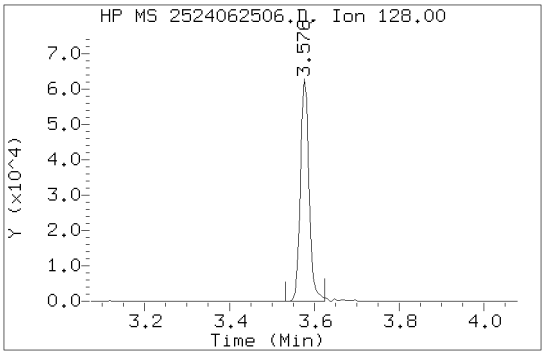
Bromochloromethane (74-97-5)

Reason Code: I

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25-Jun-2024
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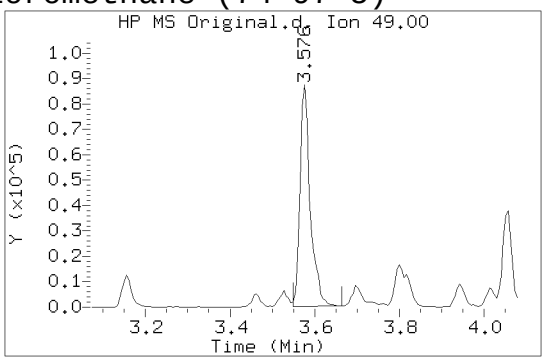


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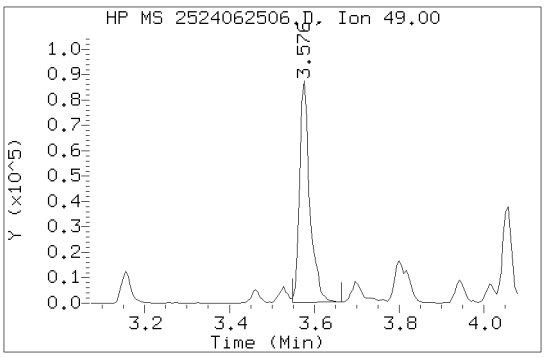
Bromochloromethane (74-97-5)

Reason Code: I

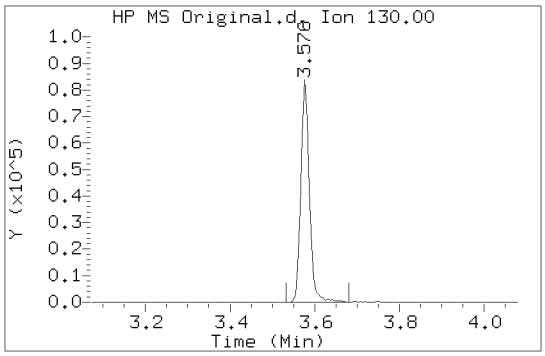
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18:30



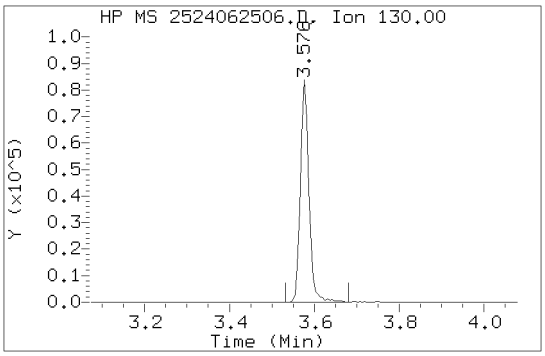
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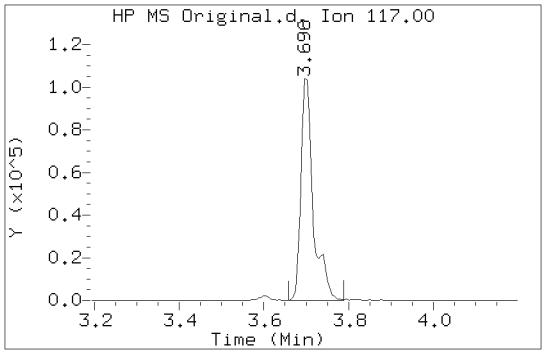
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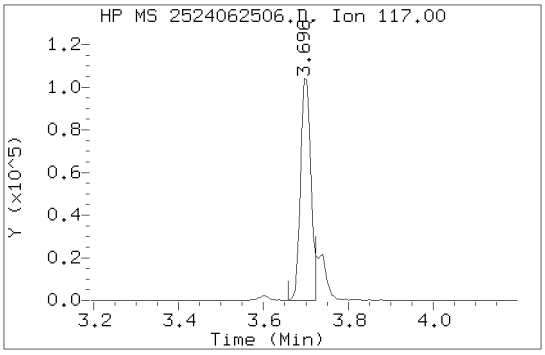
Carbon Tetrachloride (56-23-5)

Reason Code: MP

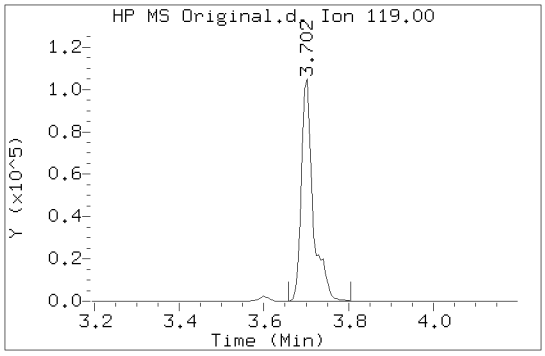
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25-Jun-2024
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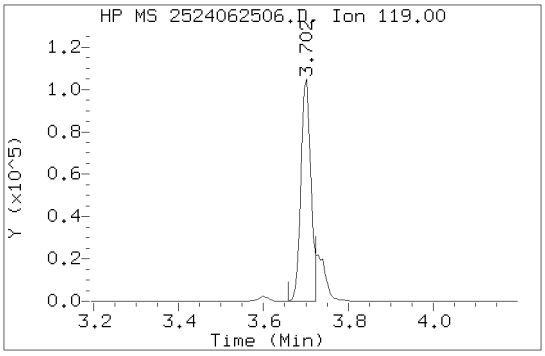
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25-Jun-2024
19:31



BEFORE
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AFTER
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25-Jun-2024
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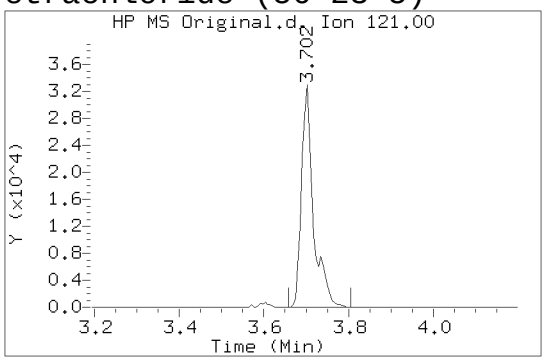


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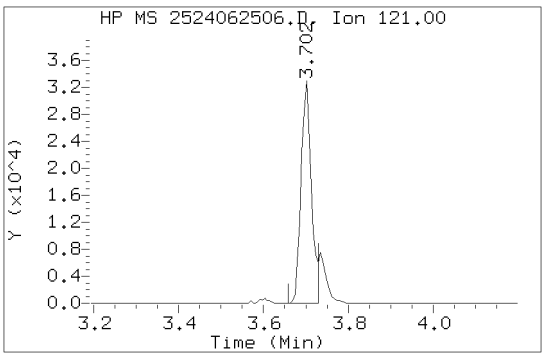
Carbon Tetrachloride (56-23-5)

Reason Code: MP

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25-Jun-2024
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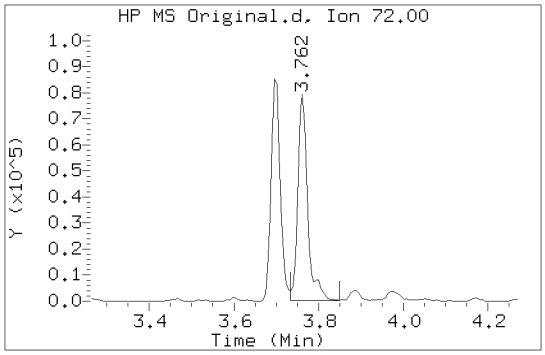
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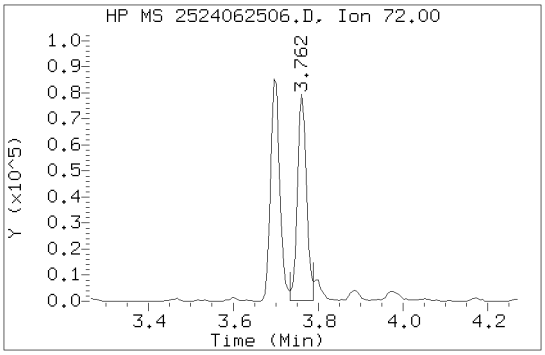
2-Butanone (78-93-3)

Reason Code: MP

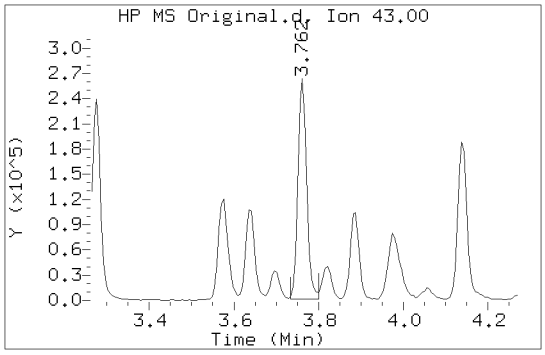
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25-Jun-2024
18:30



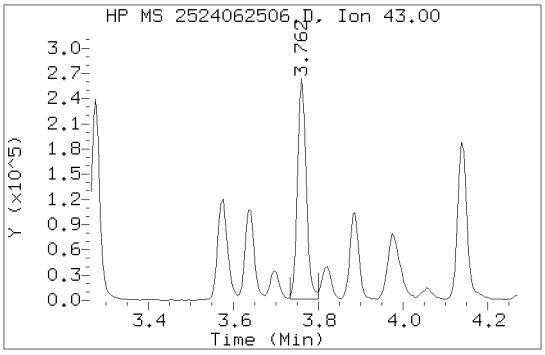
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BEFORE
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18:30



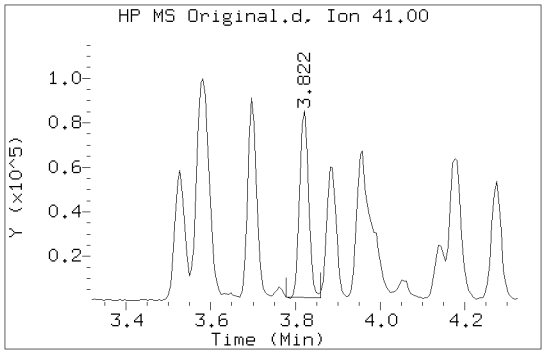
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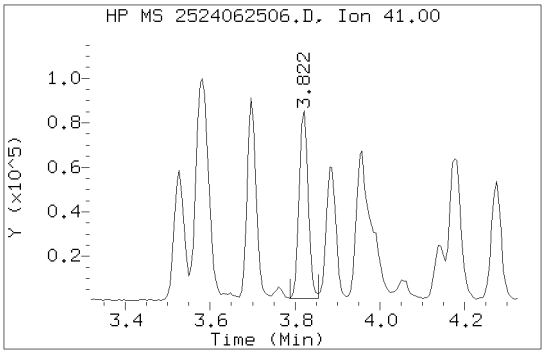
1-Chlorobutane (109-69-3)

Reason Code: I

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AFTER
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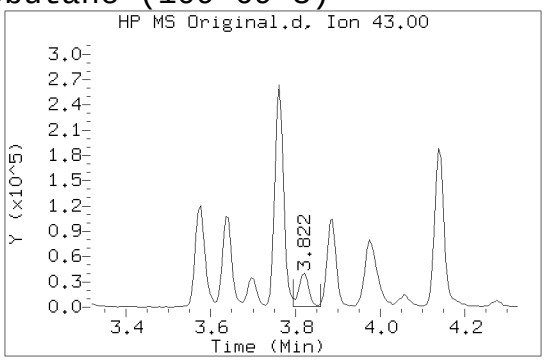


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LabSampID : 1236

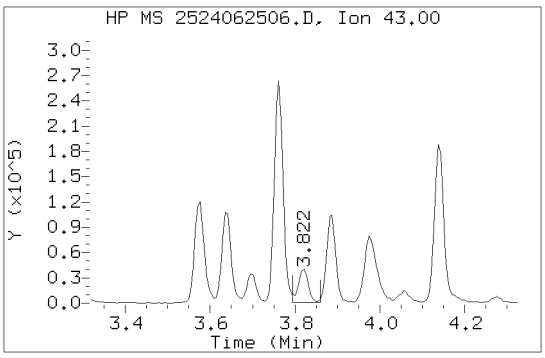
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Reason Code: I

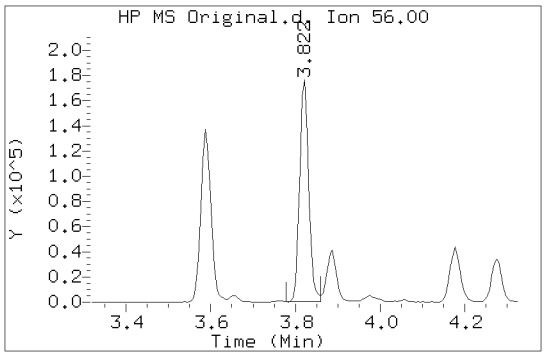
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25-Jun-2024
18:30



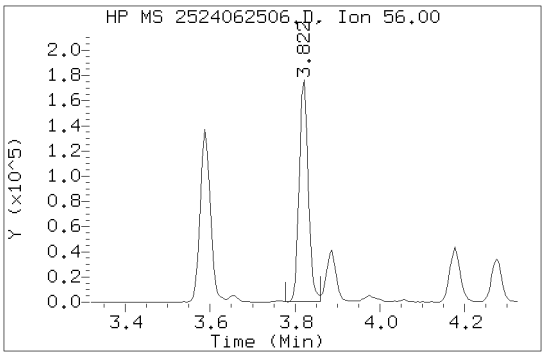
AFTER
MASS
43
AREA
66729
HEIGHT
39675
25-Jun-2024
19:31



BEFORE
MASS
56
AREA
263874
HEIGHT
176057
25-Jun-2024
18:30



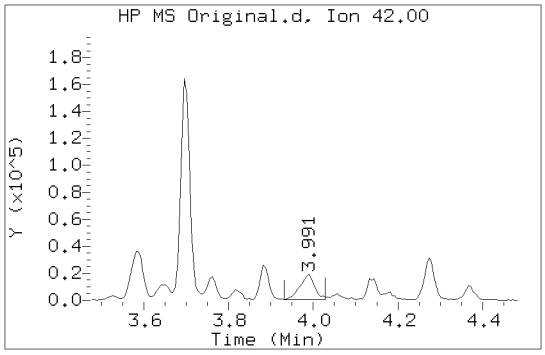
AFTER
MASS
56
AREA
263874
HEIGHT
176057
25-Jun-2024
19:31



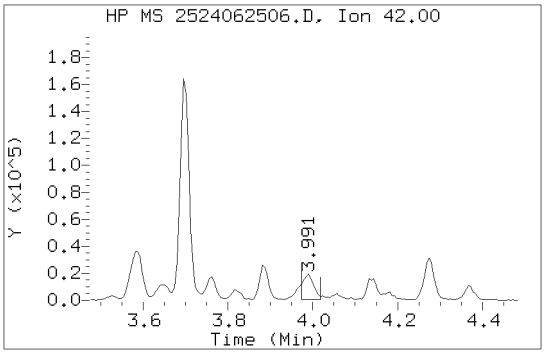
Isobutyl alcohol (78-83-1)

Reason Code: MP

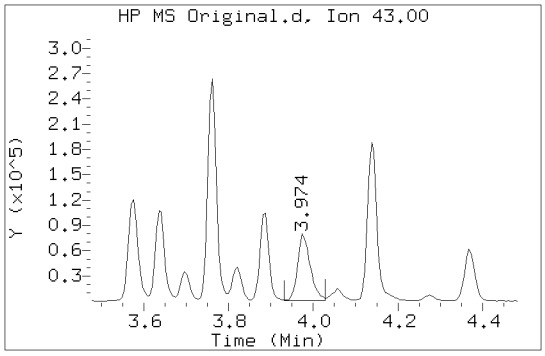
BEFORE
MASS
42
AREA
44994
HEIGHT
18890
25-Jun-2024
18:30



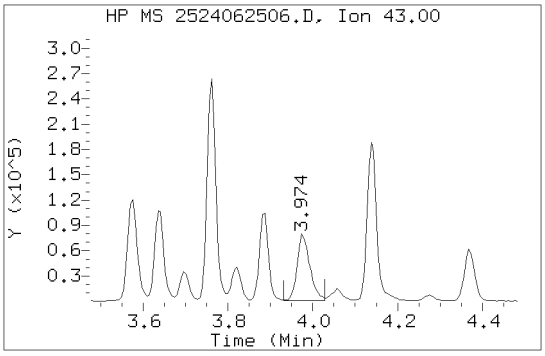
AFTER
MASS
42
AREA
34403
HEIGHT
19071
25-Jun-2024
19:31



BEFORE
MASS
43
AREA
162595
HEIGHT
78961
25-Jun-2024
18:30



AFTER
MASS
43
AREA
162595
HEIGHT
78961
25-Jun-2024
19:31



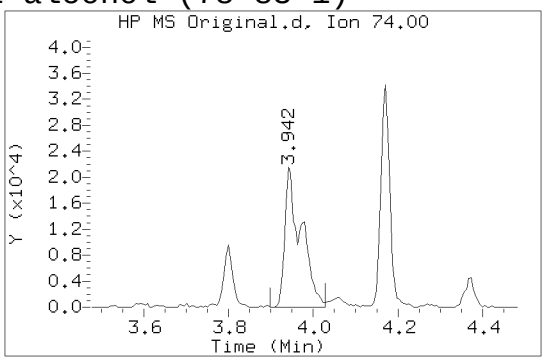
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Inj Date : 25-JUN-2024 12:04
InstruID : ms25.i
LabSampID : 1236

Isobutyl alcohol (78-83-1)

Reason Code: MP

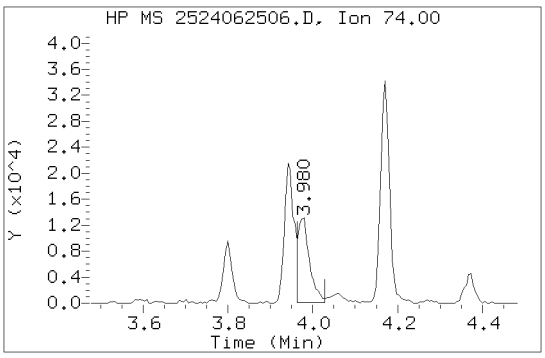
BEFORE

MASS
74
AREA
58007
HEIGHT
21560
25-Jun-2024
18:30



AFTER

MASS
74
AREA
25639
HEIGHT
13039
25-Jun-2024
19:31

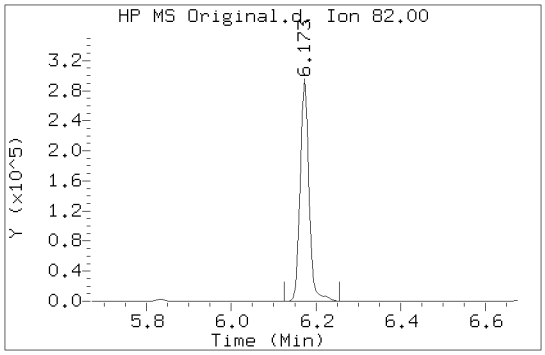


Chlorobenzene-d5 (3114-55-4)

Reason Code: MP

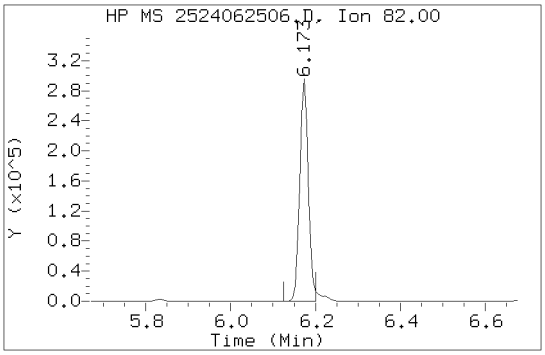
BEFORE

MASS
82
AREA
427444
HEIGHT
295680
25-Jun-2024
18:30



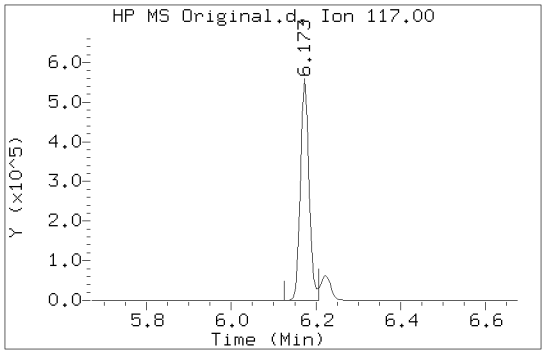
AFTER

MASS
82
AREA
413941
HEIGHT
295680
25-Jun-2024
19:31



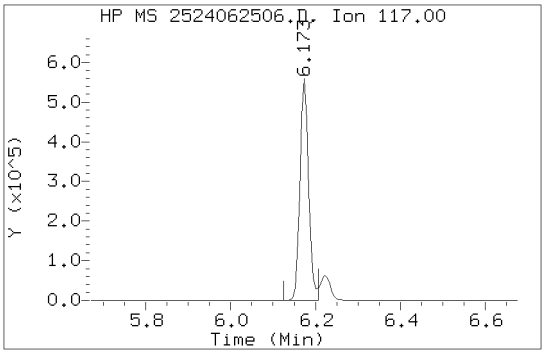
BEFORE

MASS
117
AREA
795410
HEIGHT
559168
25-Jun-2024
18:30



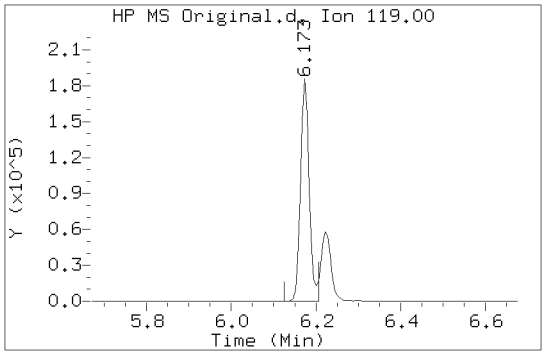
AFTER

MASS
117
AREA
795410
HEIGHT
559168
25-Jun-2024
19:31



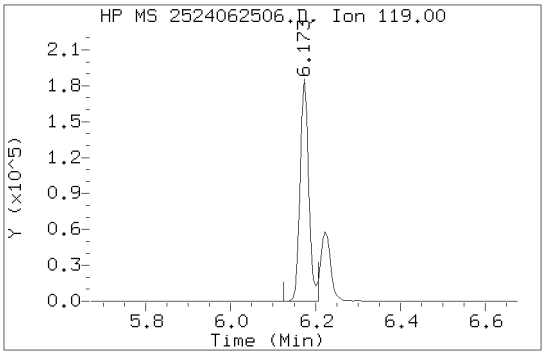
BEFORE

MASS
119
AREA
265514
HEIGHT
185728
25-Jun-2024
18:30



AFTER

MASS
119
AREA
265514
HEIGHT
185728
25-Jun-2024
19:31



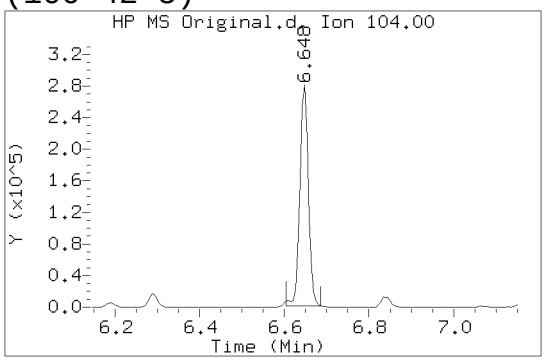
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Inj Date : 25-JUN-2024 12:04
InstruID : ms25.i
LabSampID : 1236

Styrene (100-42-5)

Reason Code: MP

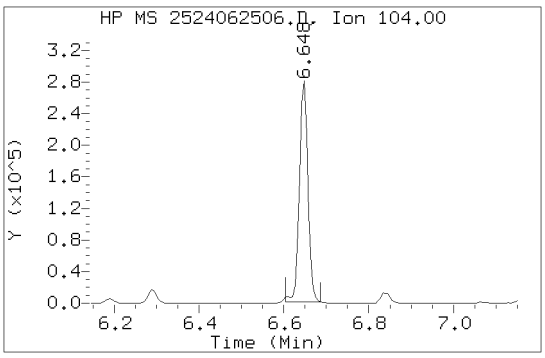
BEFORE

MASS
104
AREA
391500
HEIGHT
279792
25-Jun-2024
18:30



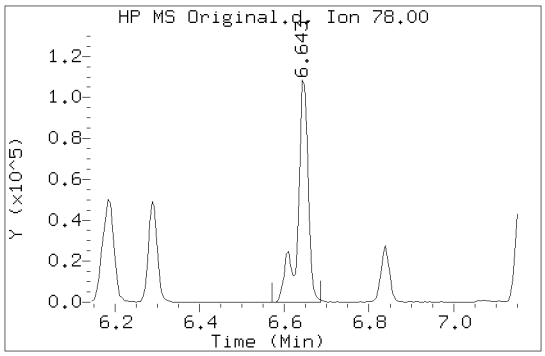
AFTER

MASS
104
AREA
391500
HEIGHT
279792
25-Jun-2024
19:31



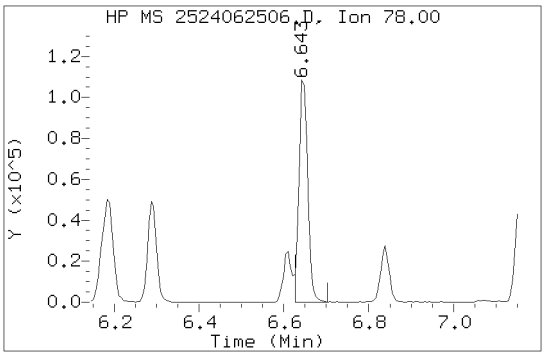
BEFORE

MASS
78
AREA
190610
HEIGHT
108552
25-Jun-2024
18:30



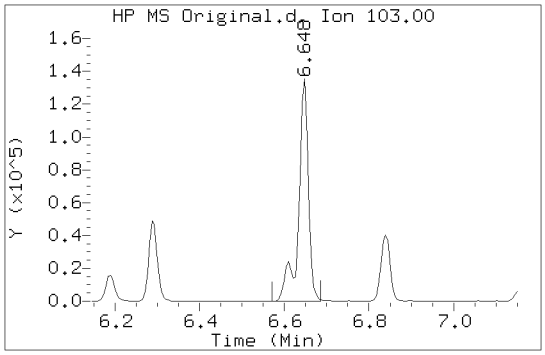
AFTER

MASS
78
AREA
157590
HEIGHT
108498
25-Jun-2024
19:31



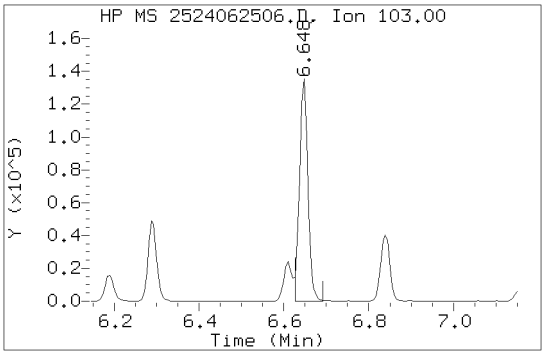
BEFORE

MASS
103
AREA
220134
HEIGHT
135360
25-Jun-2024
18:30



AFTER

MASS
103
AREA
187425
HEIGHT
135253
25-Jun-2024
19:31

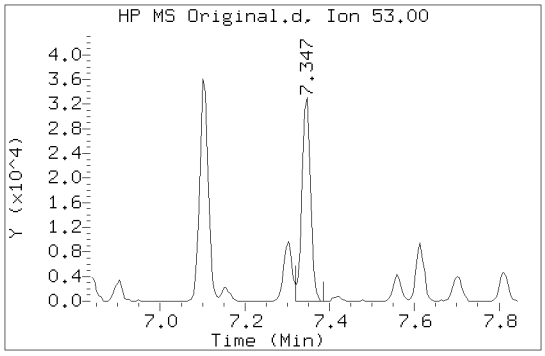


trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

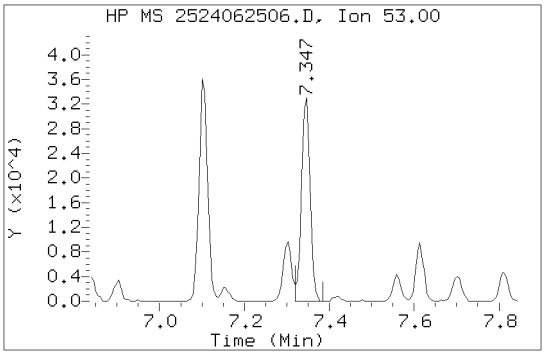
BEFORE

MASS
53
AREA
47099
HEIGHT
33112
25-Jun-2024
18:30



AFTER

MASS
53
AREA
47099
HEIGHT
33112
25-Jun-2024
19:31

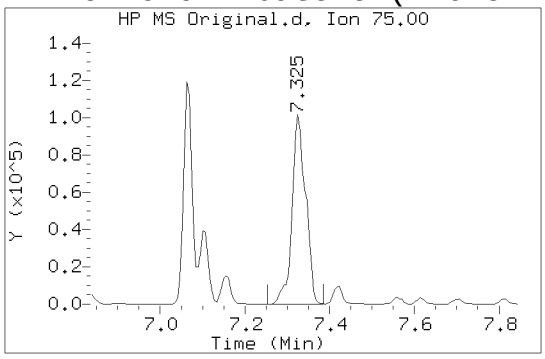


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Inj Date : 25-JUN-2024 12:04
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LabSampID : 1236

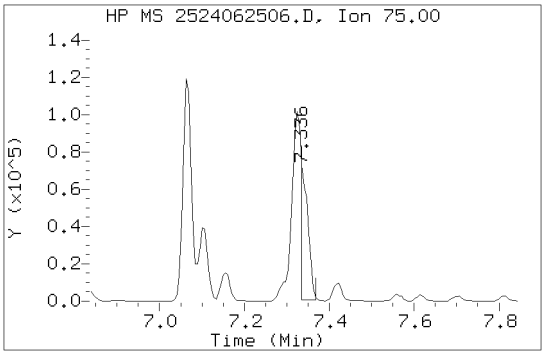
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

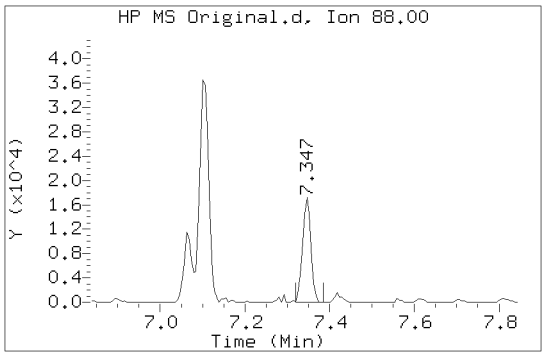
BEFORE
MASS
75
AREA
226916
HEIGHT
101592
25-Jun-2024
18:30



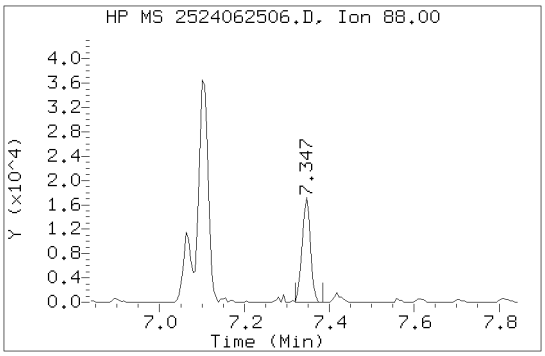
AFTER
MASS
75
AREA
82393
HEIGHT
72327
25-Jun-2024
19:31



BEFORE
MASS
88
AREA
23401
HEIGHT
17216
25-Jun-2024
18:30



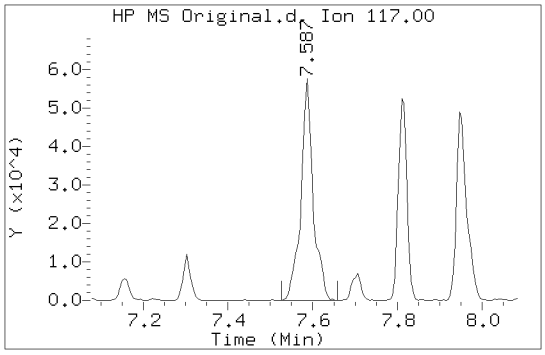
AFTER
MASS
88
AREA
23401
HEIGHT
17216
25-Jun-2024
19:31



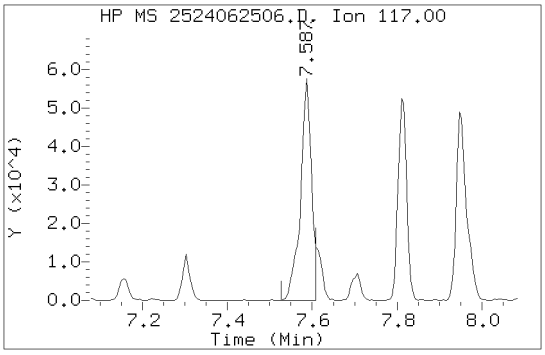
Pentachloroethane (76-01-7)

Reason Code: MP

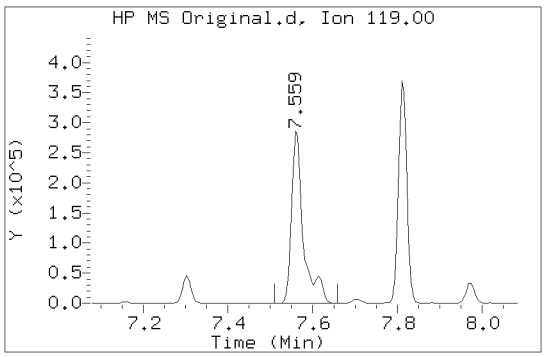
BEFORE
MASS
117
AREA
115930
HEIGHT
57624
25-Jun-2024
18:30



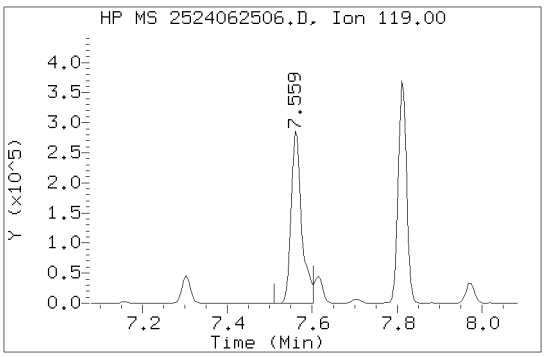
AFTER
MASS
117
AREA
104294
HEIGHT
57624
25-Jun-2024
19:31



BEFORE
MASS
119
AREA
557519
HEIGHT
285888
25-Jun-2024
18:30



AFTER
MASS
119
AREA
503478
HEIGHT
285888
25-Jun-2024
19:31



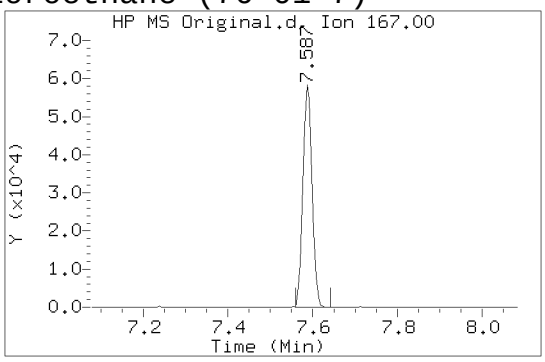
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Inj Date : 25-JUN-2024 12:04
InstruID : ms25.i
LabSampID : 1236

Pentachloroethane (76-01-7)

Reason Code: MP

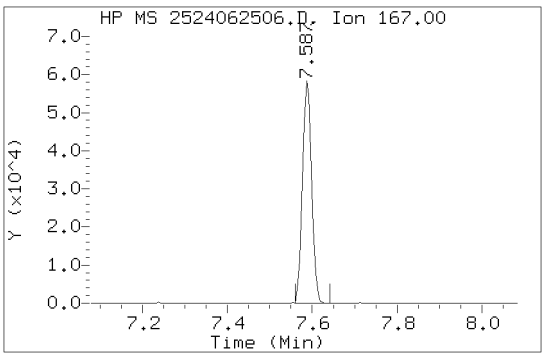
BEFORE

MASS
167
AREA
87791
HEIGHT
58336
25-Jun-2024
18:30



AFTER

MASS
167
AREA
87791
HEIGHT
58336
25-Jun-2024
19:31

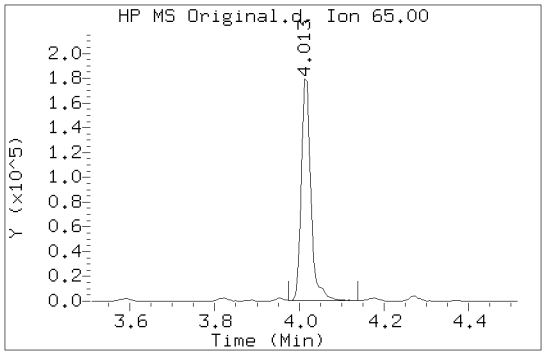


1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

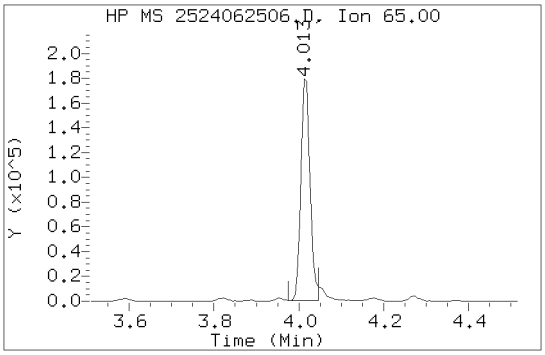
BEFORE

MASS
65
AREA
283179
HEIGHT
179074
25-Jun-2024
18:30



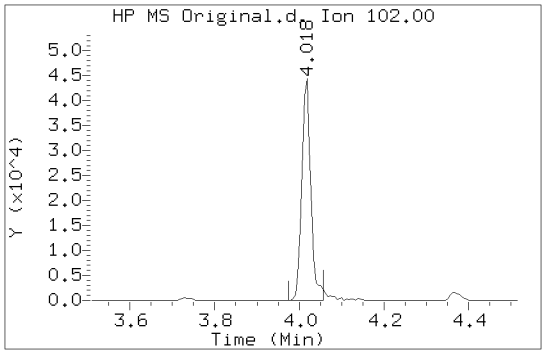
AFTER

MASS
65
AREA
270413
HEIGHT
179074
25-Jun-2024
19:31



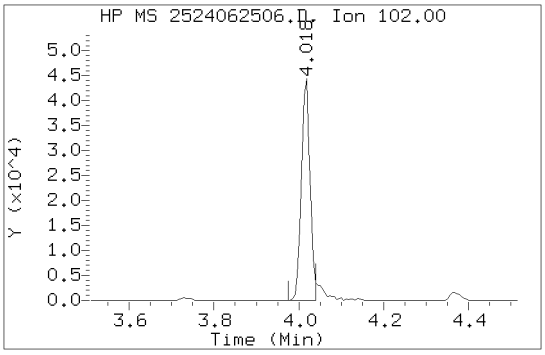
BEFORE

MASS
102
AREA
65943
HEIGHT
44392
25-Jun-2024
18:30



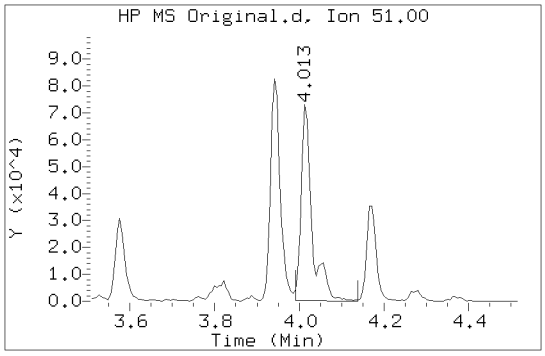
AFTER

MASS
102
AREA
63278
HEIGHT
44392
25-Jun-2024
19:31



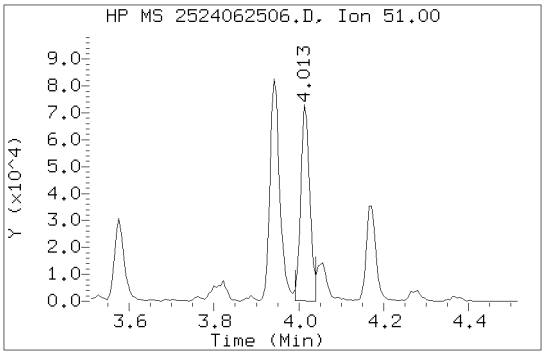
BEFORE

MASS
51
AREA
132627
HEIGHT
73037
25-Jun-2024
18:30



AFTER

MASS
51
AREA
109122
HEIGHT
73037
25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 12:04
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062507.D
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062507.D
Lab Smp Id: 1237
Inj Date : 25-JUN-2024 12:24
Operator : ILY Inst ID: ms25.i
Smp Info : 1237;;1;1;4;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\25-8260b09.m
Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	626482	50.0000	49.5188	
2	Chloromethane	50	1.644	1.645	(0.394)	540092	50.0000	48.8810	
3	Vinyl Chloride	62	1.704	1.705	(0.409)	708017	50.0000	49.5047	
4	Bromomethane	94	1.923	1.923	(0.461)	348305	50.0000	50.8873	
5	Chloroethane	64	2.004	2.005	(0.481)	473353	50.0000	48.9920	
6	Pentane	41	2.092	2.092	(0.502)	429548	50.0000	48.1516	
7	Trichlorofluoromethane	101	2.097	2.103	(0.503)	967150	50.0000	49.3694	
8	Dichlorofluoromethane	67	2.124	2.125	(0.509)	977801	50.0000	53.9430	
9	Ethyl Ether	74	2.277	2.278	(0.546)	298493	50.0000	54.1514	
10	1,1-Dichloroethene	61	2.414	2.409	(0.579)	575051	50.0000	52.2802	
11	Freon 113	101	2.425	2.425	(0.581)	405953	50.0000	52.4723	
12	Carbon Disulfide	76	2.446	2.447	(0.587)	1276822	50.0000	53.8113	
13	Iodomethane	127	2.506	2.507	(0.601)	202377	50.0000	47.4853(M)	I
14	Acrolein	56	2.599	2.600	(0.623)	464121	250.000	261.595(A)	
15	Isopropyl Alcohol	45	2.654	2.654	(0.636)	143259	250.000	246.986(A)	
16	3-Chloro-1-propene	41	2.676	2.676	(0.642)	502818	50.0000	52.4523	
17	Methylene Chloride	84	2.741	2.741	(0.657)	478779	50.0000	53.2878	
18	Acetone	58	2.752	2.752	(0.660)	251793	250.000	252.945(A)	
19	Methyl acetate	74	2.817	2.812	(0.676)	106383	50.0000	52.0435	
20	trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	585851	50.0000	54.3804	
21	Hexane	57	2.866	2.867	(0.687)	870351	50.0000	48.5594	

Data File: 2524062507.D
Report Date: 25-Jun-2024 19:32

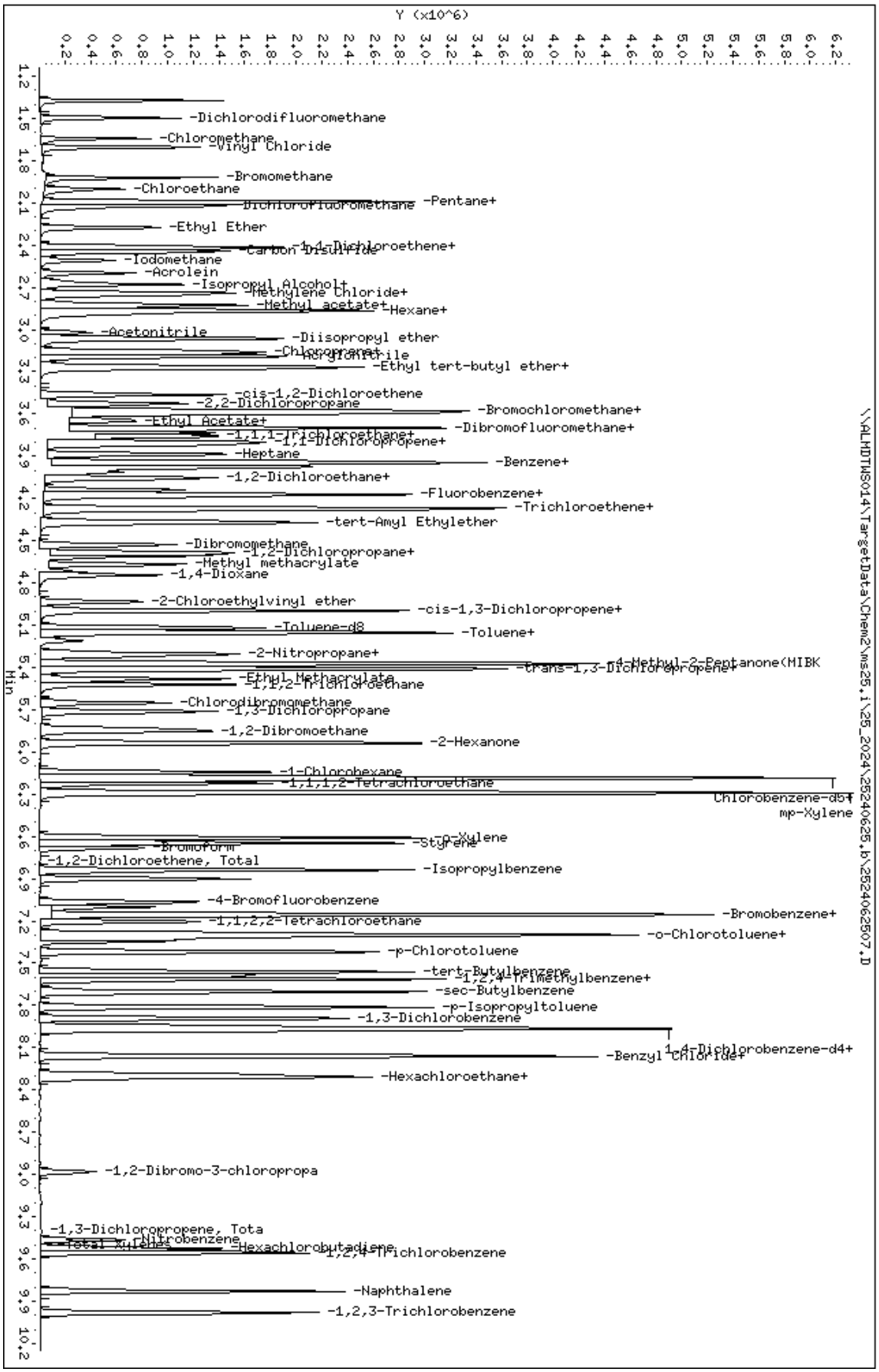
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	1393184	50.0000	50.4055	
	23 tert.- Butyl Alcohol	59	2.894	2.889	(0.694)	269513	250.000	271.210(A)	
	24 Acetonitrile	41	3.019	3.020	(0.724)	302780	250.000	272.006(AM)	I
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	1308855	50.0000	54.7418	
	26 Chloroprene	53	3.156	3.156	(0.757)	670182	50.0000	55.2871	
	27 1,1-Dichloroethane	63	3.172	3.167	(0.761)	802466	50.0000	54.6742	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	1064988	250.000	278.611(AM)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	1408293	50.0000	55.4575	
	30 n-Propanol	41	3.265	3.260	(0.783)	237482	500.000	504.166(A)	
	31 Vinyl Acetate	86	3.276	3.276	(0.785)	126310	50.0000	50.4145	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	591362	50.0000	54.1368	
	33 2,2-Dichloropropane	77	3.527	3.522	(0.846)	621193	50.0000	53.1030	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	268442	50.0000	56.9861	
	35 Cyclohexane	84	3.587	3.587	(0.860)	675442	50.0000	51.5333	
	36 Chloroform	83	3.598	3.598	(0.863)	859409	50.0000	54.2399	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	472909	50.0000	49.7769	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	476529	50.0000	54.1748	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	556541	50.0000	47.7742(M)	MP
$	41 Dibromofluoromethane	113	3.701	3.707	(0.887)	270997	30.0000	30.0385	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	715886	250.000	266.220(A)	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	676102	50.0000	54.8220	
	43 2-Butanone	72	3.761	3.767	(0.902)	342451	250.000	263.431(AM)	MP
	44 1,1-Dichloropropene	75	3.800	3.800	(0.911)	631378	50.0000	54.1229	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	375025	50.0000	49.9907(M)	I
	46 Heptane	71	3.887	3.887	(0.932)	333893	50.0000	49.2649	
	47 Benzene	78	3.941	3.942	(0.945)	1864401	50.0000	51.9969	
	48 Propionitrile	54	3.941	3.942	(0.945)	402346	250.000	277.963(A)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	238979	50.0000	55.0754	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	1354755	50.0000	55.2670	
	54 Isobutyl alcohol	42	3.991	3.980	(0.957)	96464	500.000	437.479(AM)	MP
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	275529	30.0000	28.9719(M)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	601015	50.0000	53.3210	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	203990	250.000	267.550(A)	
*	55 Fluorobenzene	96	4.171	4.171	(1.000)	1143383	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	1061231	50.0000	47.8757	
	57 Trichloroethene	95	4.269	4.269	(1.024)	484631	50.0000	53.4046	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	739867	50.0000	51.7277	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	1054026	50.0000	49.3327	
	60 Dibromomethane	93	4.525	4.526	(1.085)	316536	50.0000	55.1767	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	467339	50.0000	54.1545	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	593498	50.0000	49.4511	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	375084	50.0000	54.9186	
	64 1,4-Dioxane	88	4.716	4.722	(1.131)	176416	1250.00	1320.58(A)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	300617	50.0000	47.6165	
	66 cis-1,3-Dichloropropene	75	4.995	4.995	(0.809)	767185	50.0000	51.4196	
	67 Octane	85	5.000	5.000	(0.810)	282195	50.0000	52.0345	
$	68 Toluene-d8	98	5.115	5.120	(0.829)	1034239	30.0000	29.6246	
	69 Toluene	92	5.153	5.153	(0.835)	1143510	50.0000	51.6780	
	70 Chloroacetonitrile	75	5.207	5.208	(0.844)	159860	250.000	289.804(A)	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	593939	250.000	244.811(A)	
	72 1,1-Dichloro-2-Propanone	63	5.316	5.317	(0.861)	56995	250.000	243.015(A)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	2330999	250.000	266.689(A)	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	694418	50.0000	50.2673	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	434379	50.0000	53.9104	

Data File: 2524062507.D
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
76	Ethyl Methacrylate	69	5.480	5.481	(0.888)	687236	50.0000	51.5180	
77	1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	377593	50.0000	55.5399(M)	I
78	Chlorodibromomethane	129	5.649	5.650	(0.915)	487189	50.0000	50.5479	
79	1,3-Dichloropropane	76	5.715	5.710	(0.926)	754617	50.0000	56.1784	
80	1,2-Dibromoethane	107	5.829	5.830	(0.944)	464742	50.0000	51.3501	
81	2-Hexanone	43	5.933	5.933	(0.961)	1586898	250.000	264.643(A)	
82	1-Chlorohexane	91	6.146	6.146	(0.996)	643857	50.0000	55.3101	
* 83	Chlorobenzene-d5	82	6.173	6.174	(1.000)	440953	30.0000		
84	Chlorobenzene	112	6.184	6.184	(1.002)	1244553	50.0000	55.1920	
85	Ethylbenzene	106	6.189	6.190	(1.003)	661770	50.0000	50.1941	
86	1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	438151	50.0000	51.4526	
87	mp-Xylene	106	6.288	6.288	(1.019)	1603689	100.000	102.462	
88	o-Xylene	106	6.610	6.610	(1.071)	773279	50.0000	51.5309	
89	Styrene	104	6.648	6.648	(0.836)	1227060	50.0000	48.6117(M)	I
90	Bromoform	173	6.681	6.686	(0.840)	330003	50.0000	46.3030	
91	Isopropylbenzene	105	6.839	6.839	(0.860)	1751429	50.0000	49.7675	
M 100	1,2-Dichloroethene, Total	61				1177213	100.000	108.517	
$ 92	4-Bromofluorobenzene	174	7.068	7.068	(0.889)	333940	30.0000	28.2793	
93	Bromobenzene	156	7.155	7.156	(0.900)	531635	50.0000	52.6787	
94	n-Propylbenzene	120	7.155	7.156	(0.900)	543408	50.0000	52.6568	
95	1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	552178	50.0000	55.0487	
96	o-Chlorotoluene	91	7.292	7.292	(0.917)	1435543	50.0000	52.8720	
97	1,3,5-Trimethylbenzene	105	7.303	7.303	(0.918)	1501540	50.0000	52.2803	
98	1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	171874	50.0000	53.1264	
99	trans-1,4-Dichloro-2-butene	53	7.346	7.341	(0.924)	149889	50.0000	48.7036(M)	MP
101	p-Chlorotoluene	91	7.417	7.418	(0.933)	1318356	50.0000	53.6064	
102	tert-Butylbenzene	134	7.559	7.559	(0.951)	375749	50.0000	54.7011	
103	Pentachloroethane	117	7.586	7.581	(0.954)	332675	50.0000	48.2392(M)	MP
104	1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	1510193	50.0000	49.6560	
105	sec-Butylbenzene	105	7.701	7.707	(0.968)	1923591	50.0000	54.1902	
106	p-Isopropyltoluene	134	7.810	7.816	(0.982)	438683	50.0000	53.9663	
107	1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	913731	50.0000	53.7418	
* 108	1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	426848	30.0000		
109	1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	937340	50.0000	52.8905	
110	Benzyl Chloride	126	8.159	8.160	(1.026)	194577	50.0000	45.8459	
111	n-Butylbenzene	134	8.159	8.160	(1.026)	391628	50.0000	51.5539	
112	Hexachloroethane	117	8.290	8.285	(1.043)	284589	50.0000	46.7465	
113	1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	869762	50.0000	53.7034	
114	1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	86909	50.0000	45.3439	
115	Nitrobenzene	77	9.463	9.464	(1.190)	289112	500.000	463.590(A)	
116	Hexachlorobutadiene	225	9.529	9.524	(1.198)	257277	50.0000	48.0265	
M 120	1,3-Dichloropropene, Total	75				1461603	100.000	101.687	
117	1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	580629	50.0000	54.1363	
M 121	Total Xylenes	106				2376968	150.000	153.993	
118	Naphthalene	128	9.829	9.829	(1.236)	1514181	50.0000	48.0426	
119	1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	573042	50.0000	47.5666	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

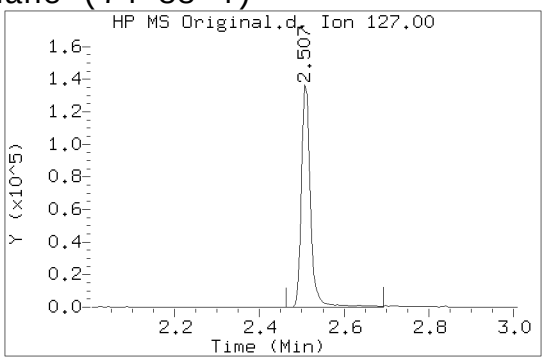

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Pentane+
-Ethyl Ether
-Carbon Disulfide
-Iodomethane
-Acrolein
-Isopropyl Alcohol+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile
-Diisopropyl ether
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Ethyl Acetate+
-Dibromofluoromethane+
-Heptane
-Benzene+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-1,4-Dioxane
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8
-Toluene+
-2-Nitropropane+
-trans-1,3-Dichloropropene+
-4-Methyl-2-Pentanone(MIBK
-Ethyl Methacrylate
-1,1,2-Trichloroethane
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-1,3-Dichloropropane
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-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
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-o-Xylene
-Styrene
-Bromoform
-1,2-Dichloroethene, Total
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
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-p-Chlorotoluene
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-1,2,4-Trimethylbenzene+
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-p-Isopropyltoluene
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-Benzyl Chloride+
-Hexachloroethane+
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-1,2,4-Trichlorobenzene
-Naphthalene
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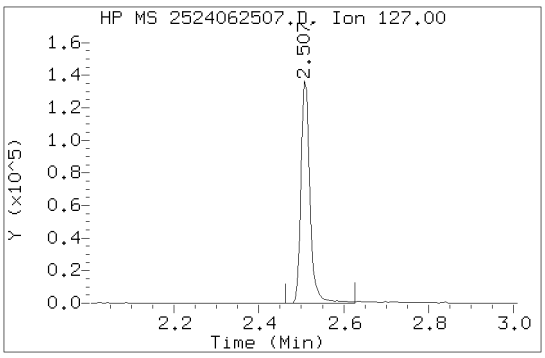
Iodomethane (74-88-4)

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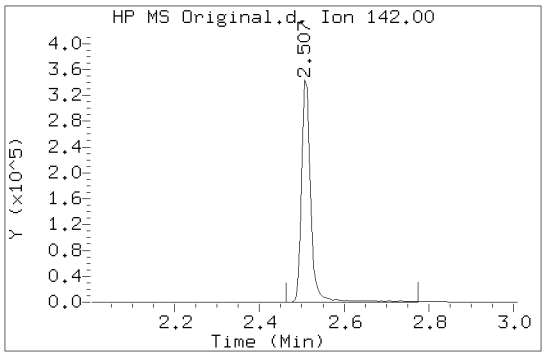
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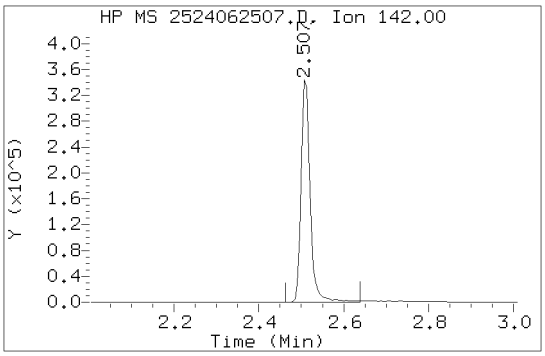
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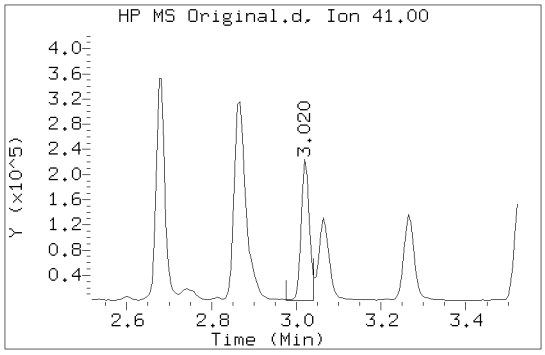
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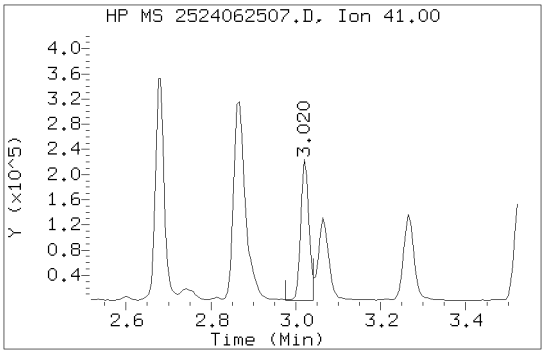
Acetonitrile (75-05-8)

Reason Code: I

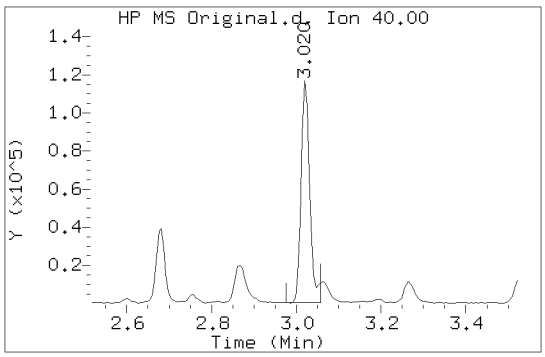
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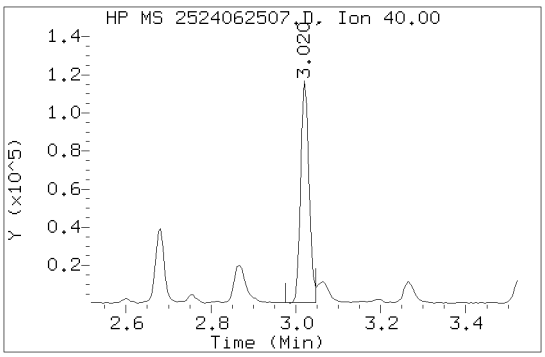
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BEFORE
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AFTER
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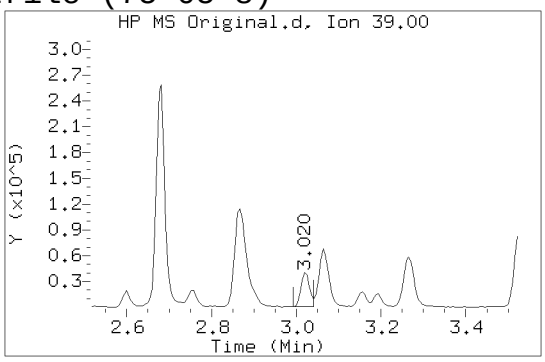
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Acetonitrile (75-05-8)

Reason Code: I

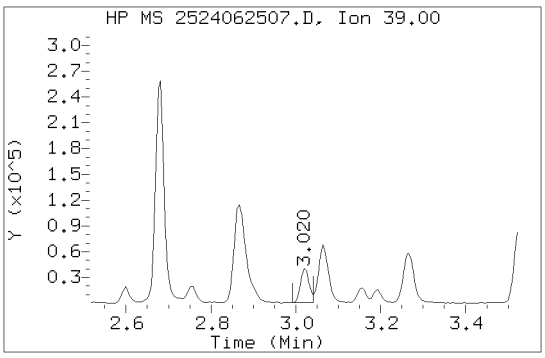
BEFORE

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AFTER

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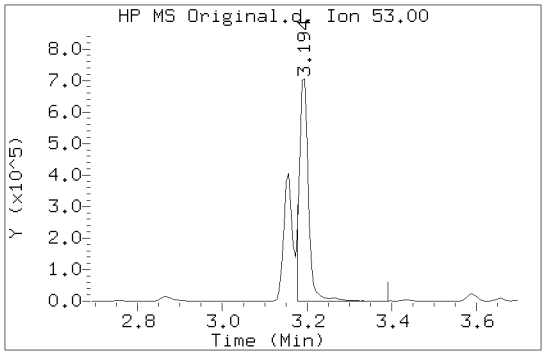


Acrylonitrile (107-13-1)

Reason Code: MP

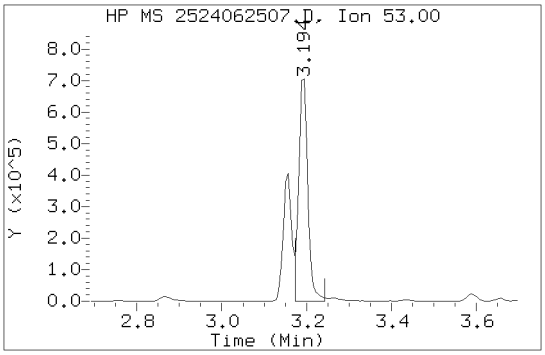
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25-Jun-2024
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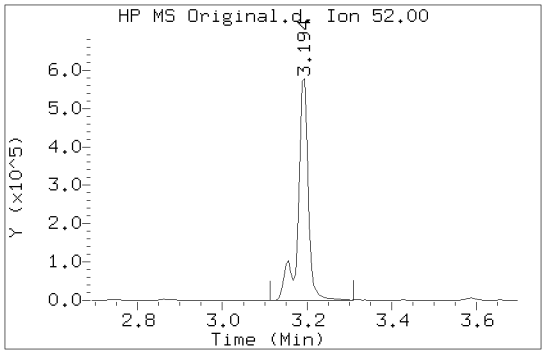
AFTER

MASS
53
AREA
1064988
HEIGHT
704002
25-Jun-2024
19:31



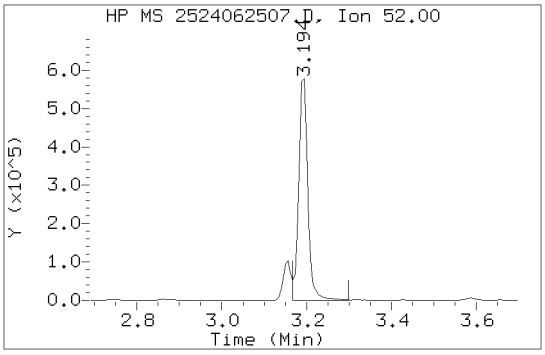
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52
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989130
HEIGHT
577664
25-Jun-2024
18:13



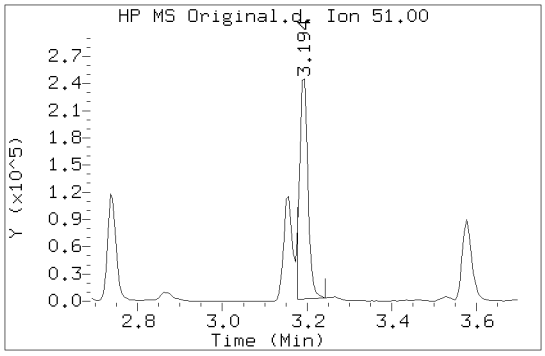
AFTER

MASS
52
AREA
866008
HEIGHT
577577
25-Jun-2024
19:31



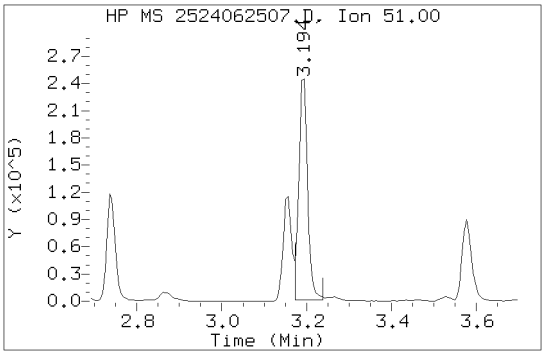
BEFORE

MASS
51
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335909
HEIGHT
242661
25-Jun-2024
18:13



AFTER

MASS
51
AREA
355694
HEIGHT
243801
25-Jun-2024
19:31

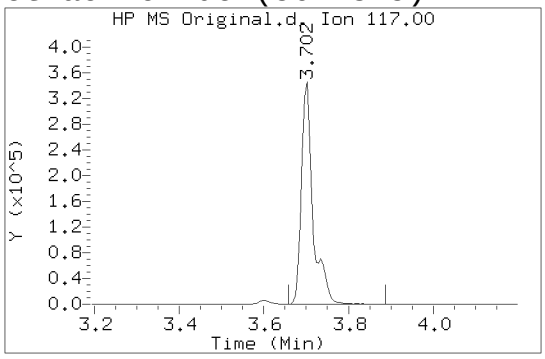


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Inj Date : 25-JUN-2024 12:24
InstruID : ms25.i
LabSampID : 1237

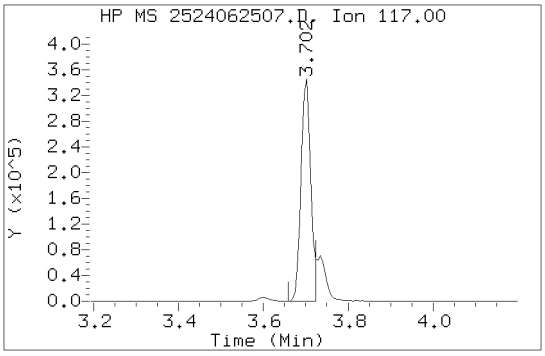
Carbon Tetrachloride (56-23-5)

Reason Code: MP

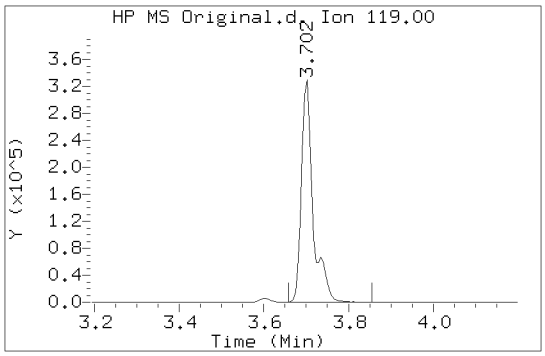
BEFORE
MASS
117
AREA
658697
HEIGHT
345856
25-Jun-2024
18:13



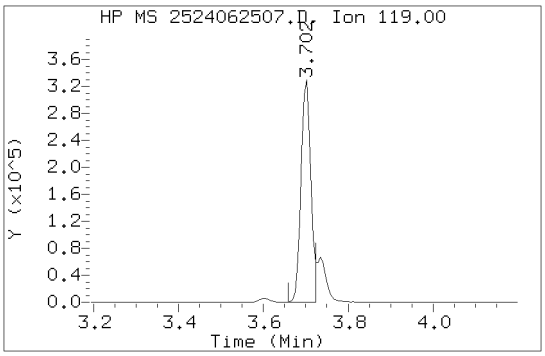
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117
AREA
556541
HEIGHT
345856
25-Jun-2024
19:31



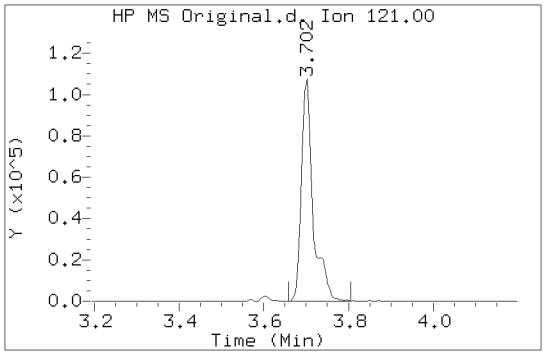
BEFORE
MASS
119
AREA
632625
HEIGHT
329472
25-Jun-2024
18:13



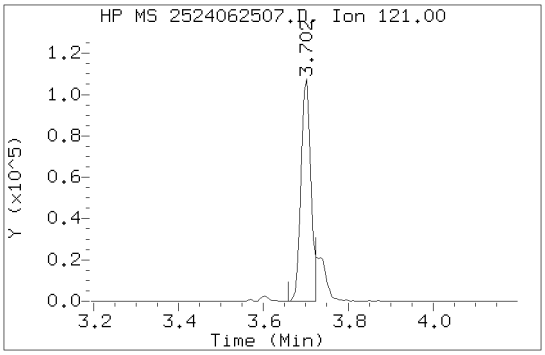
AFTER
MASS
119
AREA
535486
HEIGHT
329472
25-Jun-2024
19:31



BEFORE
MASS
121
AREA
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HEIGHT
107576
25-Jun-2024
18:13



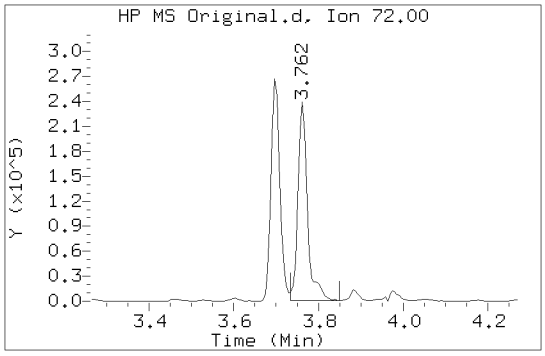
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121
AREA
175053
HEIGHT
107576
25-Jun-2024
19:31



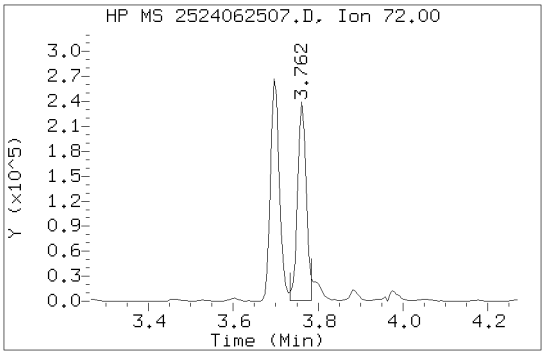
2-Butanone (78-93-3)

Reason Code: MP

BEFORE
MASS
72
AREA
377066
HEIGHT
239051
25-Jun-2024
18:13



AFTER
MASS
72
AREA
342451
HEIGHT
239051
25-Jun-2024
19:31



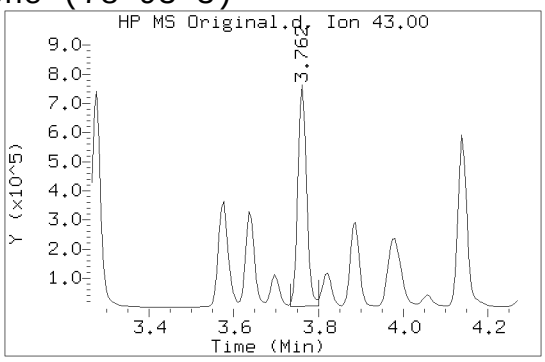
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Inj Date : 25-JUN-2024 12:24
InstruID : ms25.i
LabSampID : 1237

2-Butanone (78-93-3)

Reason Code: MP

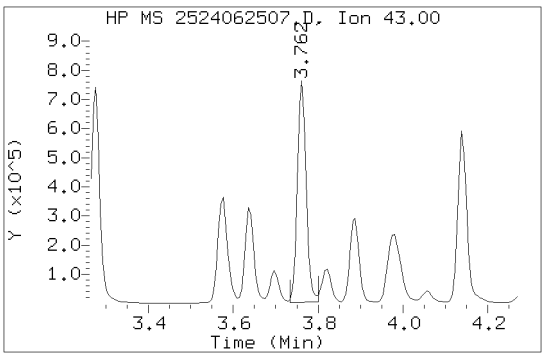
BEFORE

MASS
43
AREA
1100991
HEIGHT
759909
25-Jun-2024
18:13



AFTER

MASS
43
AREA
1100991
HEIGHT
759909
25-Jun-2024
19:31

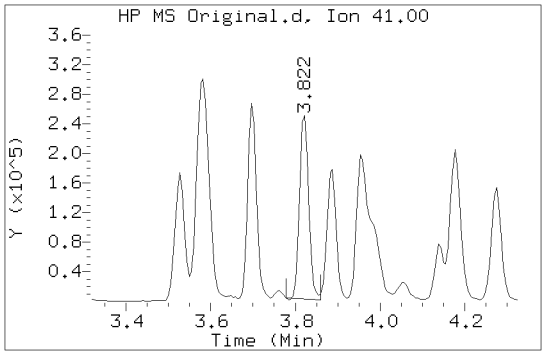


1-Chlorobutane (109-69-3)

Reason Code: I

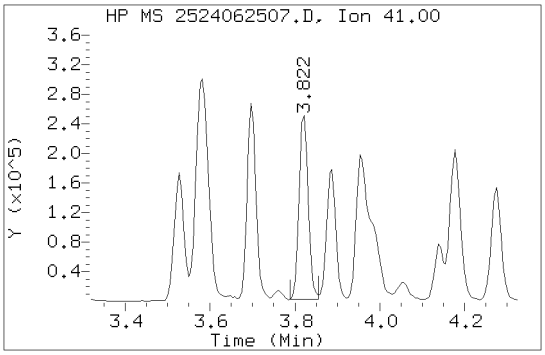
BEFORE

MASS
41
AREA
374876
HEIGHT
248504
25-Jun-2024
18:13



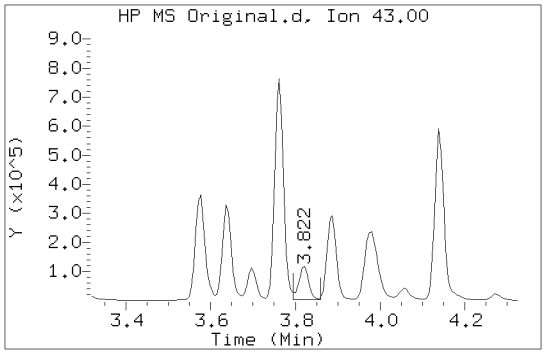
AFTER

MASS
41
AREA
375025
HEIGHT
248948
25-Jun-2024
19:31



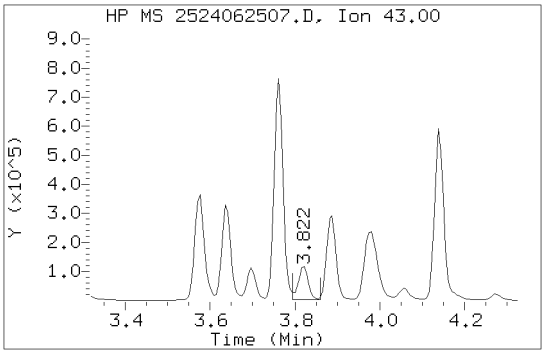
BEFORE

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43
AREA
195215
HEIGHT
115255
25-Jun-2024
18:13



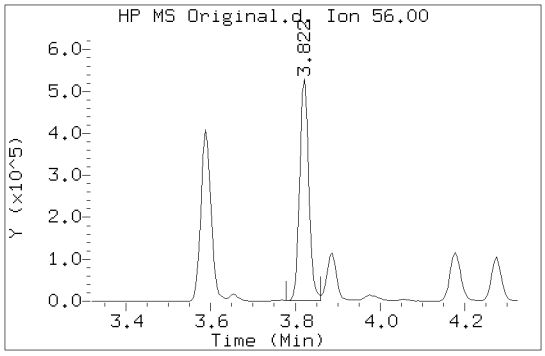
AFTER

MASS
43
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HEIGHT
115255
25-Jun-2024
19:31



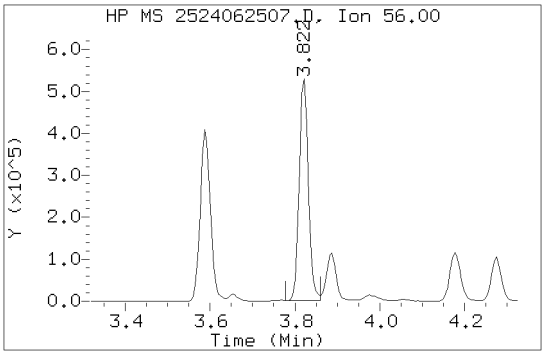
BEFORE

MASS
56
AREA
796493
HEIGHT
529078
25-Jun-2024
18:13



AFTER

MASS
56
AREA
796493
HEIGHT
529078
25-Jun-2024
19:31

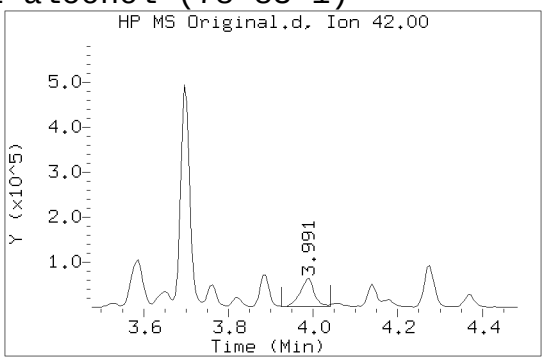


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LabSampID : 1237

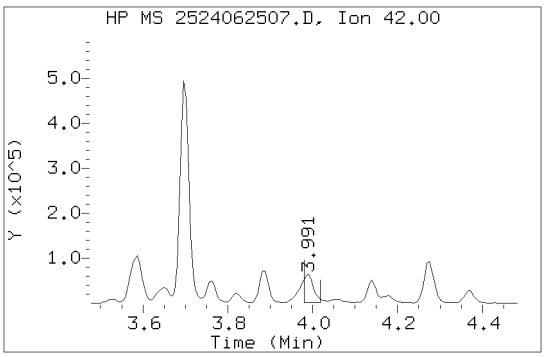
Isobutyl alcohol (78-83-1)

Reason Code: MP

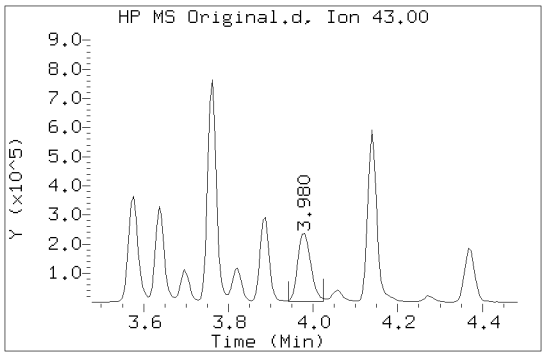
BEFORE
MASS
42
AREA
146510
HEIGHT
62573
25-Jun-2024
18:13



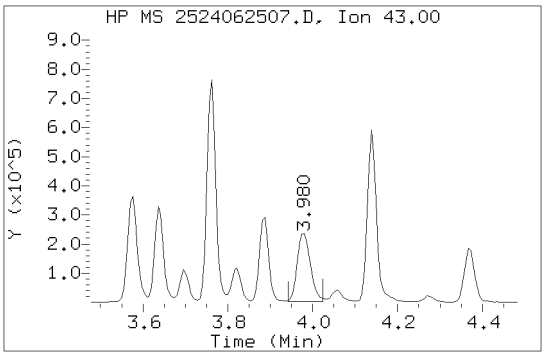
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42
AREA
96464
HEIGHT
61948
25-Jun-2024
19:31



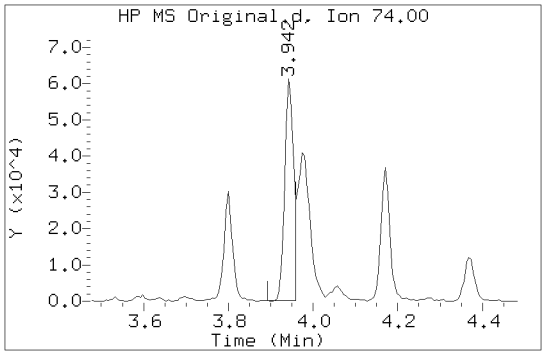
BEFORE
MASS
43
AREA
513535
HEIGHT
235532
25-Jun-2024
18:13



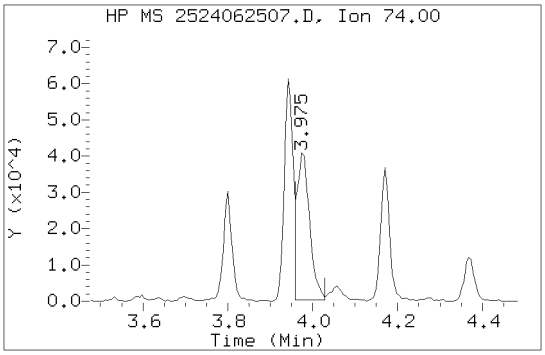
AFTER
MASS
43
AREA
513535
HEIGHT
235532
25-Jun-2024
19:31



BEFORE
MASS
74
AREA
89775
HEIGHT
61104
25-Jun-2024
18:13



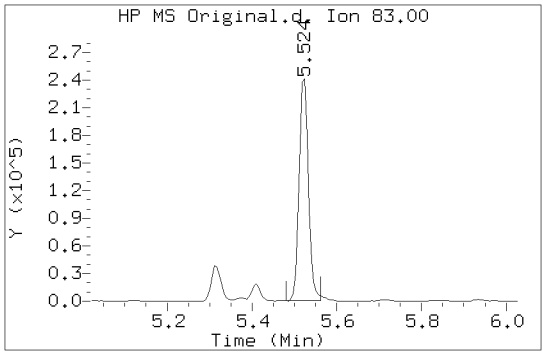
AFTER
MASS
74
AREA
88150
HEIGHT
40518
25-Jun-2024
19:31



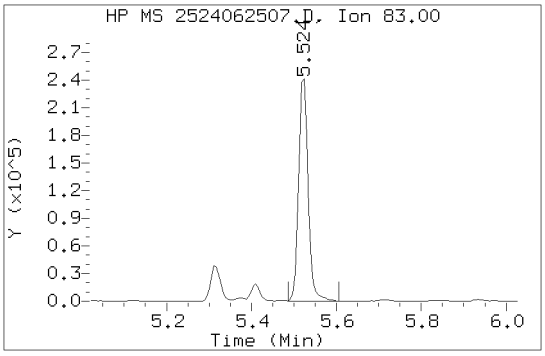
1,1,2-Trichloroethane (79-00-5)

Reason Code: I

BEFORE
MASS
83
AREA
370462
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25-Jun-2024
18:13



AFTER
MASS
83
AREA
377593
HEIGHT
241170
25-Jun-2024
19:31

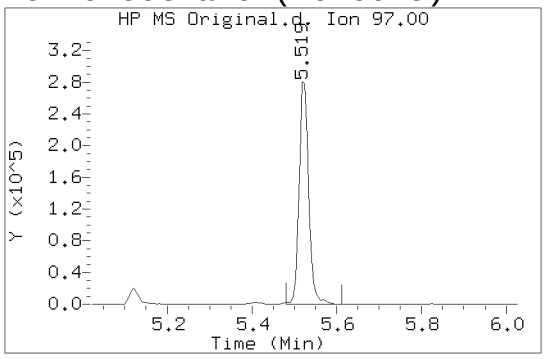


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LabSampID : 1237

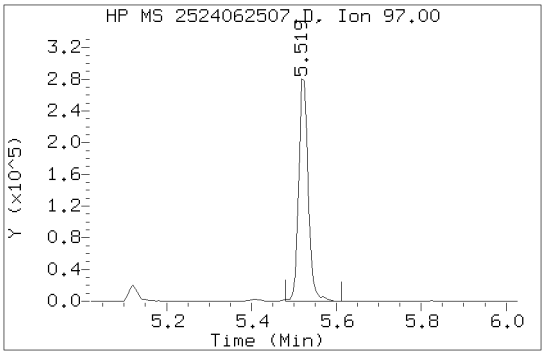
1,1,2-Trichloroethane (79-00-5)

Reason Code: I

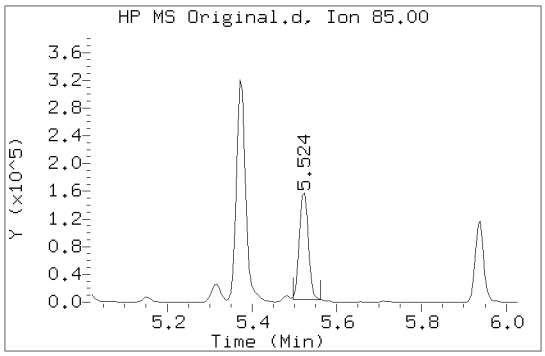
BEFORE
MASS
97
AREA
440302
HEIGHT
280320
25-Jun-2024
18:13



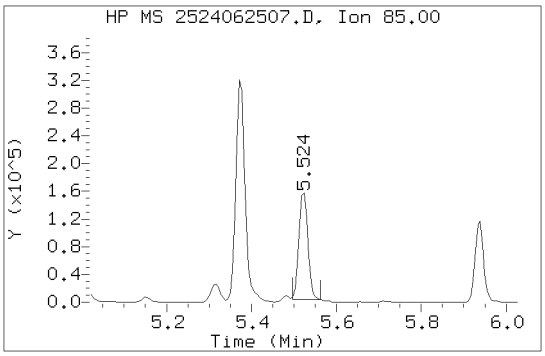
AFTER
MASS
97
AREA
440302
HEIGHT
280320
25-Jun-2024
19:31



BEFORE
MASS
85
AREA
231090
HEIGHT
154322
25-Jun-2024
18:13



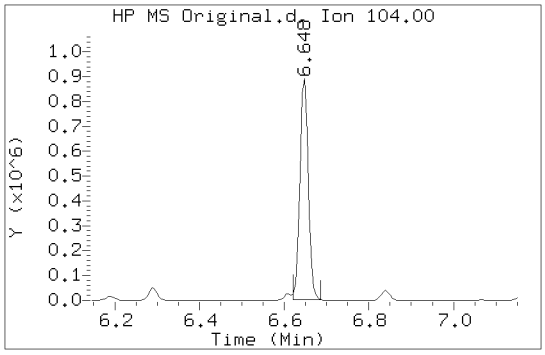
AFTER
MASS
85
AREA
231090
HEIGHT
154322
25-Jun-2024
19:31



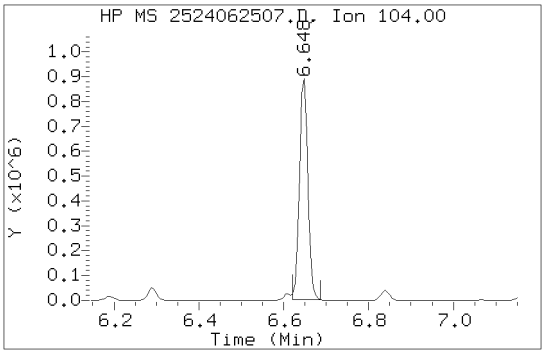
Styrene (100-42-5)

Reason Code: I

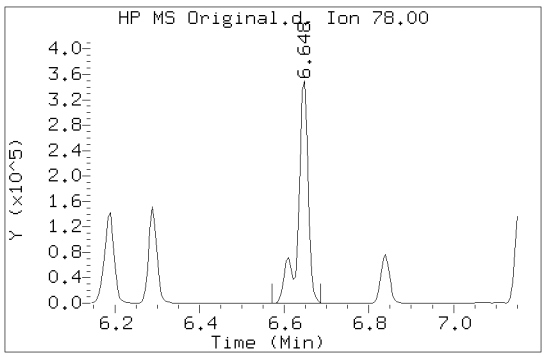
BEFORE
MASS
104
AREA
1227060
HEIGHT
888636
25-Jun-2024
18:13



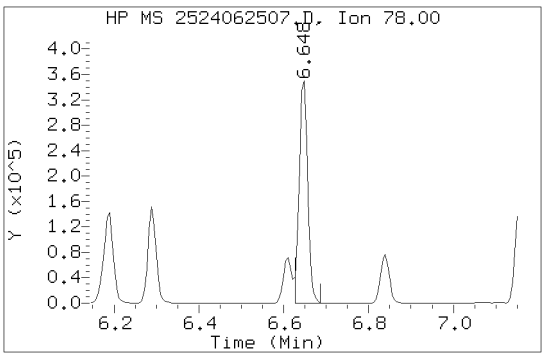
AFTER
MASS
104
AREA
1227060
HEIGHT
888636
25-Jun-2024
19:31



BEFORE
MASS
78
AREA
590646
HEIGHT
349696
25-Jun-2024
18:13



AFTER
MASS
78
AREA
490491
HEIGHT
349493
25-Jun-2024
19:31



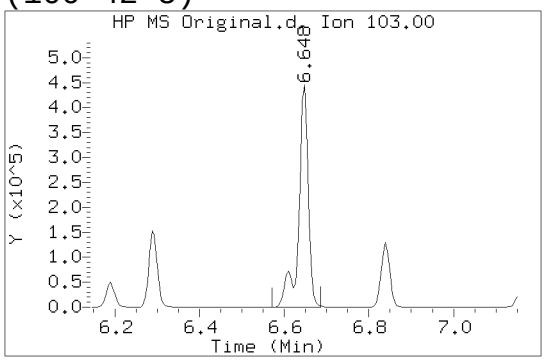
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InstruID : ms25.i
LabSampID : 1237

Styrene (100-42-5)

Reason Code: I

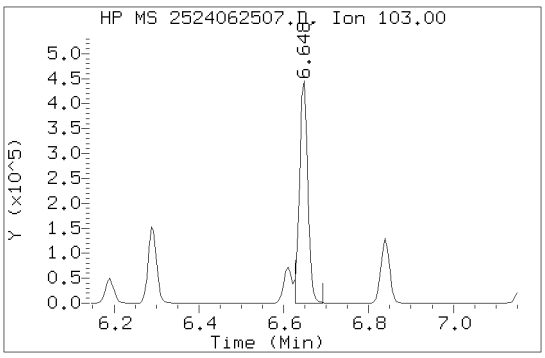
BEFORE

MASS
103
AREA
706899
HEIGHT
445440
25-Jun-2024
18:13



AFTER

MASS
103
AREA
608627
HEIGHT
445294
25-Jun-2024
19:31

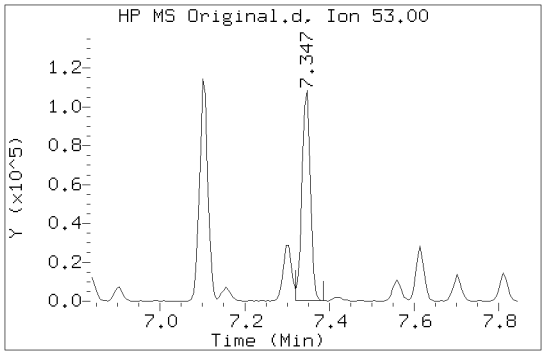


trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

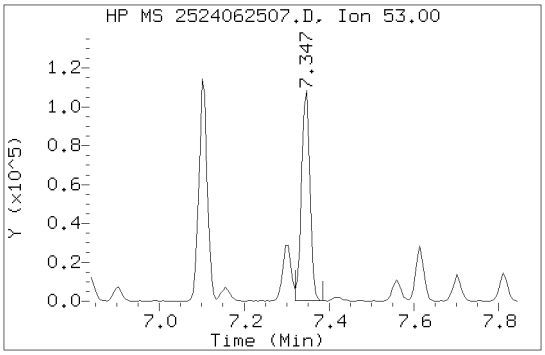
BEFORE

MASS
53
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149889
HEIGHT
108236
25-Jun-2024
18:13



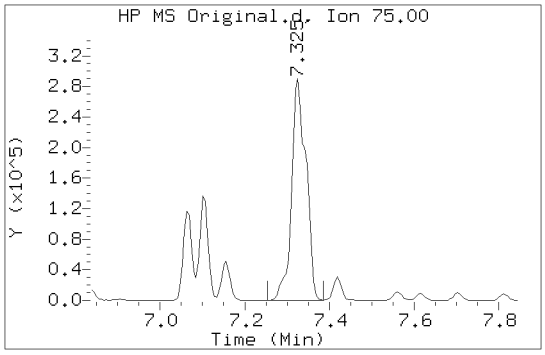
AFTER

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AREA
149889
HEIGHT
108236
25-Jun-2024
19:31



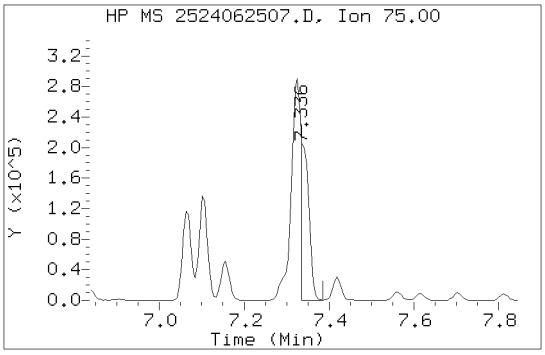
BEFORE

MASS
75
AREA
689042
HEIGHT
290112
25-Jun-2024
18:13



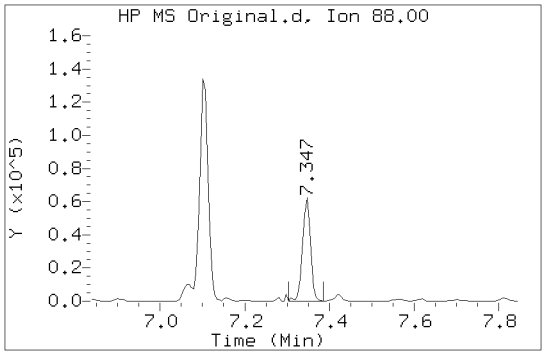
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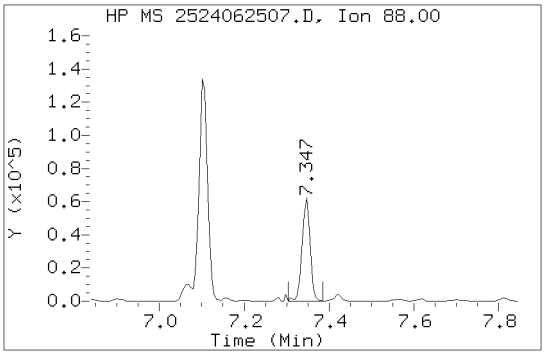
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AFTER

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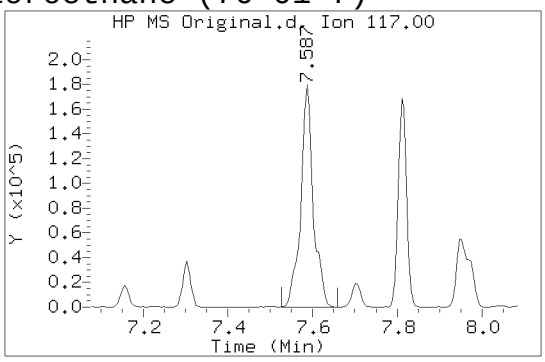


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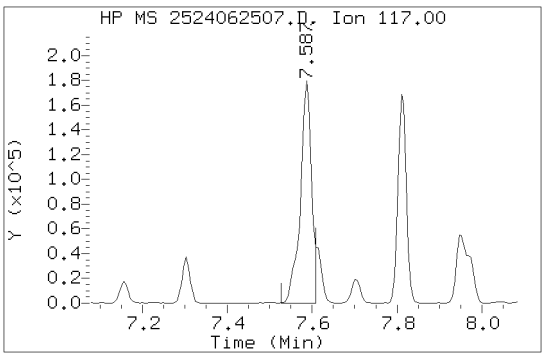
Pentachloroethane (76-01-7)

Reason Code: MP

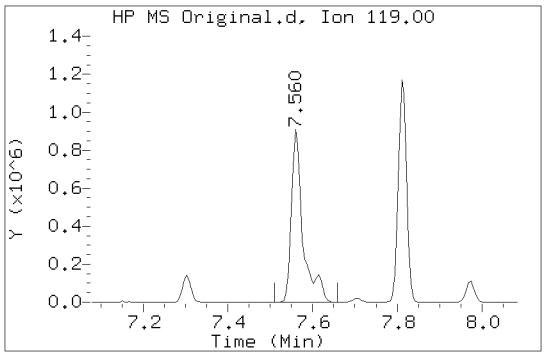
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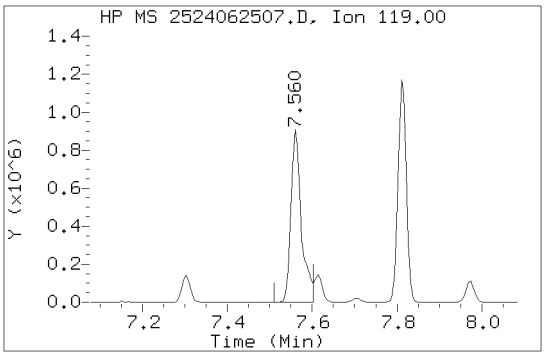
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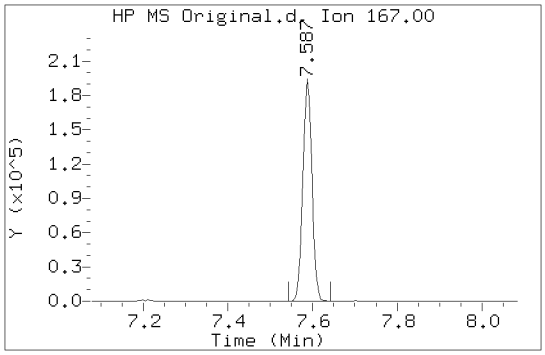
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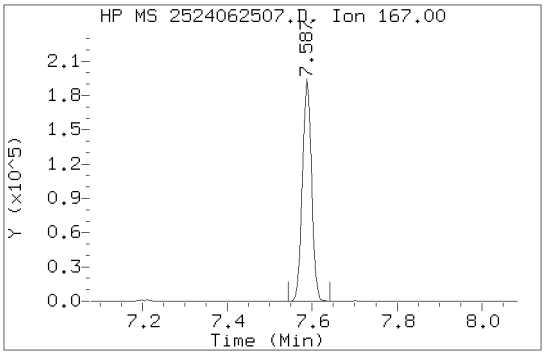
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BEFORE
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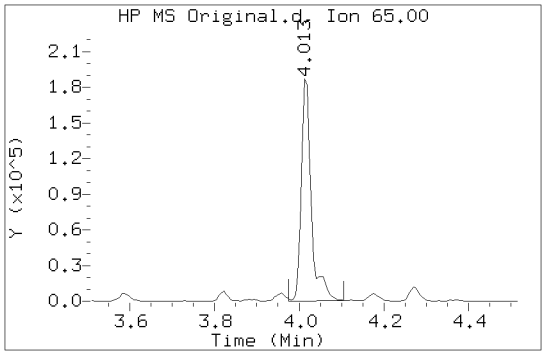
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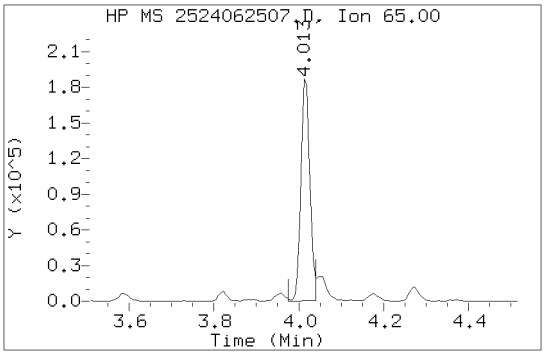
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

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AFTER
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25-Jun-2024
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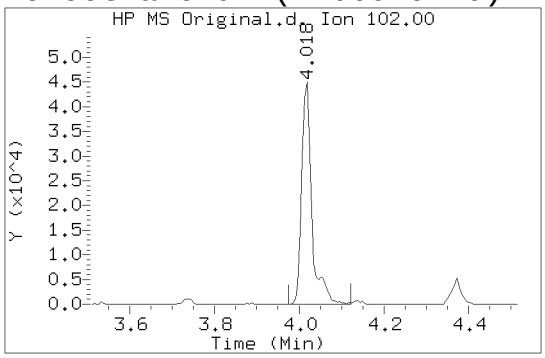
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1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

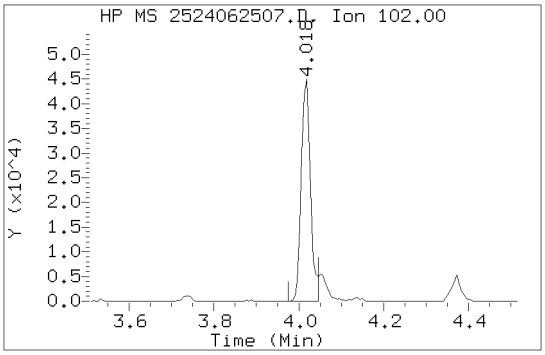
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25-Jun-2024
18:13



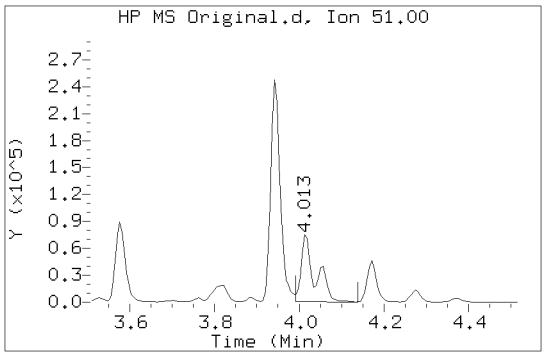
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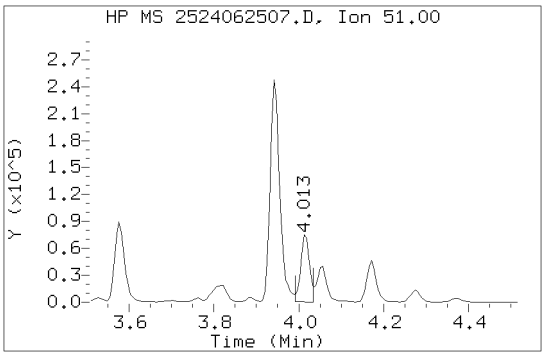
BEFORE

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18:13



AFTER

MASS
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AREA
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25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 12:24
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062508.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062508.D
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Inj Date : 25-JUN-2024 12:45
Operator : ILY Inst ID: ms25.i
Smp Info : 1238;;1;1;5;;;
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Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	1280711	100.000	108.035	
2	Chloromethane	50	1.644	1.645	(0.394)	1078871	100.000	104.339	
3	Vinyl Chloride	62	1.704	1.705	(0.409)	1417886	100.000	105.803	
4	Bromomethane	94	1.922	1.923	(0.461)	683038	100.000	106.980	
5	Chloroethane	64	2.004	2.005	(0.481)	939865	100.000	104.159	
6	Pentane	41	2.091	2.092	(0.502)	877950	100.000	106.282	
7	Trichlorofluoromethane	101	2.097	2.103	(0.503)	1936633	100.000	105.503	
8	Dichlorofluoromethane	67	2.124	2.125	(0.509)	1909414	100.000	112.418	
9	Ethyl Ether	74	2.277	2.278	(0.546)	577826	100.000	111.873	
10	1,1-Dichloroethene	61	2.413	2.409	(0.579)	1162374	100.000	112.779	
11	Freon 113	101	2.424	2.425	(0.581)	828017	100.000	114.221	
12	Carbon Disulfide	76	2.446	2.447	(0.587)	2554462	100.000	114.893	
13	Iodomethane	127	2.512	2.507	(0.602)	423659	100.000	105.457(M)	MP
14	Acrolein	56	2.599	2.600	(0.623)	917167	500.000	551.695(A)	
15	Isopropyl Alcohol	45	2.653	2.654	(0.636)	289391	500.000	536.134(A)	
16	3-Chloro-1-propene	41	2.681	2.676	(0.643)	973704	100.000	108.215	
17	Methylene Chloride	84	2.741	2.741	(0.657)	917372	100.000	108.966	
18	Acetone	58	2.757	2.752	(0.661)	490337	500.000	525.690(A)	
19	Methyl acetate	74	2.812	2.812	(0.674)	195422	100.000	102.434	
20	trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	1142895	100.000	113.218	
21	Hexane	57	2.866	2.867	(0.687)	1762469	100.000	105.284	

Data File: 2524062508.D
Report Date: 25-Jun-2024 19:32

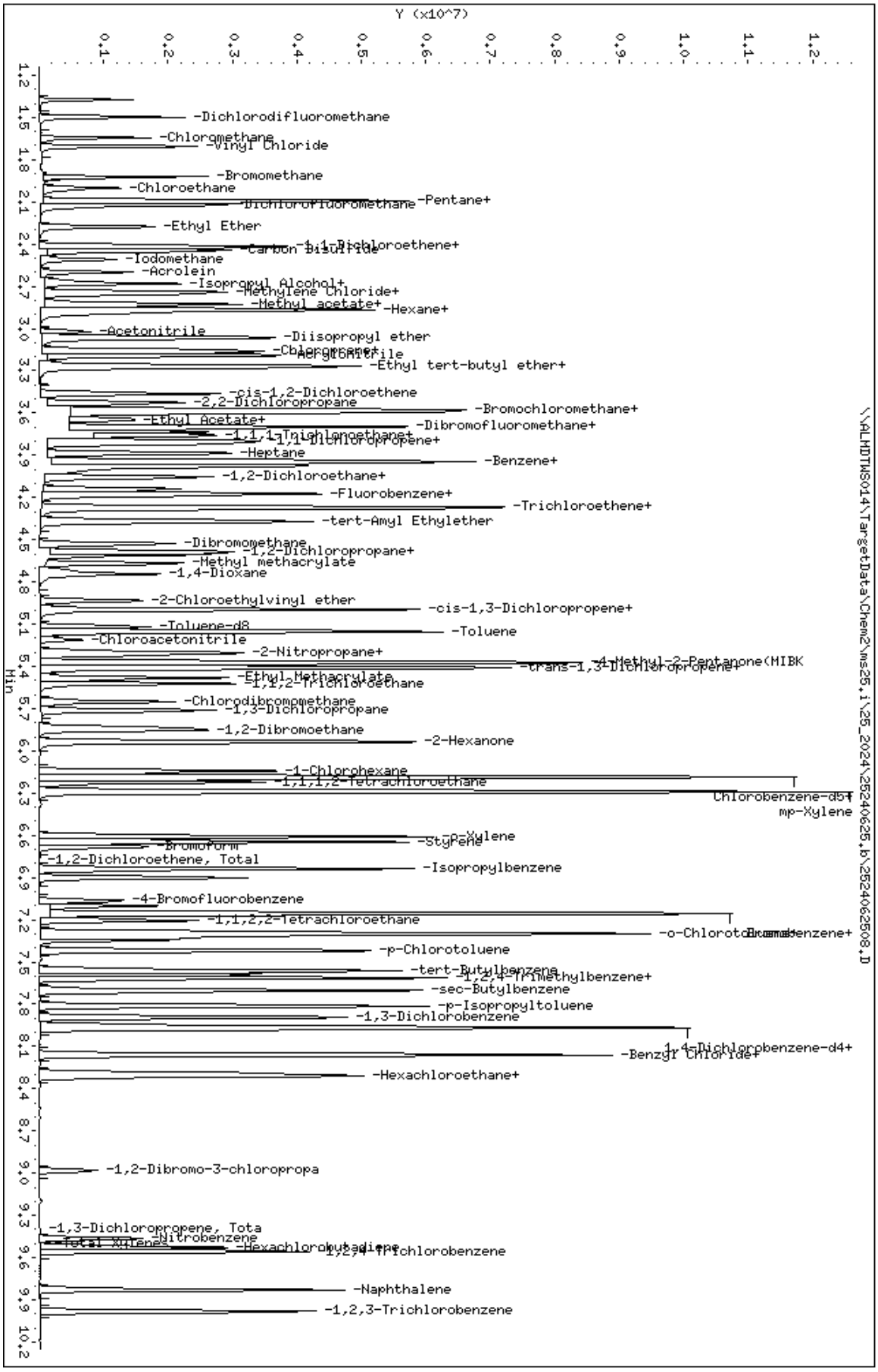
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	2707334	100.000	104.288	
	23 tert.- Butyl Alcohol	59	2.899	2.889	(0.695)	531352	500.000	570.639(A)	
	24 Acetonitrile	41	3.019	3.020	(0.724)	586835	500.000	562.628(A)	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	2528853	100.000	112.877	
	26 Chloroprene	53	3.155	3.156	(0.757)	1314924	100.000	115.767	
	27 1,1-Dichloroethane	63	3.172	3.167	(0.761)	1557064	100.000	113.218	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	2086695	500.000	582.594(AM)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	2763916	100.000	116.157	
	30 n-Propanol	41	3.265	3.260	(0.783)	457445	1000.00	1036.42(A)	
	31 Vinyl Acetate	86	3.275	3.276	(0.785)	244750	100.000	103.846	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	1151450	100.000	112.496	
	33 2,2-Dichloropropane	77	3.526	3.522	(0.846)	1243832	100.000	113.477	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	505828	100.000	114.597	
	35 Cyclohexane	84	3.586	3.587	(0.860)	1388288	100.000	113.040	
	36 Chloroform	83	3.597	3.598	(0.863)	1699897	100.000	114.497	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	938737	100.000	105.546	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	947622	100.000	114.973	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	1141242	100.000	104.056(M)	MP
$	41 Dibromofluoromethane	113	3.706	3.707	(0.889)	259811	30.0000	30.7343	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	1387430	500.000	550.631(A)	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	1344421	100.000	116.341	
	43 2-Butanone	72	3.761	3.767	(0.902)	680917	500.000	559.005(AM)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	1236081	100.000	113.082	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	750558	100.000	106.774(M)	I
	46 Heptane	71	3.887	3.887	(0.932)	692684	100.000	109.073	
	47 Benzene	78	3.941	3.942	(0.945)	3618340	100.000	107.696	
	48 Propionitrile	54	3.941	3.942	(0.945)	774353	500.000	570.925(A)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	465553	100.000	114.504	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	2638153	100.000	114.857	
	54 Isobutyl alcohol	42	3.990	3.980	(0.957)	211992	1000.00	1020.63(AQM)	MP
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	268195	30.0000	30.0964(M)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	1135084	100.000	107.472	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	401168	500.000	561.534(A)	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1071368	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	2168082	100.000	106.165	
	57 Trichloroethene	95	4.268	4.269	(1.024)	928864	100.000	109.238	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	1513087	100.000	108.597	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	2075694	100.000	103.393	
	60 Dibromomethane	93	4.525	4.526	(1.085)	615591	100.000	114.519	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	916829	100.000	113.382	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	1172803	100.000	103.923	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	760558	100.000	118.844	
	64 1,4-Dioxane	88	4.721	4.722	(1.132)	341622	2500.00	2729.14(A)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	612756	100.000	103.147	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	1499905	100.000	102.916	
	67 Octane	85	5.000	5.000	(0.810)	586960	100.000	111.106	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1004893	30.0000	29.5486	
	69 Toluene	92	5.152	5.153	(0.835)	2215702	100.000	102.793	
	70 Chloroacetonitrile	75	5.212	5.208	(0.844)	313617	500.000	583.645(A)	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	1224339	500.000	515.968(A)	
	72 1,1-Dichloro-2-Propanone	63	5.311	5.317	(0.860)	120735	500.000	526.185(AQ)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	4540988	500.000	532.322(A)	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	1390540	100.000	103.018	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	861759	100.000	109.793	

Data File: 2524062508.D Page 3
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.480	5.481	(0.888)	1354483	100.000	103.911	
	77 1,1,2-Trichloroethane	83	5.523	5.524	(0.895)	726717	100.000	109.731	
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	980105	100.000	103.998	
	79 1,3-Dichloropropane	76	5.714	5.710	(0.926)	1471130	100.000	112.429	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	921715	100.000	104.304	
	81 2-Hexanone	43	5.933	5.933	(0.961)	3096661	500.000	529.025(A)	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	1297909	100.000	114.457	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	429544	30.0000		
	84 Chlorobenzene	112	6.184	6.184	(1.002)	2443576	100.000	111.243	
	85 Ethylbenzene	106	6.189	6.190	(1.003)	1327438	100.000	103.500	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	867838	100.000	104.290	
	87 mp-Xylene	106	6.287	6.288	(1.019)	3168696	200.000	208.645(A)	
	88 o-Xylene	106	6.609	6.610	(1.071)	1516109	100.000	103.716	
	89 Styrene	104	6.648	6.648	(0.836)	2454318	100.000	102.297(M)	MP
	90 Bromoform	173	6.680	6.686	(0.840)	690099	100.000	101.763	
	91 Isopropylbenzene	105	6.838	6.839	(0.860)	3465736	100.000	103.792	
M	100 1,2-Dichloroethene, Total	61				2294345	200.000	225.714	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	346523	30.0000	30.9724	
	93 Bromobenzene	156	7.155	7.156	(0.900)	1061383	100.000	111.003	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	1084898	100.000	110.958	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	1083239	100.000	113.982	
	96 o-Chlorotoluene	91	7.291	7.292	(0.917)	2871759	100.000	111.635	
	97 1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	3015928	100.000	110.832	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	340852	100.000	111.201	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.341	(0.924)	297095	100.000	101.573(M)	MP
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	2569291	100.000	110.266	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	733804	100.000	112.751	
	103 Pentachloroethane	117	7.586	7.581	(0.954)	667170	100.000	101.782(M)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.614	(0.957)	2964649	100.000	103.049	
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	3807940	100.000	113.225	
	106 p-Isopropyltoluene	134	7.815	7.816	(0.983)	882856	100.000	114.632	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	1788974	100.000	111.056	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	404418	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	1841285	100.000	109.659	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	405519	100.000	100.284(Q)	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	788569	100.000	109.565	
	112 Hexachloroethane	117	8.290	8.285	(1.043)	590317	100.000	101.880	
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	1716708	100.000	111.877	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	187226	100.000	102.574	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	699975	1000.00	1037.49(A)	
	116 Hexachlorobutadiene	225	9.529	9.524	(1.198)	520622	100.000	102.290	
M	120 1,3-Dichloropropene, Total	75				2890445	200.000	205.934	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	1183404	100.000	116.457	
M	121 Total Xylenes	106				4684805	300.000	312.362	
	118 Naphthalene	128	9.829	9.829	(1.236)	3095315	100.000	103.286	
	119 1,2,3-Trichlorobenzene	180	9.981	9.982	(1.255)	1155326	100.000	100.890	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

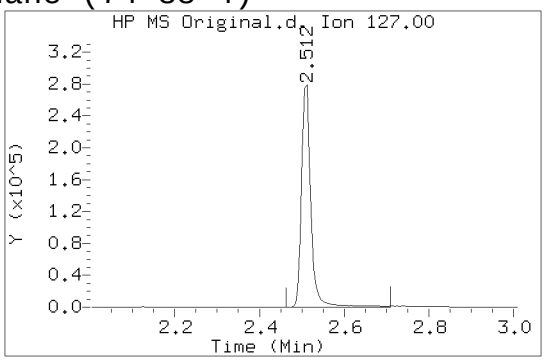

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0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
Min
1.2
1.5
1.8
2.1
2.4
2.7
3.0
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
6.6
6.9
7.2
7.5
7.8
8.1
8.4
8.7
9.0
9.3
9.6
9.9
10.2
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Pentane+
-Ethyl Ether
-Carbon Disulfide
-Iodomethane
-Acrolein
-Isopropyl Alcohol+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile
-Diisopropyl ether
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Ethyl Acetate+
-Dibromofluoromethane+
-Heptane
-Benzene+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-1,4-Dioxane
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8
-Toluene
-Chloroacetonitrile
-2-Nitropropane+
-trans-1,3-Dichloropropene+
-Ethyl Methacrylate
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
mp-Xylene
-o-Xylene
-Styrene
-Bromoform
-1,2-Dichloroethene, Total
-Isopropylbenzene
-4-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-p-Chlorotoluene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene+
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
-Benzyl Chloride+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-Nitrobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Client ID:
Sample Info: 1238;;1;1;5;;;
Purge Volume: 5.0
Column phase: DB-VRX
Instrument: ms25.i
Operator: ILY
Column diameter: 0.25
Page 1

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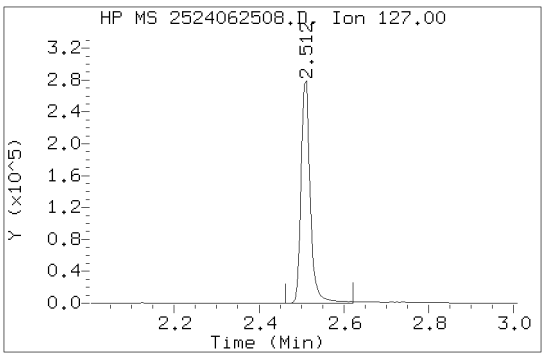
Iodomethane (74-88-4)

Reason Code: MP

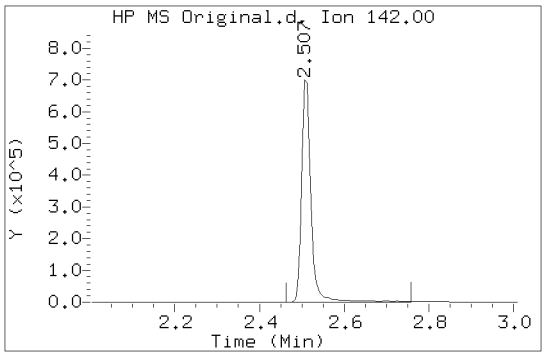
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HEIGHT
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25-Jun-2024
18:20



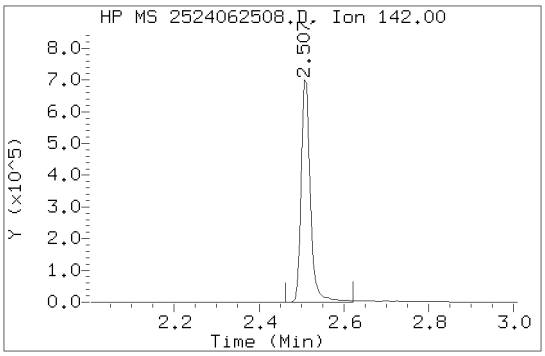
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HEIGHT
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HEIGHT
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25-Jun-2024
18:20



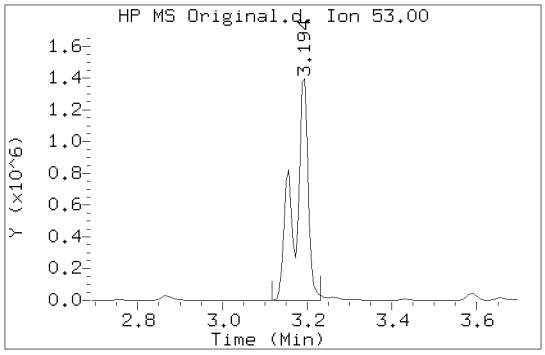
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25-Jun-2024
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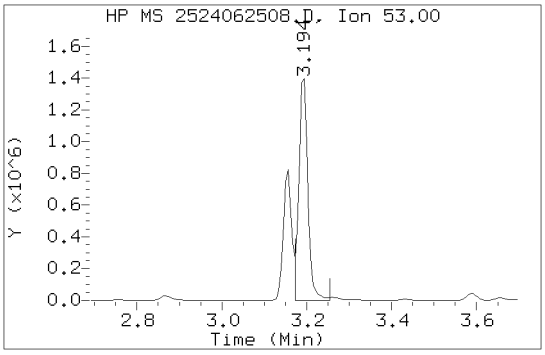
Acrylonitrile (107-13-1)

Reason Code: MP

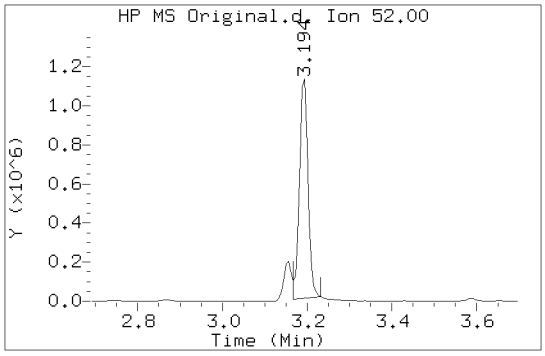
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25-Jun-2024
18:20



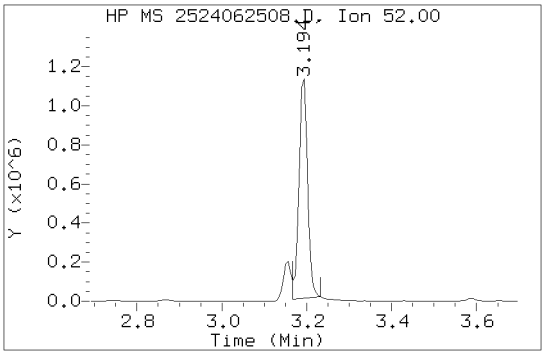
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MASS
53
AREA
2086695
HEIGHT
1396088
25-Jun-2024
19:31



BEFORE
MASS
52
AREA
1590847
HEIGHT
1122482
25-Jun-2024
18:20



AFTER
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52
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HEIGHT
1122482
25-Jun-2024
19:31

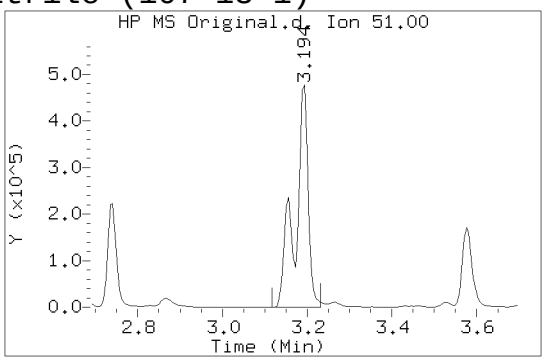


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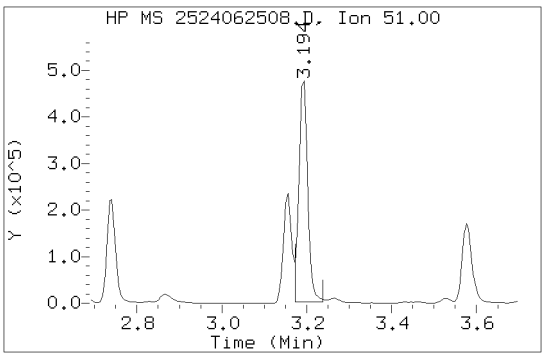
Acrylonitrile (107-13-1)

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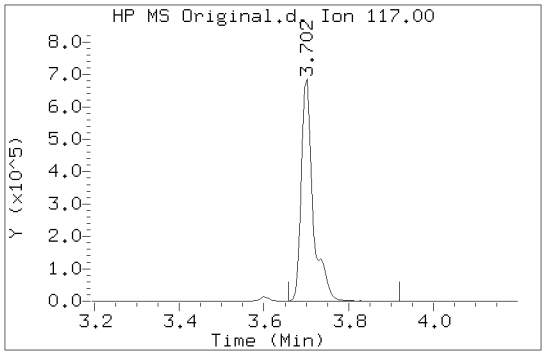
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25-Jun-2024
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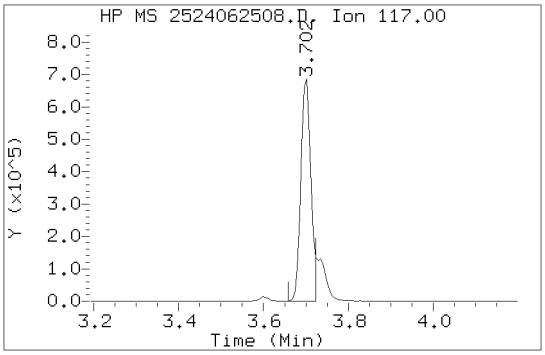
Carbon Tetrachloride (56-23-5)

Reason Code: MP

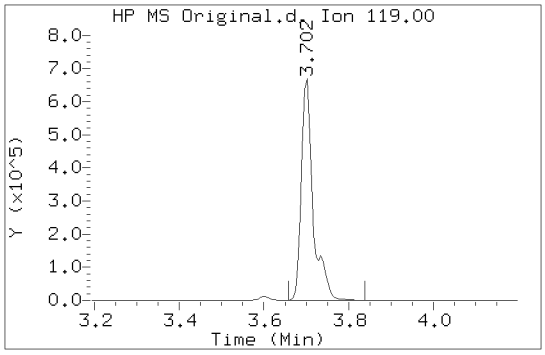
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HEIGHT
685952
25-Jun-2024
18:20



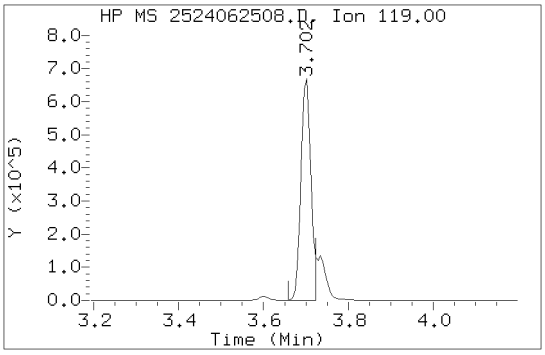
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25-Jun-2024
19:31



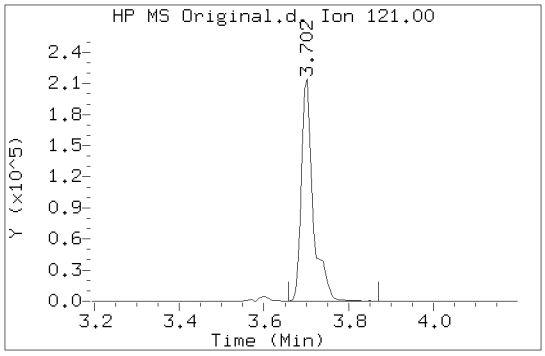
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25-Jun-2024
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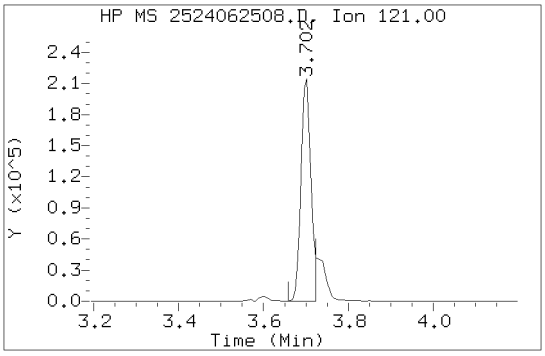
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25-Jun-2024
19:31



BEFORE
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18:20



AFTER
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HEIGHT
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25-Jun-2024
19:31

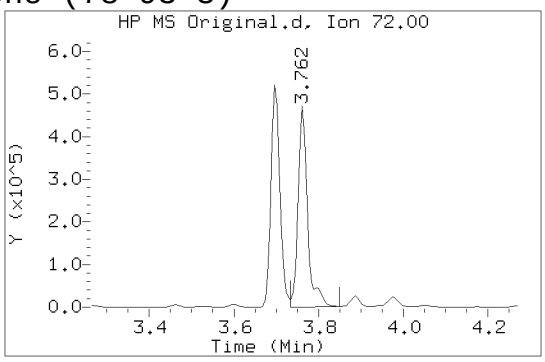


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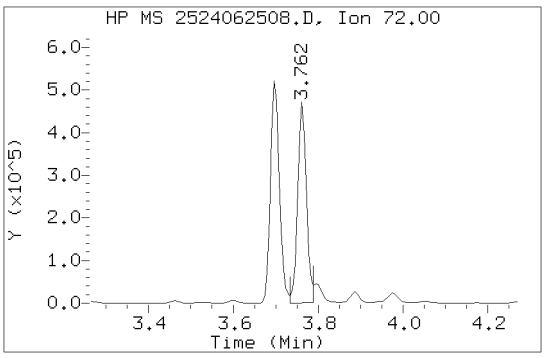
2-Butanone (78-93-3)

Reason Code: MP

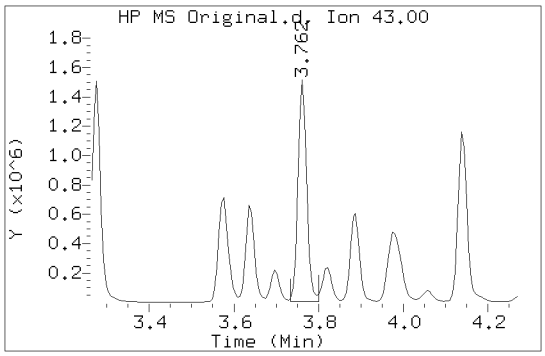
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HEIGHT
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25-Jun-2024
18:20



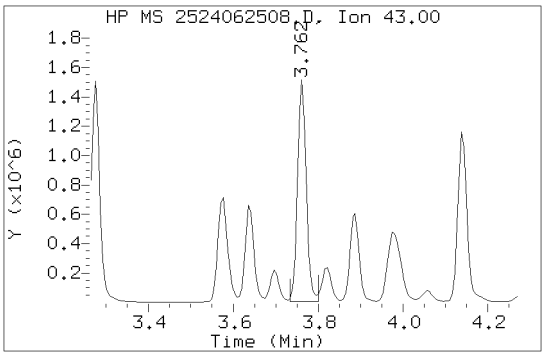
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19:31



BEFORE
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HEIGHT
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25-Jun-2024
18:20



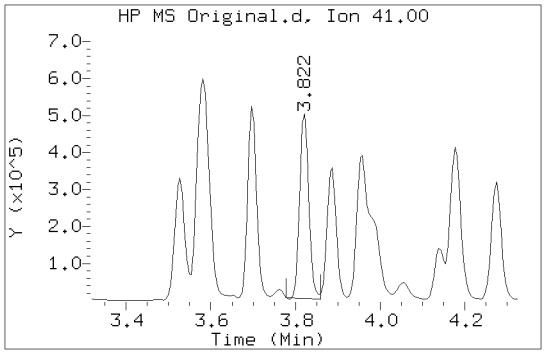
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25-Jun-2024
19:31



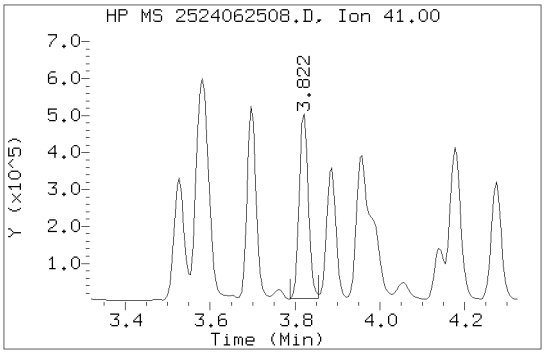
1-Chlorobutane (109-69-3)

Reason Code: I

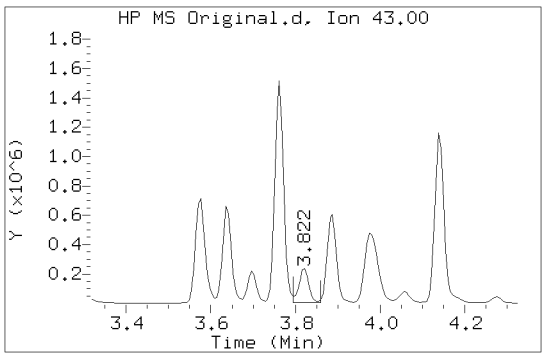
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HEIGHT
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25-Jun-2024
18:20



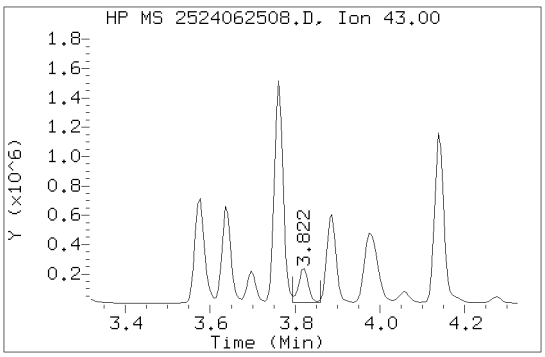
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AREA
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25-Jun-2024
19:31



BEFORE
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AREA
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HEIGHT
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18:20



AFTER
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25-Jun-2024
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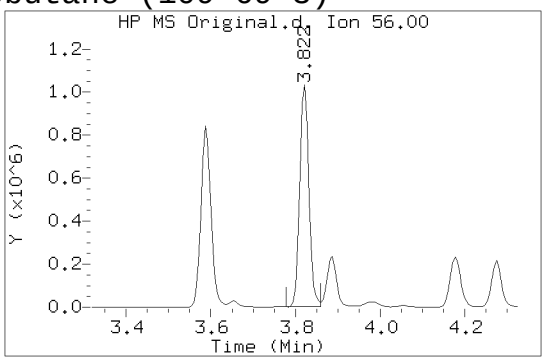


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LabSampID : 1238

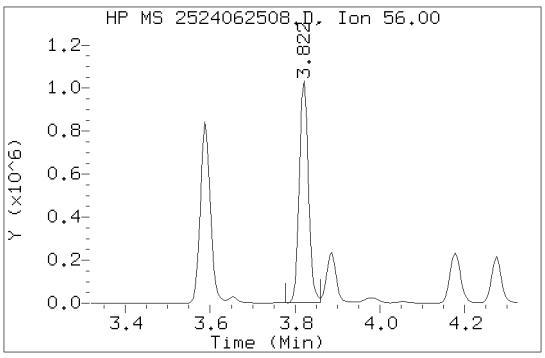
1-Chlorobutane (109-69-3)

Reason Code: I

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25-Jun-2024
18:20



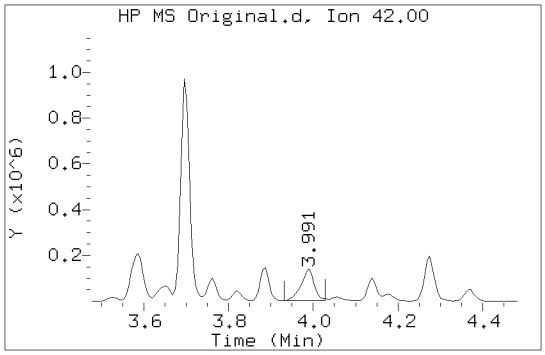
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25-Jun-2024
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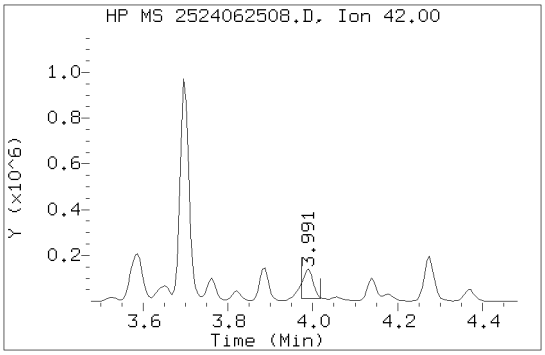
Isobutyl alcohol (78-83-1)

Reason Code: MP

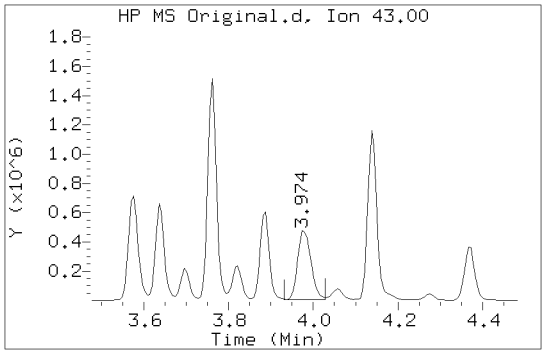
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25-Jun-2024
18:20



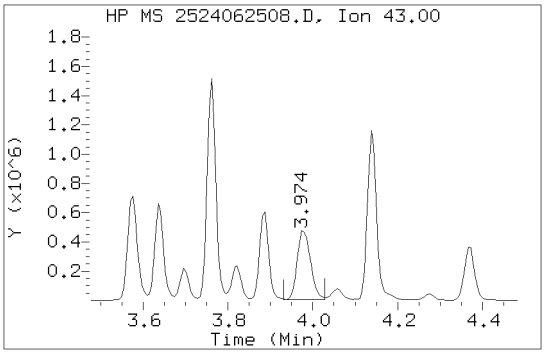
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25-Jun-2024
19:31



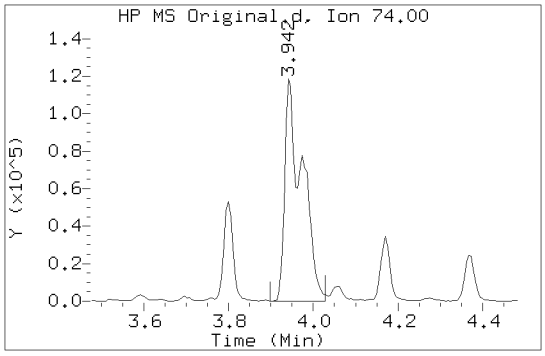
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25-Jun-2024
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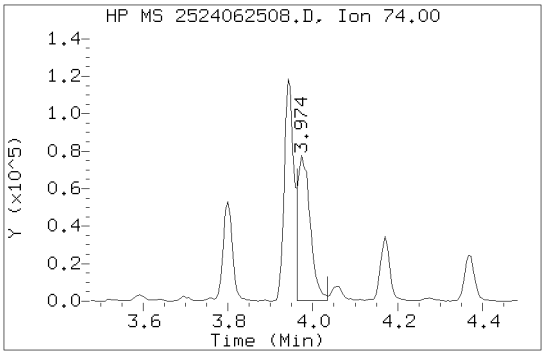
AFTER
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25-Jun-2024
19:31



BEFORE
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25-Jun-2024
18:20



AFTER
MASS
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AREA
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25-Jun-2024
19:31



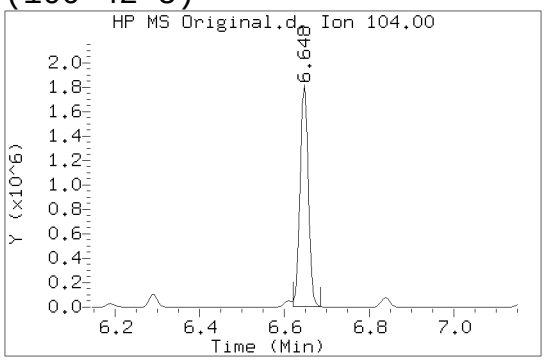
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InstruID : ms25.i
LabSampID : 1238

Styrene (100-42-5)

Reason Code: MP

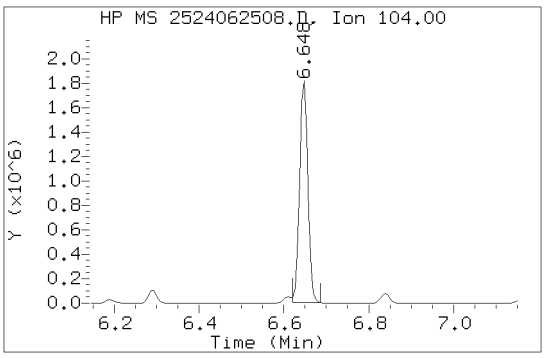
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18:20



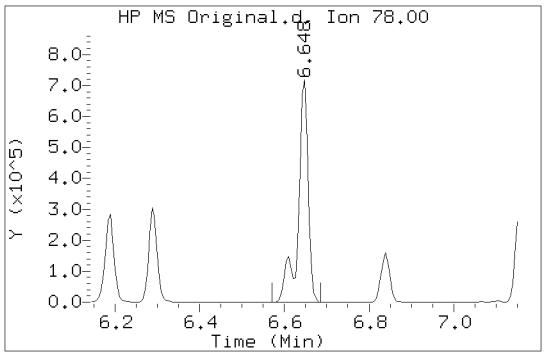
AFTER

MASS
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HEIGHT
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25-Jun-2024
19:31



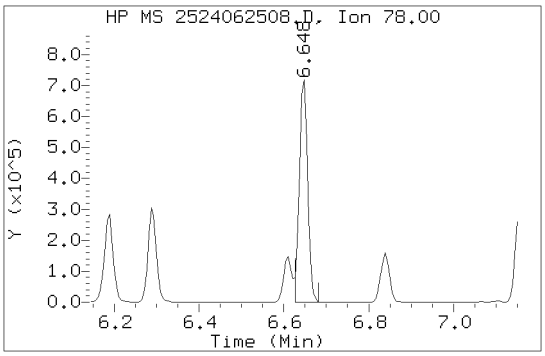
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25-Jun-2024
18:20



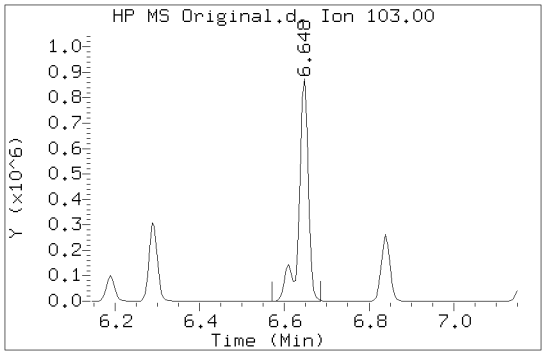
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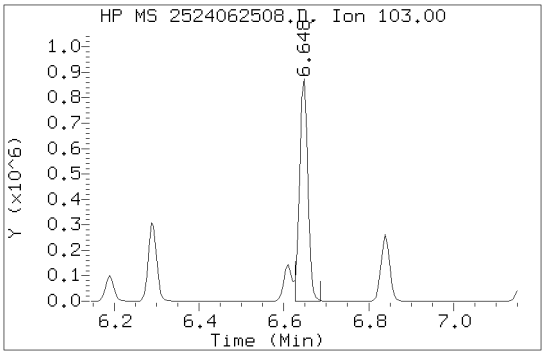
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18:20



AFTER

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HEIGHT
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25-Jun-2024
19:31

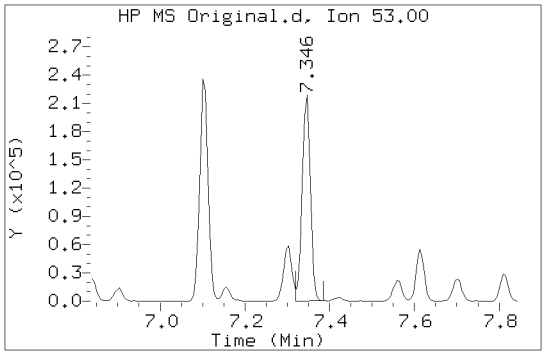


trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

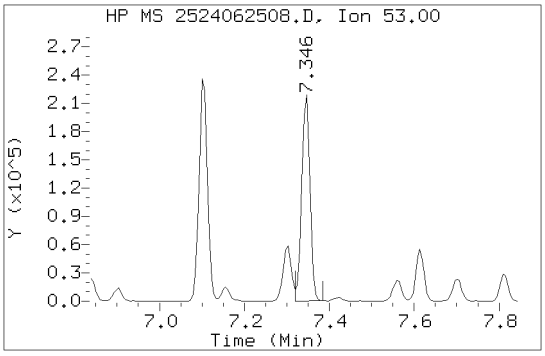
BEFORE

MASS
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HEIGHT
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25-Jun-2024
18:20



AFTER

MASS
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HEIGHT
218507
25-Jun-2024
19:31

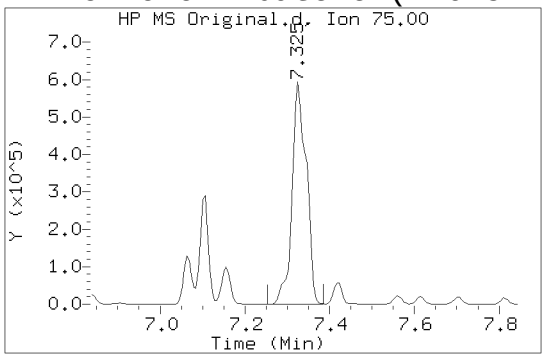


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LabSampID : 1238

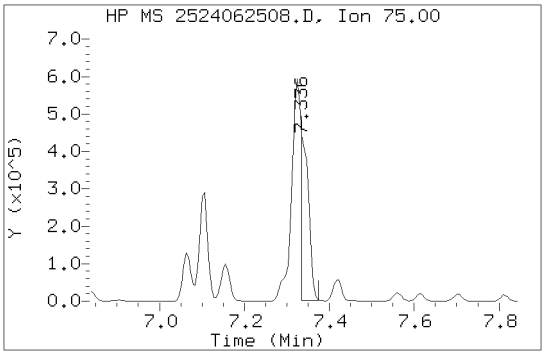
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

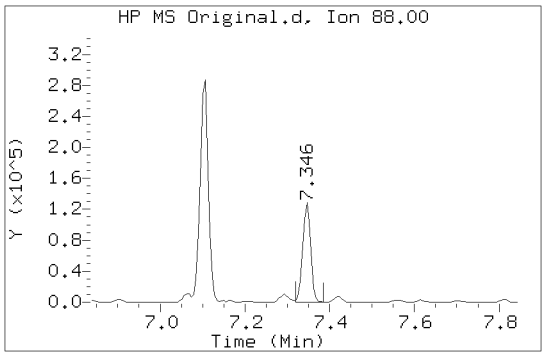
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25-Jun-2024
18:20



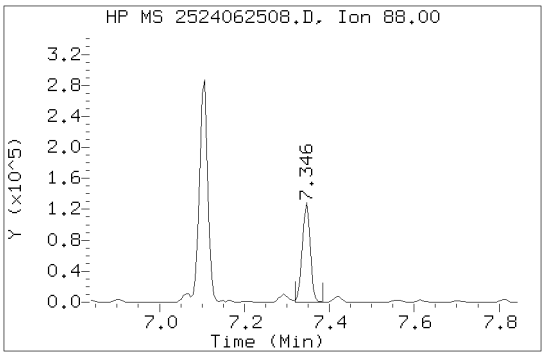
AFTER
MASS
75
AREA
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HEIGHT
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19:31



BEFORE
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AREA
167684
HEIGHT
128214
25-Jun-2024
18:20



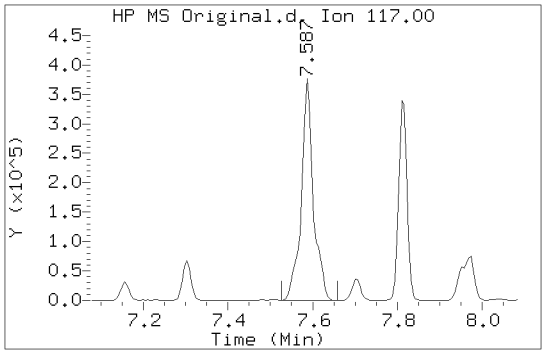
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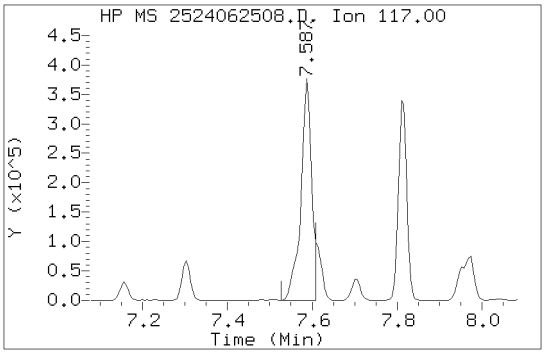
Pentachloroethane (76-01-7)

Reason Code: MP

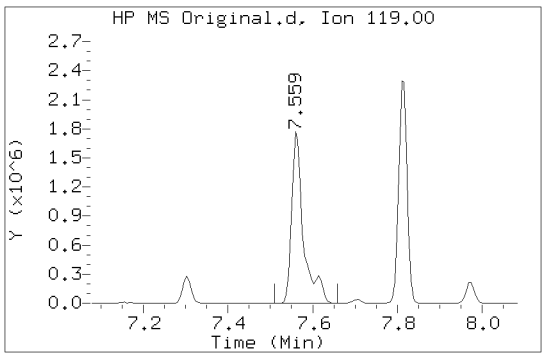
BEFORE
MASS
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AREA
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HEIGHT
376640
25-Jun-2024
18:20



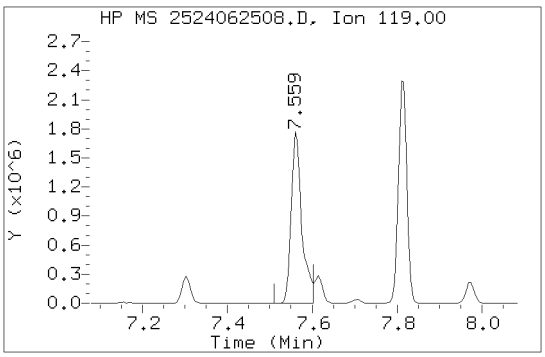
AFTER
MASS
117
AREA
667170
HEIGHT
376640
25-Jun-2024
19:31



BEFORE
MASS
119
AREA
3454111
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25-Jun-2024
18:20



AFTER
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AREA
3121942
HEIGHT
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25-Jun-2024
19:31



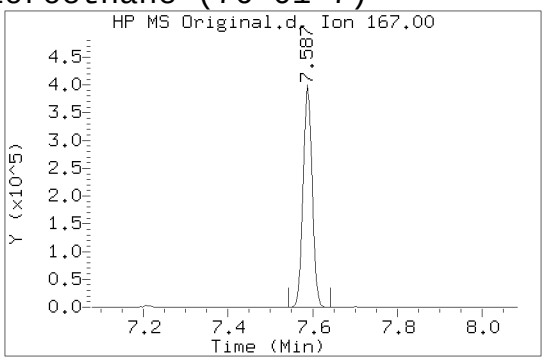
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Inj Date : 25-JUN-2024 12:45
InstruID : ms25.i
LabSampID : 1238

Pentachloroethane (76-01-7)

Reason Code: MP

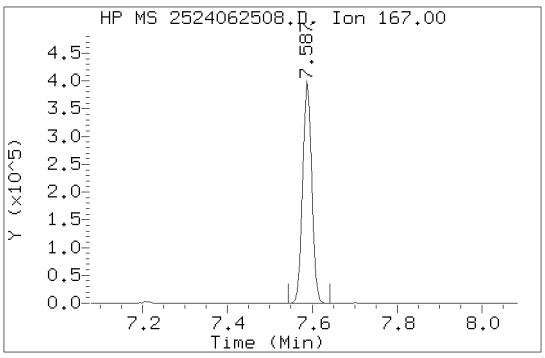
BEFORE

MASS
167
AREA
595116
HEIGHT
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25-Jun-2024
18:20



AFTER

MASS
167
AREA
595116
HEIGHT
400000
25-Jun-2024
19:31

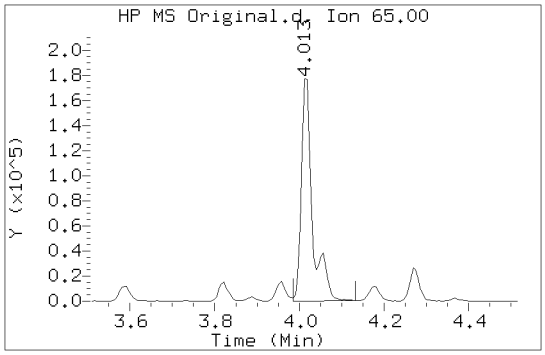


1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

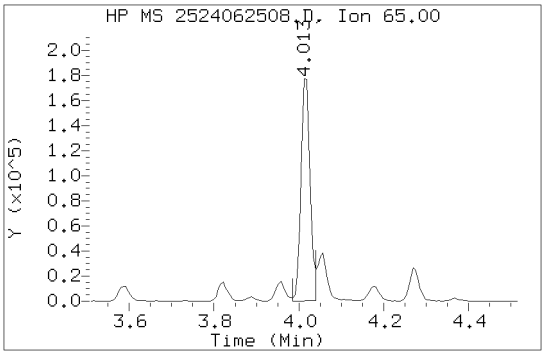
BEFORE

MASS
65
AREA
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HEIGHT
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25-Jun-2024
18:20



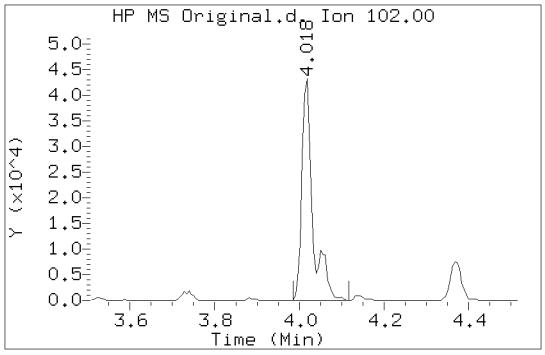
AFTER

MASS
65
AREA
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25-Jun-2024
19:31



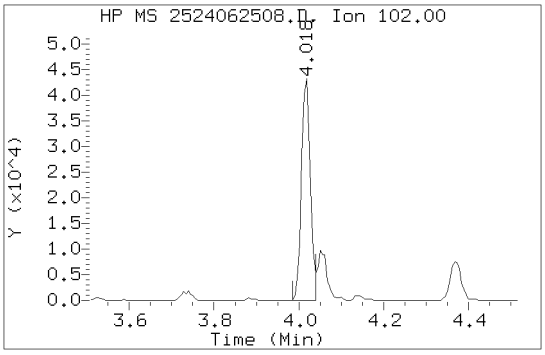
BEFORE

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25-Jun-2024
18:20



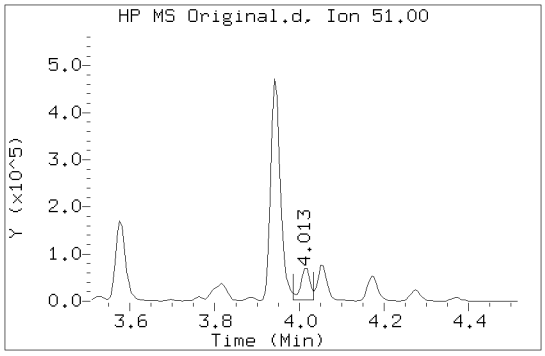
AFTER

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25-Jun-2024
19:31



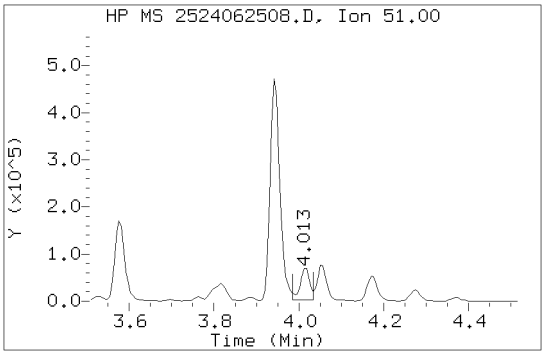
BEFORE

MASS
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HEIGHT
67511
25-Jun-2024
18:20



AFTER

MASS
51
AREA
112491
HEIGHT
67511
25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 12:45
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062509.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062509.D
Lab Smp Id: 1239
Inj Date : 25-JUN-2024 13:05
Operator : ILY Inst ID: ms25.i
Smp Info : 1239;;1;1;6;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\25-8260b09.m
Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	2533343	200.000	200.661(A)	
2	Chloromethane	50	1.644	1.645	(0.394)	2190978	200.000	199.066	
3	Vinyl Chloride	62	1.704	1.705	(0.409)	2763717	200.000	193.643	
4	Bromomethane	94	1.922	1.923	(0.461)	1305713	200.000	192.375	
5	Chloroethane	64	1.999	2.005	(0.479)	1905246	200.000	198.539	
6	Pentane	41	2.086	2.092	(0.500)	1732989	200.000	197.891	
7	Trichlorofluoromethane	101	2.097	2.103	(0.503)	3760616	200.000	192.366	
8	Dichlorofluoromethane	67	2.124	2.125	(0.509)	3794751	200.000	209.785(A)	
9	Ethyl Ether	74	2.277	2.278	(0.546)	1181973	200.000	214.877(A)	
10	1,1-Dichloroethene	61	2.413	2.409	(0.579)	2327421	200.000	212.037(A)	
11	Freon 113	101	2.424	2.425	(0.581)	1639523	200.000	212.363(A)	
12	Carbon Disulfide	76	2.446	2.447	(0.587)	5113780	200.000	215.969(A)	
13	Iodomethane	127	2.506	2.507	(0.601)	874390	200.000	203.891(AM)	MP
14	Acrolein	56	2.599	2.600	(0.623)	1855433	1000.00	1047.97(A)	
15	Isopropyl Alcohol	45	2.653	2.654	(0.636)	563852	1000.00	983.496(A)	
16	3-Chloro-1-propene	41	2.681	2.676	(0.643)	1831594	200.000	191.003	
17	Methylene Chloride	84	2.741	2.741	(0.657)	1850713	200.000	206.413(A)	
18	Acetone	58	2.757	2.752	(0.661)	957192	1000.00	963.579(A)	
19	Methyl acetate	74	2.812	2.812	(0.674)	401646	200.000	198.075	
20	trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	2259733	200.000	210.193(A)	
21	Hexane	57	2.861	2.867	(0.686)	3534639	200.000	198.521	

Data File: 2524062509.D
Report Date: 25-Jun-2024 19:32

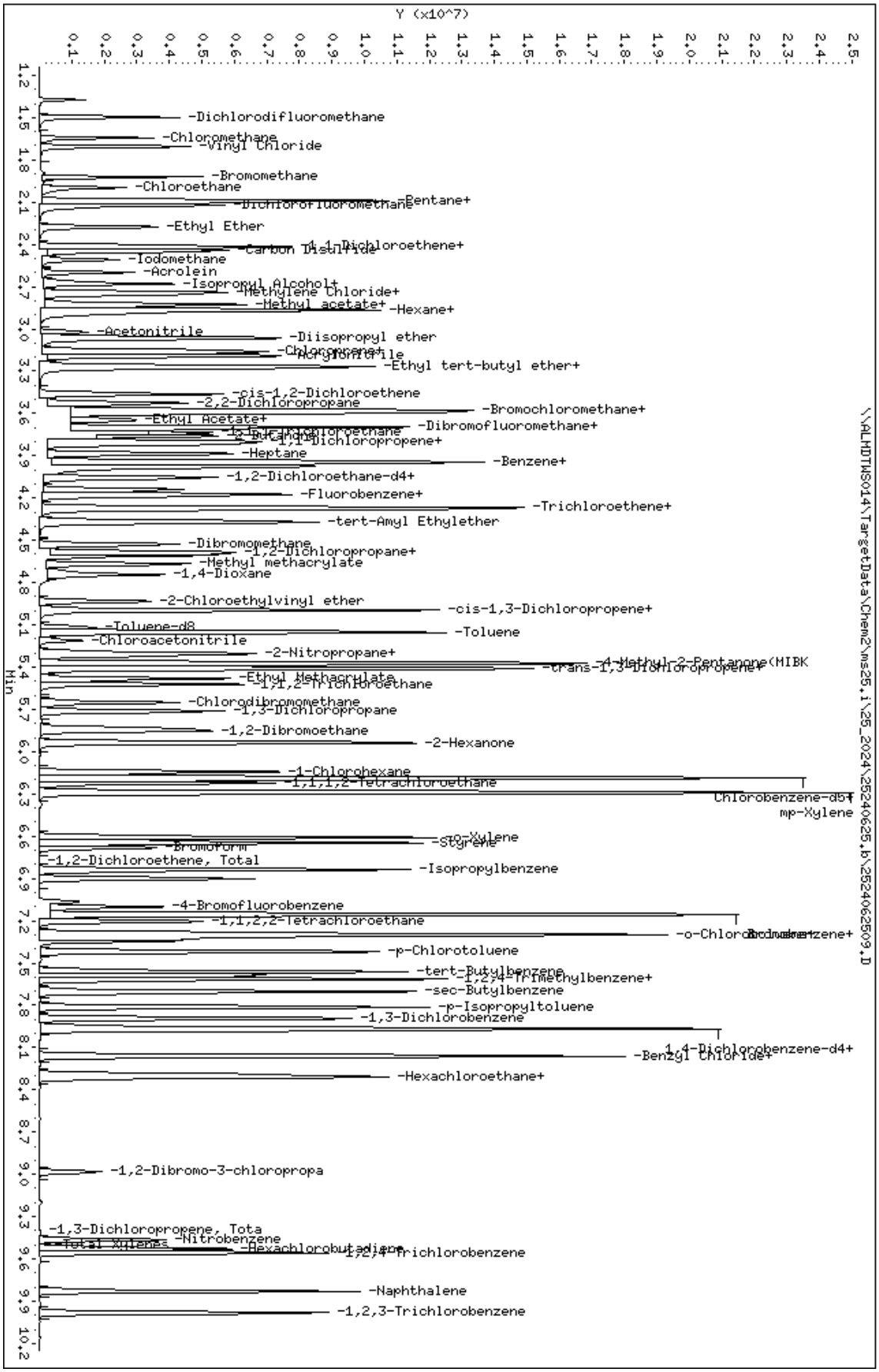
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	5465615	200.000	197.482	
	23 tert.- Butyl Alcohol	59	2.899	2.889	(0.695)	1044247	1000.00	1053.02(A)	
	24 Acetonitrile	41	3.019	3.020	(0.724)	1144489	1000.00	1030.32(A)	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	5106206	200.000	214.009(A)	
	26 Chloroprene	53	3.155	3.156	(0.757)	2690763	200.000	222.440(A)	
	27 1,1-Dichloroethane	63	3.172	3.167	(0.761)	3152575	200.000	215.242(A)	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	4150745	1000.00	1088.14(AM)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	5631765	200.000	222.238(A)	
	30 n-Propanol	41	3.265	3.260	(0.783)	934630	2000.00	1988.33(A)	
	31 Vinyl Acetate	86	3.276	3.276	(0.785)	502264	200.000	199.748(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	2317342	200.000	212.587(A)	
	33 2,2-Dichloropropane	77	3.526	3.522	(0.846)	2483153	200.000	212.717(A)	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	1007796	200.000	214.387(A)	
	35 Cyclohexane	84	3.587	3.587	(0.860)	2805001	200.000	214.457(A)	
	36 Chloroform	83	3.597	3.598	(0.863)	3402674	200.000	215.202(A)	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	1869543	200.000	197.447	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	1893330	200.000	215.695(A)	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	2364065	200.000	202.004(AM)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	269793	30.0000	29.9675	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	2809741	1000.00	1047.05(A)	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	2730421	200.000	221.860(A)	
	43 2-Butanone	72	3.761	3.767	(0.902)	1355775	1000.00	1045.11(AM)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	2490484	200.000	213.935(A)	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	1497481	200.000	200.031(A)	
	46 Heptane	71	3.887	3.887	(0.932)	1359947	200.000	201.075(A)	
	47 Benzene	78	3.941	3.942	(0.945)	7285794	200.000	203.620(A)	
	48 Propionitrile	54	3.941	3.942	(0.945)	1569623	1000.00	1086.65(A)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	949015	200.000	219.168(A)	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	5347492	200.000	218.606(A)	
	54 Isobutyl alcohol	42	3.990	3.980	(0.957)	461252	2000.00	2080.98(AQM)	MP
$	51 1,2-Dichloroethane-d4	65	4.018	4.013	(0.963)	264730	30.0000	27.8946(Q)	
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	2293019	200.000	203.858(A)	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	828700	1000.00	1089.18(A)	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1140999	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	4304948	200.000	199.241	
	57 Trichloroethene	95	4.269	4.269	(1.024)	1911167	200.000	211.044(A)	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	3083558	200.000	207.342(A)	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	4280148	200.000	199.943	
	60 Dibromomethane	93	4.525	4.526	(1.085)	1261550	200.000	220.365(A)	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	1865089	200.000	216.575(A)	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	2408792	200.000	200.112(A)	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	1542068	200.000	226.257(A)	
	64 1,4-Dioxane	88	4.721	4.722	(1.132)	654248	5000.00	4907.67(A)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	1290655	200.000	203.639(A)	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	3091062	200.000	198.443	
	67 Octane	85	5.000	5.000	(0.810)	1164839	200.000	206.573(A)	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1004821	30.0000	27.6813	
	69 Toluene	92	5.153	5.153	(0.835)	4497848	200.000	195.496	
	70 Chloroacetonitrile	75	5.213	5.208	(0.844)	605378	1000.00	1055.50(A)	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	2564073	1000.00	1010.56(A)	
	72 1,1-Dichloro-2-Propanone	63	5.316	5.317	(0.861)	244954	1000.00	998.419(AQ)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	8734882	1000.00	958.508(A)	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	2883334	200.000	199.848	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	1746614	200.000	208.481(A)	

Data File: 2524062509.D Page 3
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.480	5.481	(0.888)	2747208	200.000	197.168	
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	1455486	200.000	205.900(A)	
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	2002816	200.000	198.766	
	79 1,3-Dichloropropane	76	5.715	5.710	(0.926)	2931716	200.000	209.909(A)	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	1854429	200.000	196.399	
	81 2-Hexanone	43	5.938	5.933	(0.962)	6043549	1000.00	966.370(A)	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	2598392	200.000	214.677(A)	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	458486	30.0000		
	84 Chlorobenzene	112	6.184	6.184	(1.002)	4976299	200.000	212.244(A)	
	85 Ethylbenzene	106	6.189	6.190	(1.003)	2724522	200.000	199.145	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	1749666	200.000	196.705	
	87 mp-Xylene	106	6.287	6.288	(1.019)	6367993	400.000	393.536(A)	
	88 o-Xylene	106	6.609	6.610	(1.071)	3066270	200.000	196.521	
	89 Styrene	104	6.648	6.648	(0.836)	4976988	200.000	202.321(AM)	MP
	90 Bromoform	173	6.680	6.686	(0.840)	1437569	200.000	206.673(A)	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	6796201	200.000	198.663	
M	100 1,2-Dichloroethene, Total	61				4577075	400.000	422.780	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	328983	30.0000	28.7193	
	93 Bromobenzene	156	7.155	7.156	(0.900)	2134822	200.000	218.064(A)	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	2189906	200.000	218.753(A)	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	2194263	200.000	225.506(A)	
	96 o-Chlorotoluene	91	7.291	7.292	(0.917)	5793534	200.000	219.965(A)	
	97 1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	5987392	200.000	214.902(A)	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	681141	200.000	217.039(A)	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.341	(0.924)	609147	200.000	203.114(AM)	MP
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	5152023	200.000	215.954(A)	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	1465252	200.000	219.893(A)	
	103 Pentachloroethane	117	7.586	7.581	(0.954)	1367796	200.000	203.511(AM)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.614	(0.957)	5884390	200.000	199.913	
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	7352965	200.000	213.536(A)	
	106 p-Isopropyltoluene	134	7.815	7.816	(0.983)	1743745	200.000	221.134(A)	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	3602650	200.000	218.432(A)	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	414069	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	3762667	200.000	218.865(A)	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	867235	200.000	208.955(AQ)	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	1593183	200.000	216.199(A)	
	112 Hexachloroethane	117	8.290	8.285	(1.043)	1225691	200.000	206.207(A)	
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	3512145	200.000	223.550(A)	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	386483	200.000	206.383(A)	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	1663438	2000.00	1994.71(A)	
	116 Hexachlorobutadiene	225	9.529	9.524	(1.198)	1058167	200.000	202.812(A)	
M	120 1,3-Dichloropropene, Total	75				5974396	400.000	398.291	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	2422661	200.000	232.854(A)	
M	121 Total Xylenes	106				9434263	600.000	590.057	
	118 Naphthalene	128	9.829	9.829	(1.236)	6235557	200.000	202.911(A)	
	119 1,2,3-Trichlorobenzene	180	9.981	9.982	(1.255)	2411703	200.000	205.392(A)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



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Client ID:
Sample Info: 1239;;1;1;6;;;
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms25,i
Operator: ILY
Column diameter: 0.25

Page 1

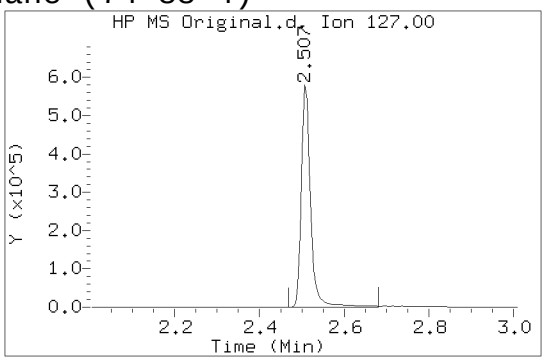
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InstruID : ms25.i
LabSampID : 1239

Iodomethane (74-88-4)

Reason Code: MP

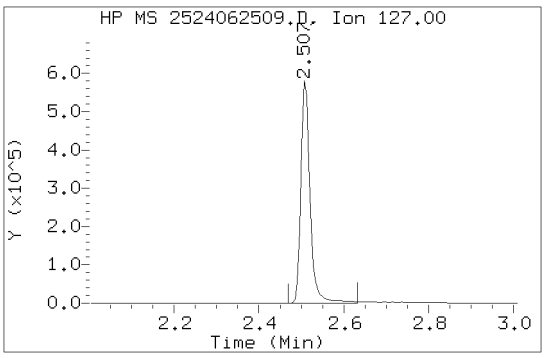
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HEIGHT
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25-Jun-2024
18:25



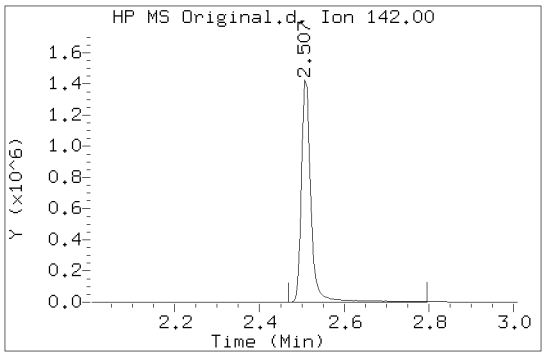
AFTER

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HEIGHT
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25-Jun-2024
19:31



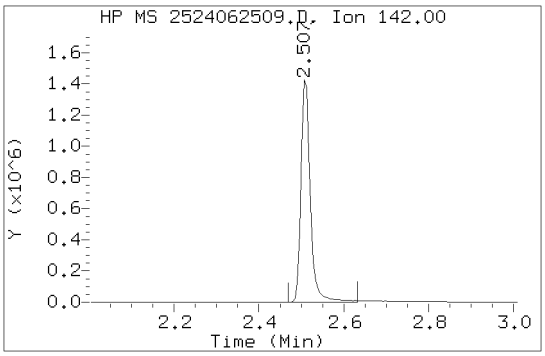
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18:25



AFTER

MASS
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AREA
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HEIGHT
1425920
25-Jun-2024
19:31

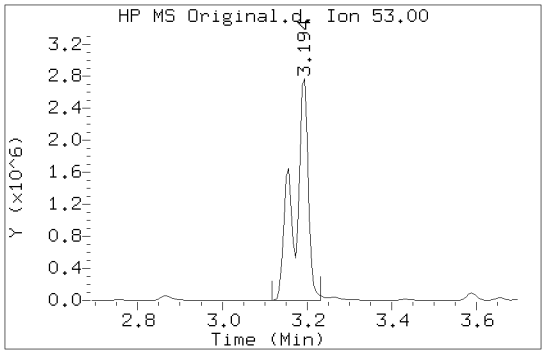


Acrylonitrile (107-13-1)

Reason Code: MP

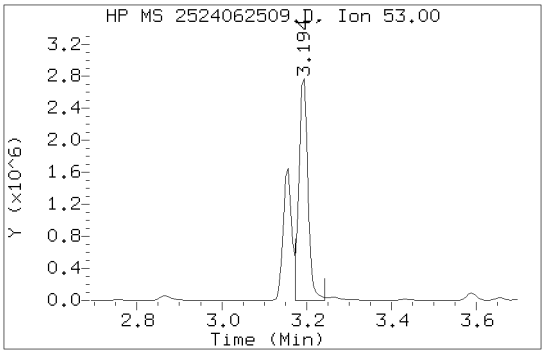
BEFORE

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HEIGHT
2769907
25-Jun-2024
18:25



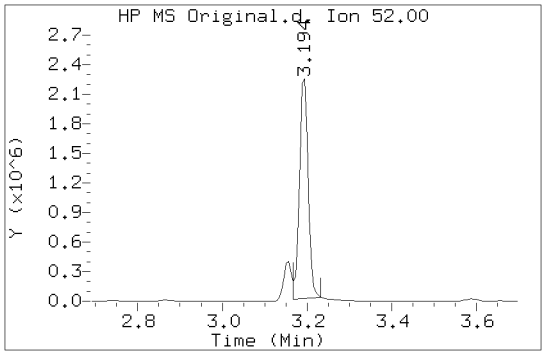
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25-Jun-2024
19:31



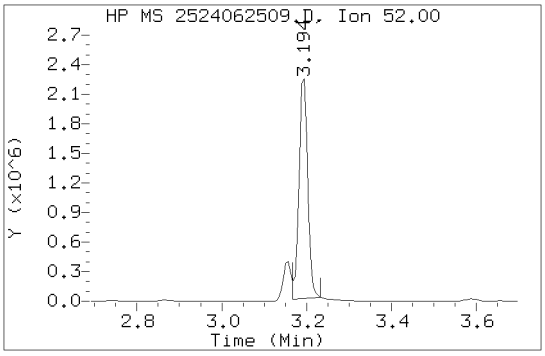
BEFORE

MASS
52
AREA
3216697
HEIGHT
2229568
25-Jun-2024
18:25



AFTER

MASS
52
AREA
3216697
HEIGHT
2229568
25-Jun-2024
19:31

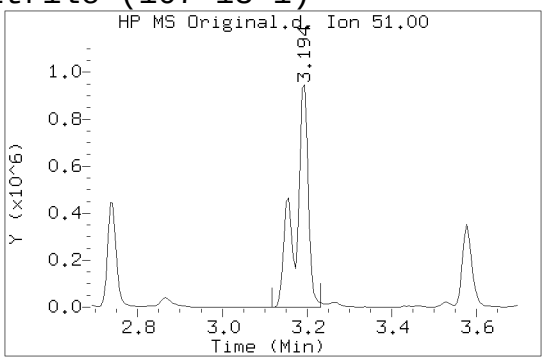


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LabSampID : 1239

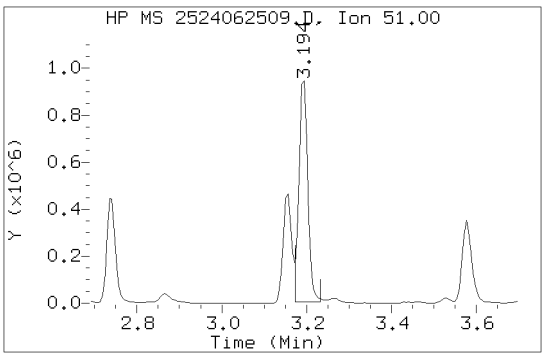
Acrylonitrile (107-13-1)

Reason Code: MP

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25-Jun-2024
18:25



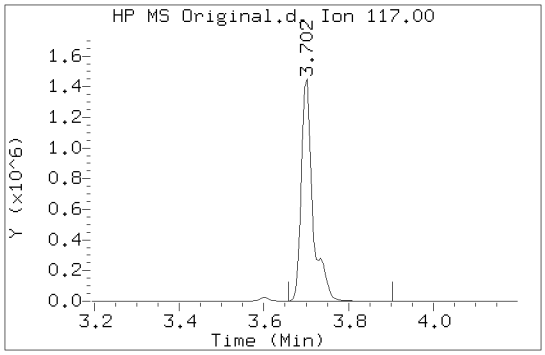
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25-Jun-2024
19:31



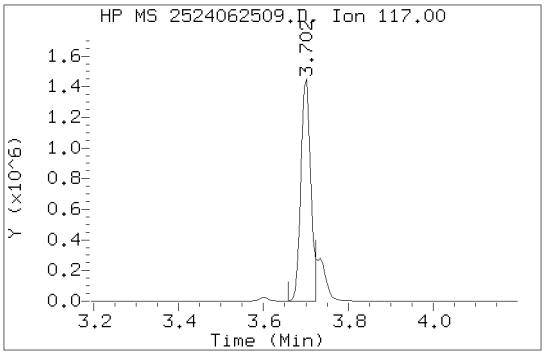
Carbon Tetrachloride (56-23-5)

Reason Code: MP

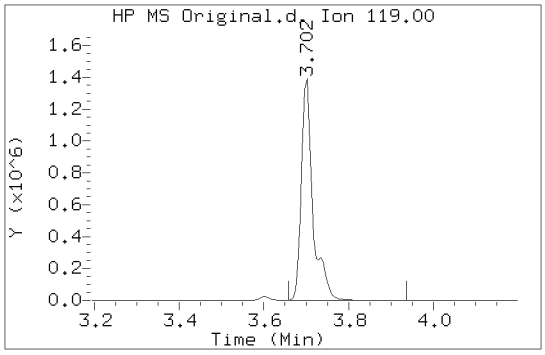
BEFORE
MASS
117
AREA
2775522
HEIGHT
1451008
25-Jun-2024
18:25



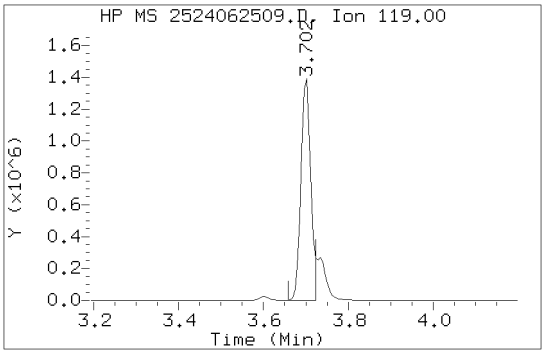
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25-Jun-2024
19:31



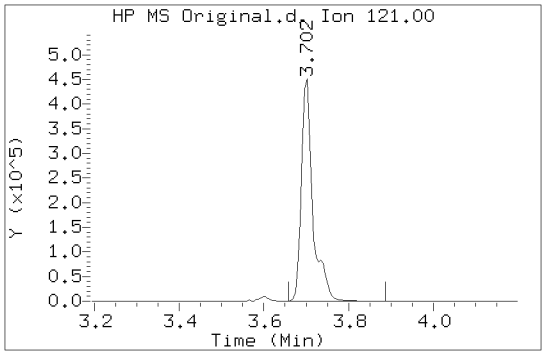
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25-Jun-2024
18:25



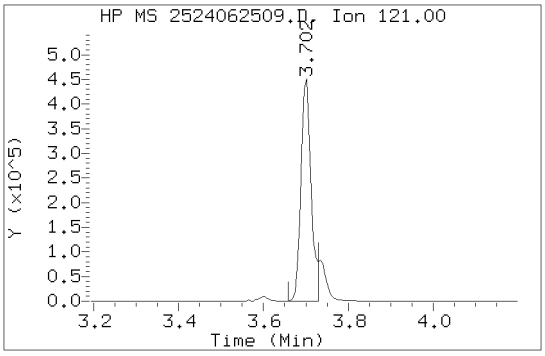
AFTER
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119
AREA
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25-Jun-2024
19:31



BEFORE
MASS
121
AREA
857041
HEIGHT
451264
25-Jun-2024
18:25



AFTER
MASS
121
AREA
757273
HEIGHT
451264
25-Jun-2024
19:31



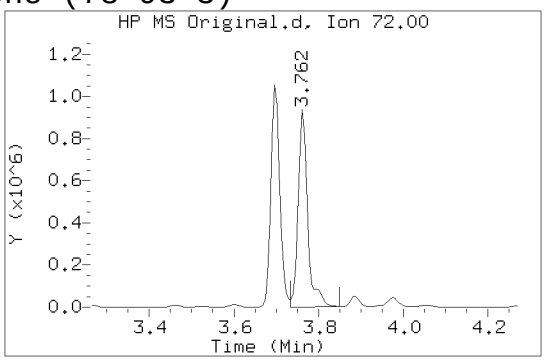
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Inj Date : 25-JUN-2024 13:05
InstruID : ms25.i
LabSampID : 1239

2-Butanone (78-93-3)

Reason Code: MP

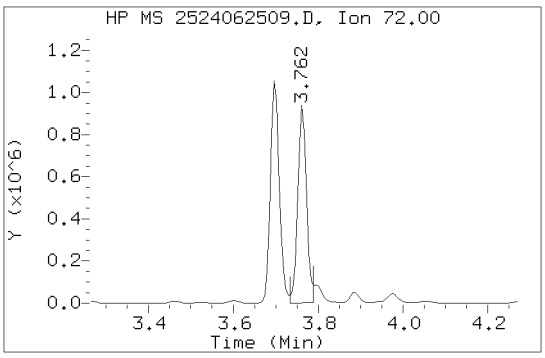
BEFORE

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72
AREA
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HEIGHT
938761
25-Jun-2024
18:25



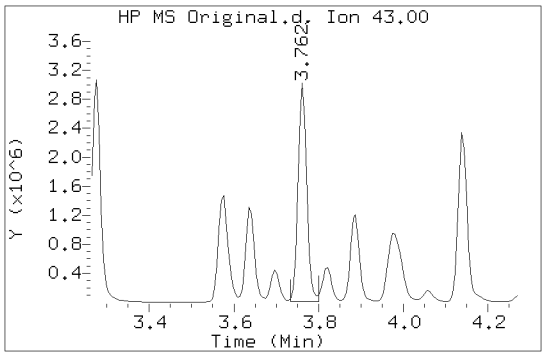
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25-Jun-2024
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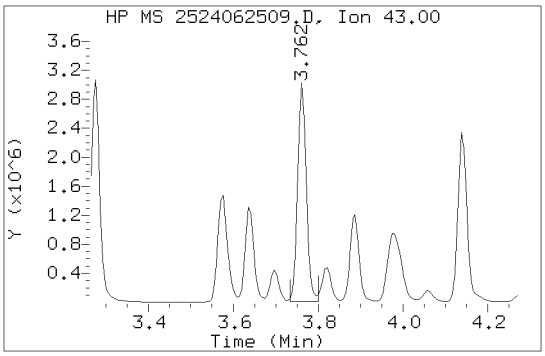
BEFORE

MASS
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HEIGHT
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25-Jun-2024
18:25



AFTER

MASS
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HEIGHT
3010929
25-Jun-2024
19:31

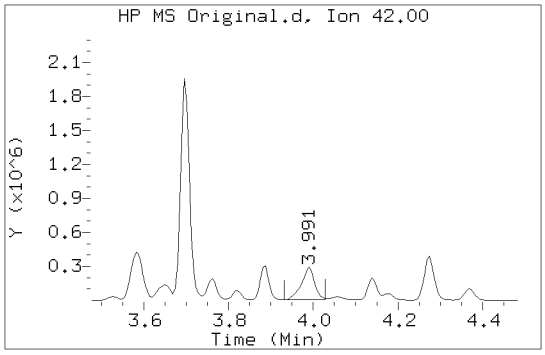


Isobutyl alcohol (78-83-1)

Reason Code: MP

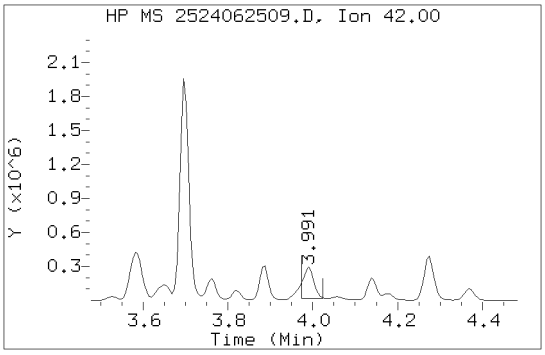
BEFORE

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HEIGHT
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25-Jun-2024
18:25



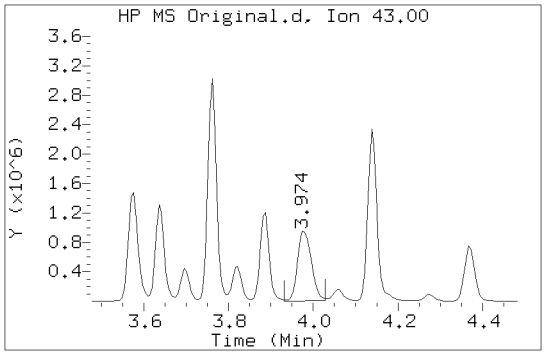
AFTER

MASS
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AREA
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25-Jun-2024
19:31



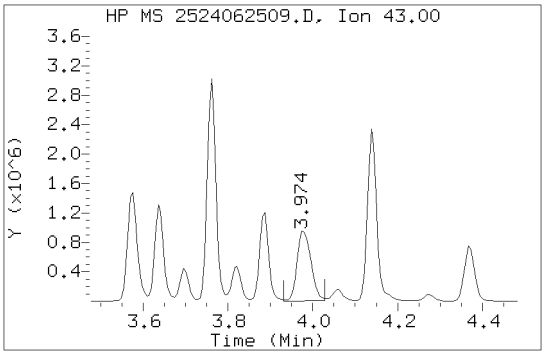
BEFORE

MASS
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AREA
2173621
HEIGHT
947154
25-Jun-2024
18:25



AFTER

MASS
43
AREA
2173621
HEIGHT
947154
25-Jun-2024
19:31



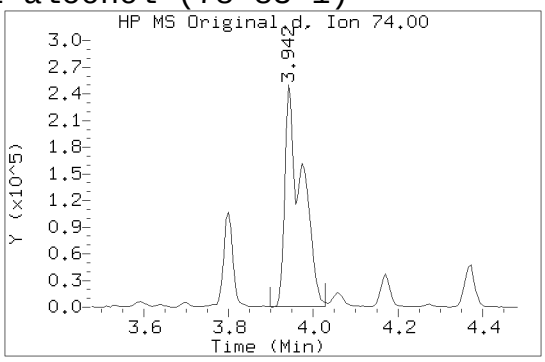
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Inj Date : 25-JUN-2024 13:05
InstruID : ms25.i
LabSampID : 1239

Isobutyl alcohol (78-83-1)

Reason Code: MP

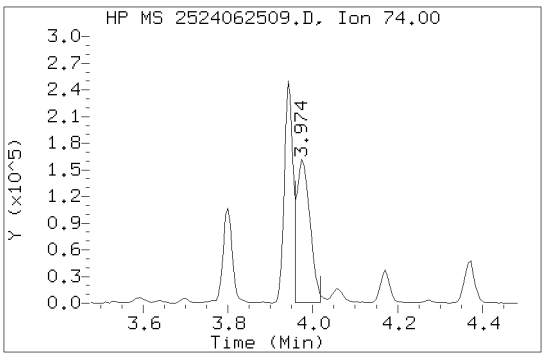
BEFORE

MASS
74
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698483
HEIGHT
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25-Jun-2024
18:25



AFTER

MASS
74
AREA
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HEIGHT
160765
25-Jun-2024
19:31

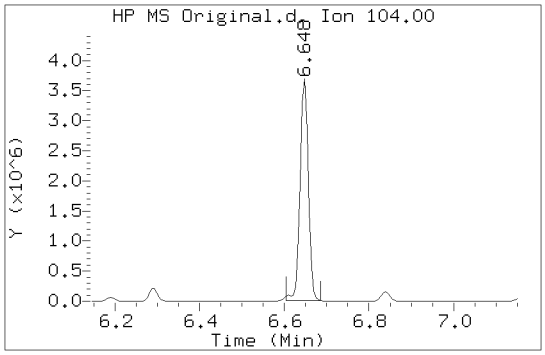


Styrene (100-42-5)

Reason Code: MP

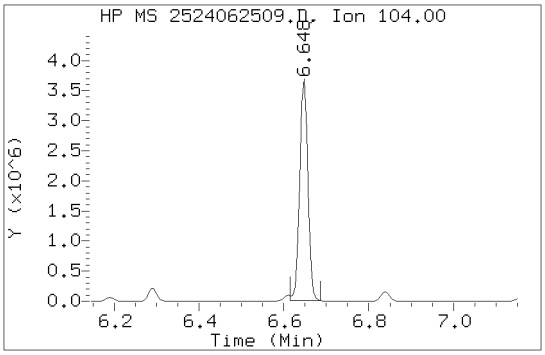
BEFORE

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AREA
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HEIGHT
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25-Jun-2024
18:25



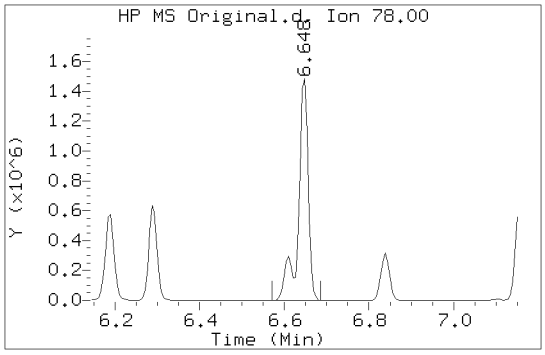
AFTER

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AREA
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HEIGHT
3687196
25-Jun-2024
19:31



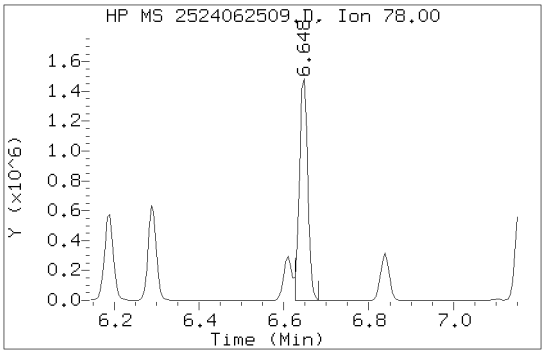
BEFORE

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HEIGHT
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25-Jun-2024
18:25



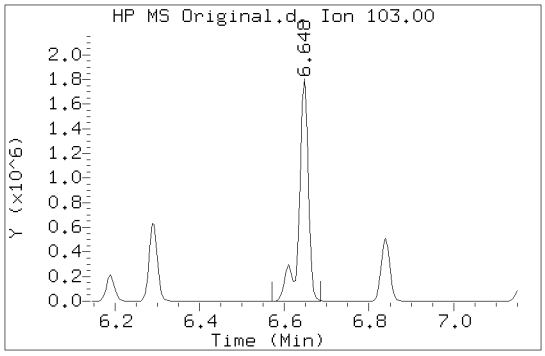
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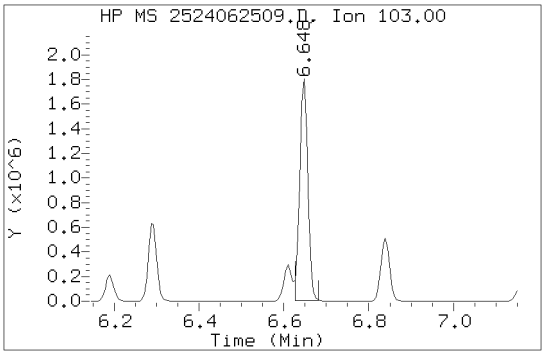
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AFTER

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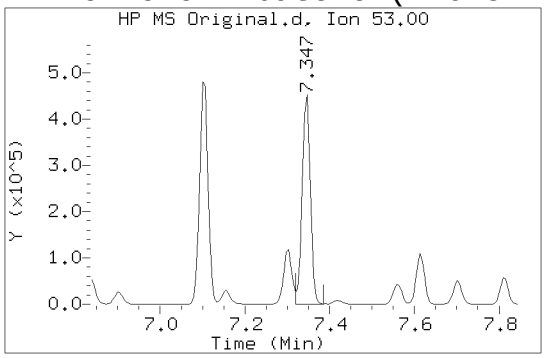


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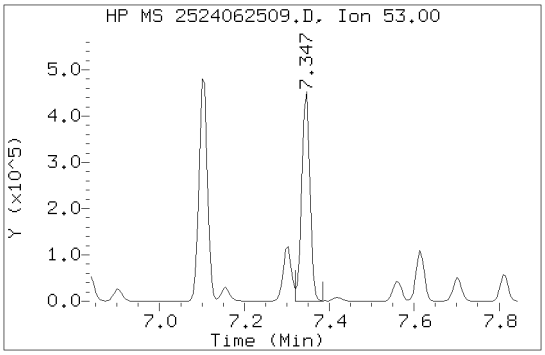
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

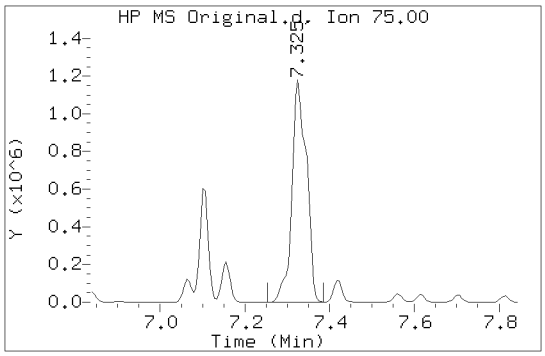
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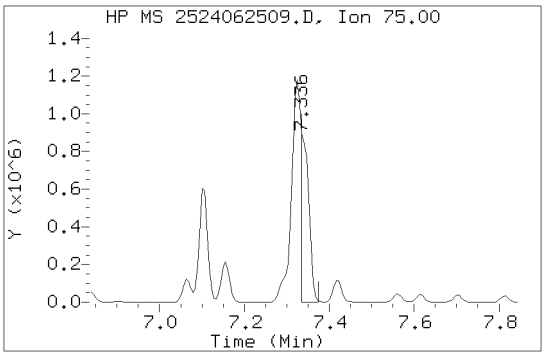
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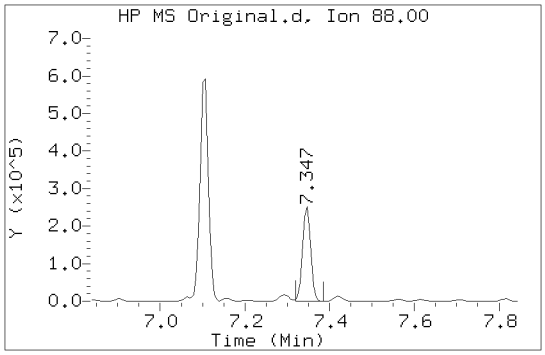
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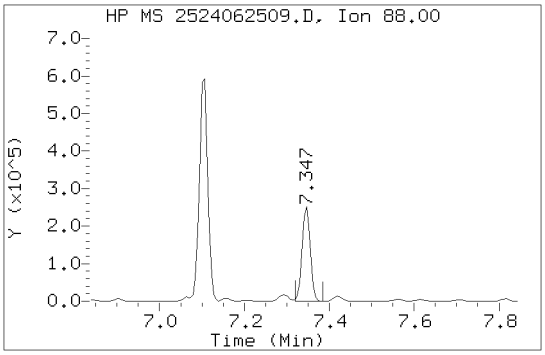
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BEFORE
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25-Jun-2024
18:25



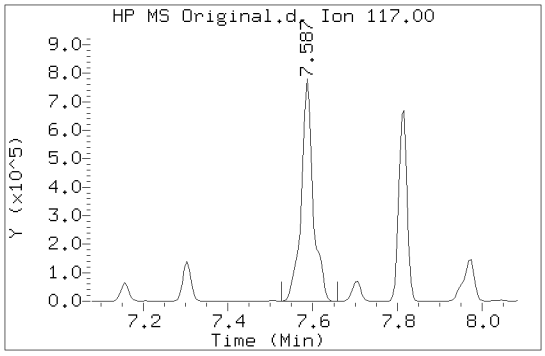
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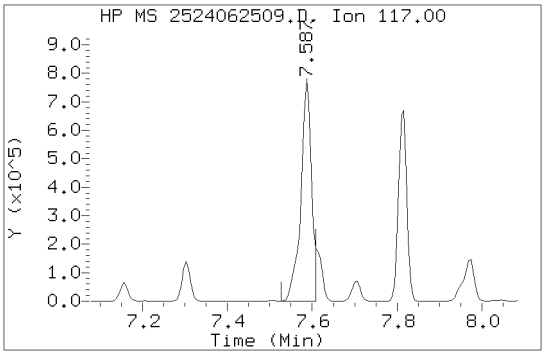
Pentachloroethane (76-01-7)

Reason Code: MP

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AFTER
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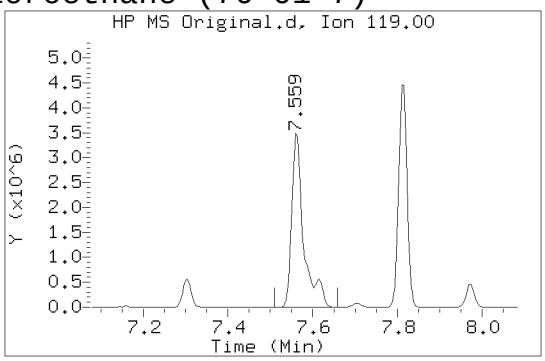
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LabSampID : 1239

Pentachloroethane (76-01-7)

Reason Code: MP

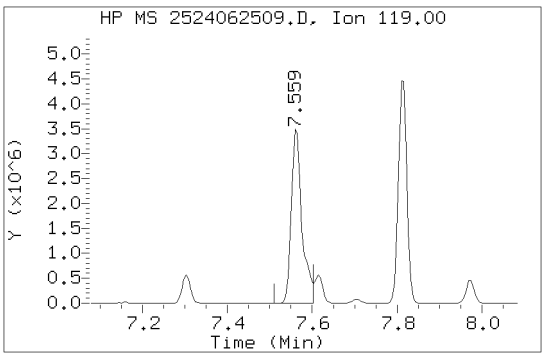
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25-Jun-2024
18:25



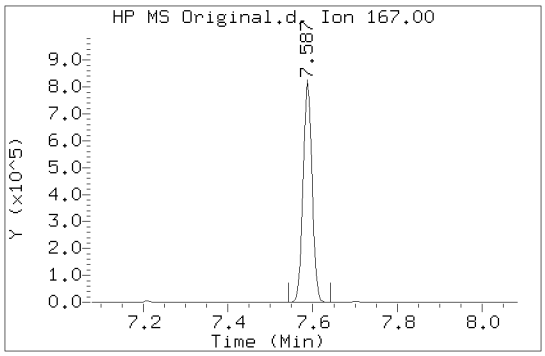
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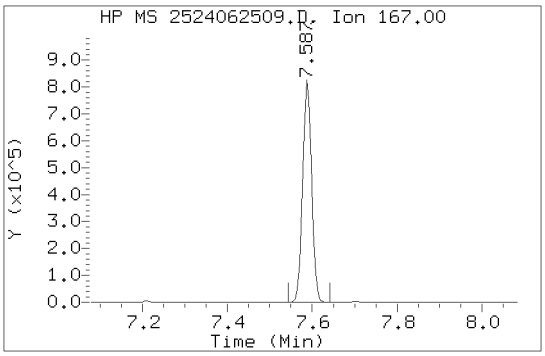
BEFORE

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25-Jun-2024
18:25



AFTER

MASS
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AREA
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HEIGHT
826368
25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 13:05
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062515ICVQ.D
Report Date: 25-Jun-2024 19:30

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

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Inj Date : 25-JUN-2024 15:08
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Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 15 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	251951	20.6685	20.6685	
2	Chloromethane	50	1.644	1.645	(0.394)	208848	19.5473	19.5473	
3	Vinyl Chloride	62	1.704	1.705	(0.409)	280887	20.3829	20.3829	
4	Bromomethane	94	1.922	1.923	(0.461)	135606	20.2997	20.2997	
5	Chloroethane	64	1.999	2.005	(0.479)	198690	21.1689	21.1689	
6	Pentane	41	2.086	2.092	(0.500)	183202	20.7239	20.7239	
7	Trichlorofluoromethane	101	2.092	2.103	(0.502)	384907	20.3916	20.3916	
8	Dichlorofluoromethane	67	2.124	2.125	(0.509)	405133	23.1960	23.1960	
9	Ethyl Ether	74	2.277	2.278	(0.546)	114503	21.5588	21.5588	
10	1,1-Dichloroethene	61	2.413	2.409	(0.579)	241984	22.8323	22.8323	
12	Carbon Disulfide	76	2.446	2.447	(0.587)	495835	21.6876	21.6876	
11	Freon 113	101	2.424	2.425	(0.581)	170212	22.8337	22.8337	
13	Iodomethane	127	2.506	2.507	(0.601)	67585	16.7923	16.7923	
14	Acrolein	56	2.599	2.600	(0.623)	272564	159.440	159.440	
16	3-Chloro-1-propene	41	2.675	2.676	(0.642)	210672	22.9067	22.9067	
15	Isopropyl Alcohol	45	2.654	2.654	(0.636)	58549	102.932	102.932	
17	Methylene Chloride	84	2.735	2.741	(0.656)	192795	22.2700	22.2700	
18	Acetone	58	2.757	2.752	(0.661)	103013	107.400	107.400	
19	Methyl acetate	74	2.812	2.812	(0.674)	42205	21.1799	21.1799(Q)	
20	trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	238437	22.9700	22.9700	
21	Hexane	57	2.861	2.867	(0.686)	364566	20.9440	20.9440	

Data File: 2524062515ICVQ.D
Report Date: 25-Jun-2024 19:30

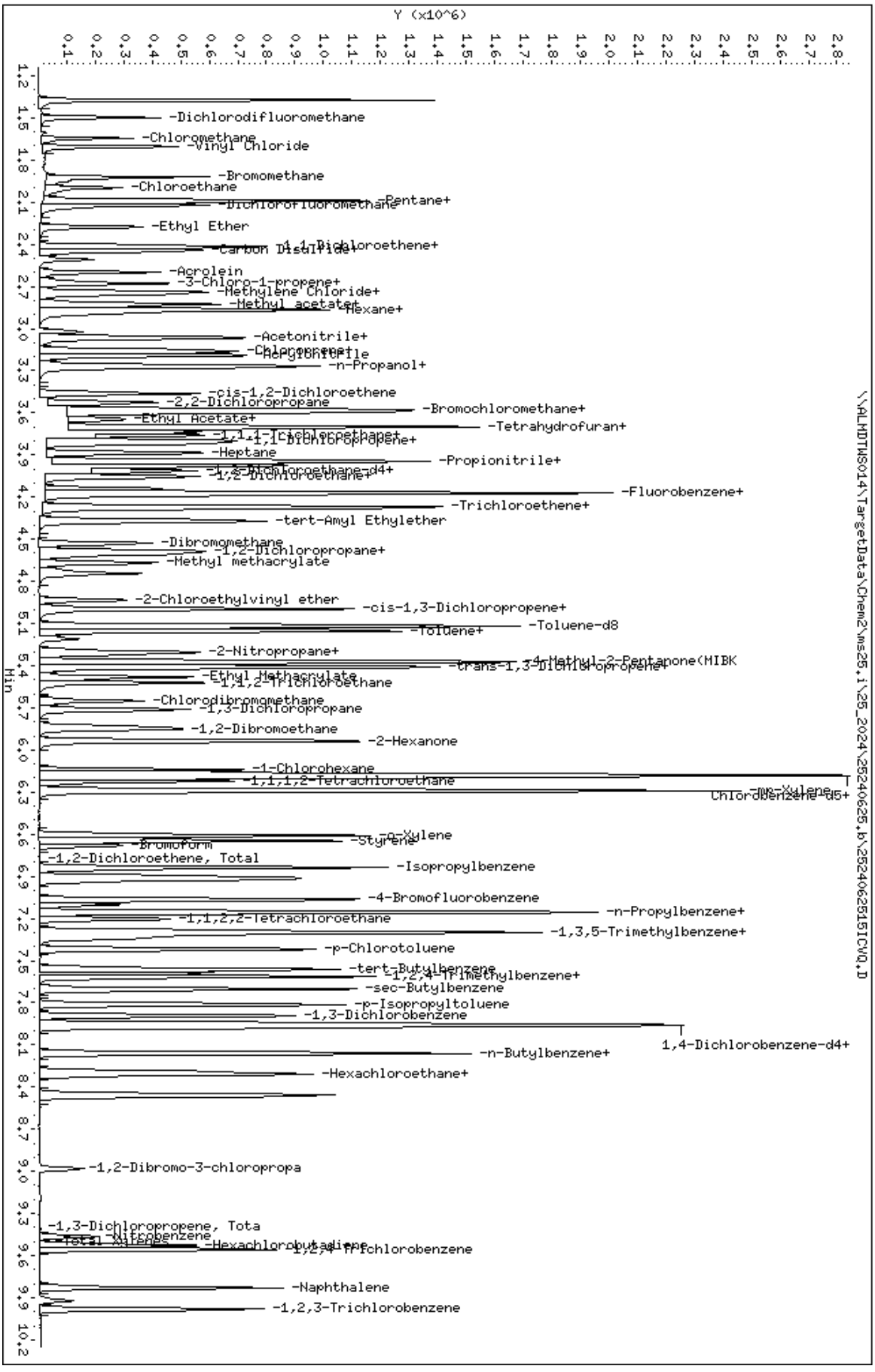
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	547401	20.6913	20.6913	
	23 tert.- Butyl Alcohol	59	2.899	2.889	(0.695)	107488	112.258	112.258	
	24 Acetonitrile	41	3.019	3.020	(0.724)	118663	110.637	110.637	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	518577	22.5098	22.5098	
	26 Chloroprene	53	3.156	3.156	(0.757)	267398	22.8940	22.8940	
	27 1,1-Dichloroethane	63	3.166	3.167	(0.759)	319400	22.5851	22.5851	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	419174	113.810	113.810(M)	MP
	30 n-Propanol	41	3.265	3.260	(0.783)	94386	207.961	207.961	
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	568234	23.2234	23.2234	
	31 Vinyl acetate	86	3.276	3.276	(0.785)	45058	18.9056	18.9056(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	237502	22.5651	22.5651	
	33 2,2-Dichloropropane	77	3.527	3.522	(0.846)	231583	20.5462	20.5462	
M	100 1,2-Dichloroethene, Total	61				475939	45.5351	45.5351	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	106286	23.4167	23.4167	
	35 Cyclohexane	84	3.587	3.587	(0.860)	285137	22.5780	22.5780	
	36 Chloroform	83	3.597	3.598	(0.863)	348031	22.7965	22.7965	
	37 Ethyl acetate	43	3.636	3.642	(0.872)	183312	19.9738	19.9738	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	191793	22.6294	22.6294	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	217824	19.6529	19.6529(M)	MP
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	275680	106.398	106.398	
$	41 Dibromofluoromethane	113	3.701	3.707	(0.887)	256125	29.4644	29.4644	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	280959	23.6438	23.6438	
	43 2-Butanone	72	3.761	3.767	(0.902)	137862	110.064	110.064(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	251179	22.3464	22.3464	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	155097	21.4567	21.4567	
	46 Heptane	71	3.887	3.887	(0.932)	136483	20.8997	20.8997	
	48 Propionitrile	54	3.941	3.942	(0.945)	155474	111.475	111.475	
	47 Benzene	78	3.941	3.942	(0.945)	744196	21.5406	21.5406	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	92810	22.1985	22.1985	
	50 tert-amyl methyl Ether	73	3.974	3.975	(0.953)	542174	22.9549	22.9549	
$	51 1,2-Dichloroethane-d4	65	4.018	4.013	(0.963)	262361	28.6313	28.6313(M)	MP
	54 Isobutyl alcohol	42	3.990	3.980	(0.957)	34211	163.562	163.562(QM)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	236551	21.7806	21.7806	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	83872	114.168	114.168	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1101692	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	452639	20.3518	20.3518	
	57 Trichloroethene	95	4.269	4.269	(1.024)	190652	21.8042	21.8042	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	304774	21.9417	21.9417	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	402469	19.7081	19.7081	
	60 Dibromomethane	93	4.525	4.526	(1.085)	123469	22.3369	22.3369	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	186337	22.4096	22.4096	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	233572	20.3931	20.3931	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	144674	21.9843	21.9843	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	120010	19.9453	19.9453	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	281300	19.5895	19.5895	
	67 Octane	85	5.000	5.000	(0.810)	115653	21.9595	21.9595	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	988189	29.1471	29.1471	
	69 Toluene	92	5.153	5.153	(0.835)	450960	20.9859	20.9859	
	70 Chloroacetonitrile	75	5.213	5.208	(0.844)	62587	116.835	116.835	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	216627	93.1119	93.1119	
	72 1,1-Dichloro-2-propanone	63	5.316	5.317	(0.861)	21848	97.0977	97.0977(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	928220	109.950	109.950	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	266554	20.0483	20.0483	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	172484	22.0433	22.0433	

Data File: 2524062515ICVQ.D
Report Date: 25-Jun-2024 19:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	76 Ethyl methacrylate	69	5.480	5.481	(0.888)	253851	19.7911	19.7911	
	77 1,1,2-Trichloroethane	83	5.518	5.524	(0.894)	147105	22.2809	22.2809	
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	179731	19.4308	19.4308	
	79 1,3-Dichloropropane	76	5.715	5.710	(0.926)	297226	22.7852	22.7852	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	175686	20.1319	20.1319	
	81 2-Hexanone	43	5.933	5.933	(0.961)	623906	107.801	107.801	
	82 1-Chlorohexane	91	6.140	6.146	(0.995)	255005	22.5573	22.5573	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	428222	30.0000		
	85 Ethylbenzene	106	6.189	6.190	(1.003)	268551	20.8965	20.8965	
	84 Chlorobenzene	112	6.184	6.184	(1.002)	479812	21.9107	21.9107	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	165593	20.2181	20.2181	
	87 mp-Xylene	106	6.288	6.288	(1.019)	633583	41.2141	41.2141	
M	120 1,3-Dichloropropene, Total	75				547854	39.6378	39.6378	
	88 o-Xylene	106	6.609	6.610	(1.071)	296259	20.3295	20.3295	
	89 Styrene	104	6.648	6.648	(0.836)	476196	21.1423	21.1423	
	90 Bromoform	173	6.680	6.686	(0.840)	117468	18.5434	18.5434	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	748030	23.7053	23.7053	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	306965	28.9025	28.9025	
M	121 TOTAL XYLENES	106				929842	61.5436	61.5436	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	202709	21.8398	21.8398	
	93 Bromobenzene	156	7.155	7.156	(0.900)	194158	21.3906	21.3906	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	202733	22.4719	22.4719	
	97 1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	558673	21.6275	21.6275	
	96 o-Chlorotoluene	91	7.291	7.292	(0.917)	534310	21.8801	21.8801	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	64224	22.0722	22.0722	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.341	(0.924)	54164	19.7417	19.7417(Q)	
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	488613	22.0900	22.0900	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	140218	22.6960	22.6960	
	103 Pentachloroethane	117	7.586	7.581	(0.954)	109789	17.8854	17.8854(QM)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.614	(0.957)	566890	20.6358	20.6358	
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	727916	22.8001	22.8001	
	106 p-Isopropyltoluene	134	7.815	7.816	(0.983)	160341	21.9313	21.9313	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	341074	22.3044	22.3044	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	383907	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	348388	21.8570	21.8570	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	146071	21.3796	21.3796(Q)	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	60049	16.0397	16.0397(Q)	
	112 Hexachloroethane	117	8.290	8.285	(1.043)	100711	18.6291	18.6291	
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	325146	22.3217	22.3217	
	114 1,2-Dibromo-3-chloropropane	75	8.978	8.984	(1.129)	31004	18.2352	18.2352	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	86105	165.714	165.714	
	116 Hexachlorobutadiene	225	9.529	9.524	(1.198)	100478	20.9968	20.9968	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	225852	23.4132	23.4132	
	118 Naphthalene	128	9.829	9.829	(1.236)	556398	19.8177	19.8177	
	119 1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	207382	19.3142	19.3142	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

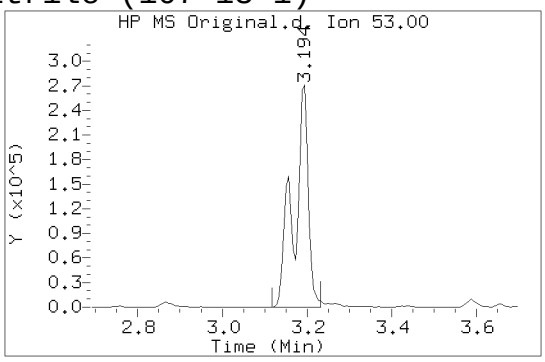

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Pentane+
-Ethyl Ether
-Carbon Disulfide+
-Acrolein
-3-Chloro-1-propene+
-Methylene Chloride+
-Hexane+
-Acetonitrile+
-n-Propanol+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Ethyl Acetate+
-Tetrahydrofuran+
-Heptane
-Propionitrile+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8
-Toluene+
-2-Nitropropane+
-4-Methyl-2-Pentanone(MIBK
-trans-1,3-Dichloropropene+
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
-m,p-Xylene+
Chlorobenzene-d5+
-o-Xylene
-Styrene
-Bromoform
-1,2-Dichloroethene, Total
-Isopropylbenzene
-4-Bromofluorobenzene
-n-Propylbenzene+
-1,1,2,2-Tetrachloroethane
-1,3,5-Trimethylbenzene+
-p-Chlorotoluene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene+
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-Nitrobenzene
-Total Xylenes
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
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Date : 25-JUN-2024 15:08
Client ID:
Sample Info: ICVQ;1;3;;ICVQ;1;
Purge Volume: 5.0
Column phase: DB-VRX
Instrument: ms25,i
Operator: ILY
Column diameter: 0.25
Page 1

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InstruID : ms25.i
LabSampID : ICVQ

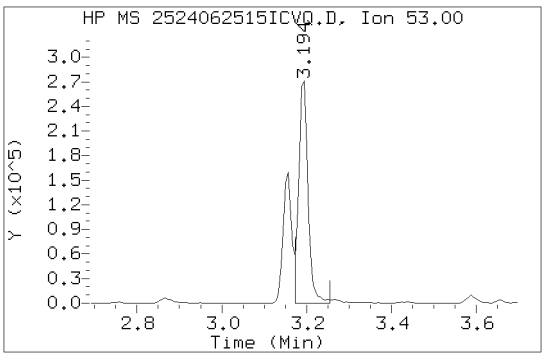
Acrylonitrile (107-13-1)

Reason Code: MP

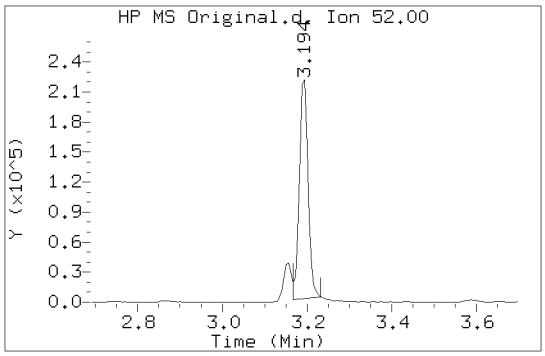
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MASS
53
AREA
631381
HEIGHT
271232
25-Jun-2024
19:15



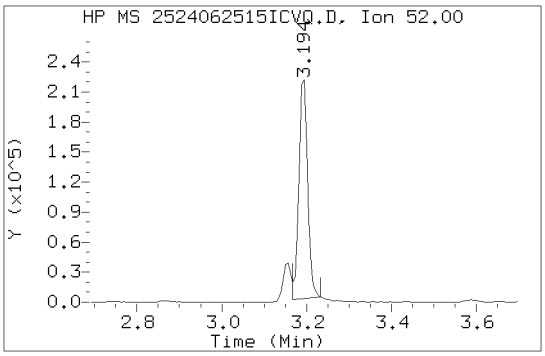
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53
AREA
419174
HEIGHT
270971
25-Jun-2024
19:30



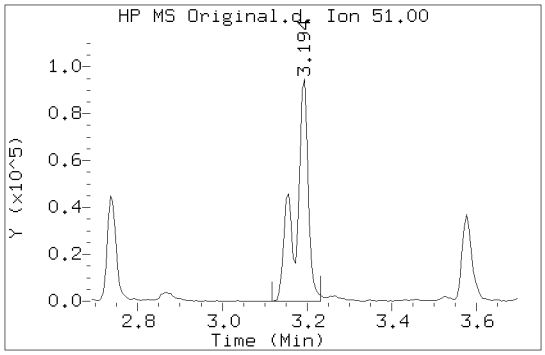
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MASS
52
AREA
316707
HEIGHT
218548
25-Jun-2024
19:15



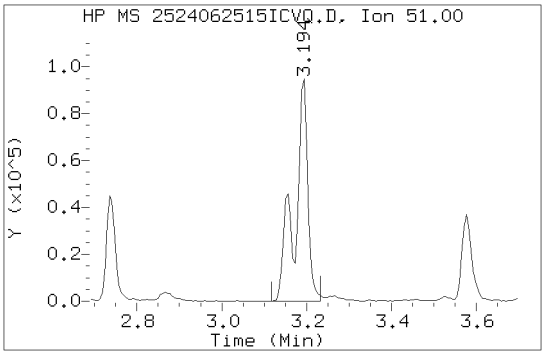
AFTER
MASS
52
AREA
316707
HEIGHT
218548
25-Jun-2024
19:30



BEFORE
MASS
51
AREA
202318
HEIGHT
94832
25-Jun-2024
19:15



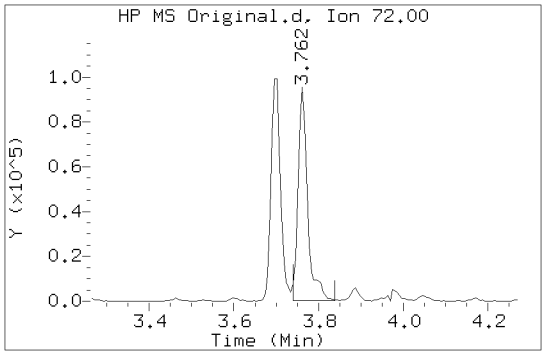
AFTER
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51
AREA
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HEIGHT
94832
25-Jun-2024
19:30



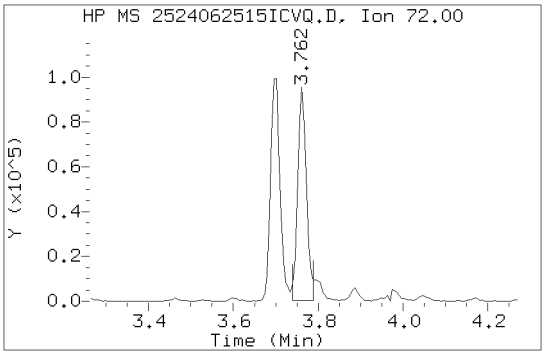
2-Butanone (78-93-3)

Reason Code: MP

BEFORE
MASS
72
AREA
149078
HEIGHT
95221
25-Jun-2024
19:15



AFTER
MASS
72
AREA
137862
HEIGHT
95221
25-Jun-2024
19:30

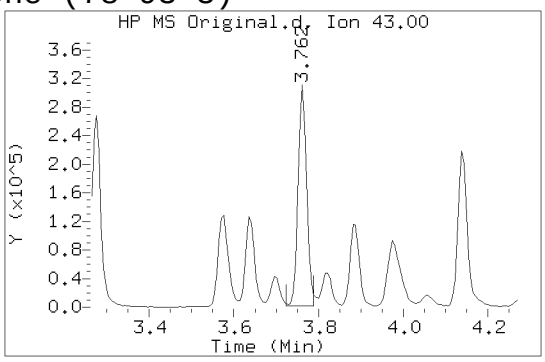


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LabSampID : ICVQ

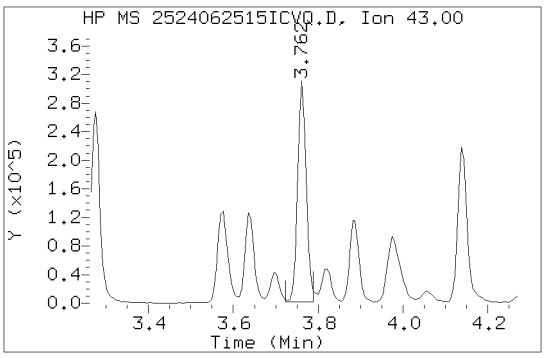
2-Butanone (78-93-3)

Reason Code: MP

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43
AREA
438170
HEIGHT
309348
25-Jun-2024
19:15



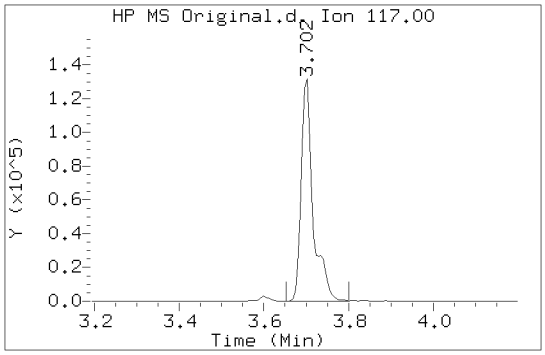
AFTER
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43
AREA
438170
HEIGHT
309348
25-Jun-2024
19:30



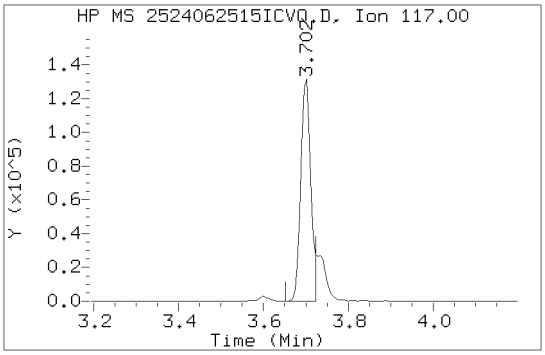
Carbon Tetrachloride (56-23-5)

Reason Code: MP

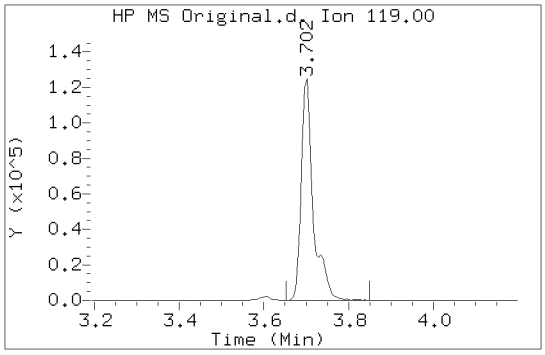
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MASS
117
AREA
258670
HEIGHT
131712
25-Jun-2024
19:15



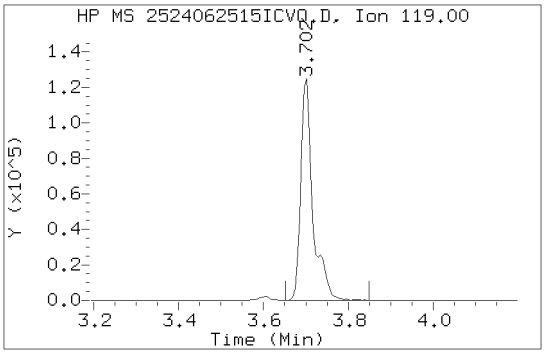
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AREA
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HEIGHT
131712
25-Jun-2024
19:30



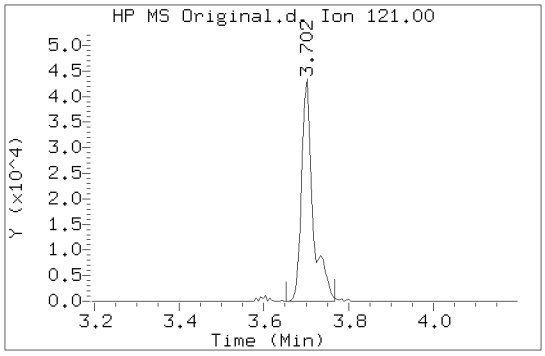
BEFORE
MASS
119
AREA
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HEIGHT
124944
25-Jun-2024
19:15



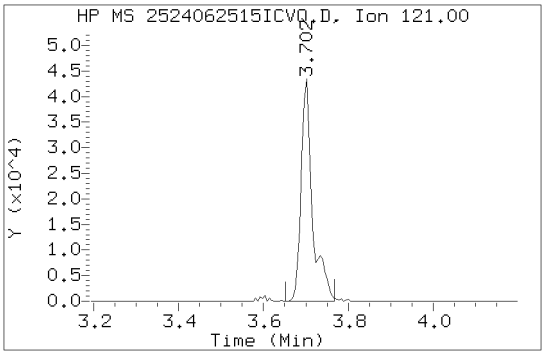
AFTER
MASS
119
AREA
248093
HEIGHT
124944
25-Jun-2024
19:30



BEFORE
MASS
121
AREA
81141
HEIGHT
43440
25-Jun-2024
19:15



AFTER
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121
AREA
81141
HEIGHT
43440
25-Jun-2024
19:30

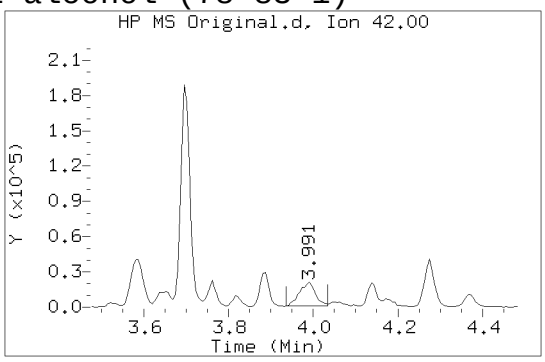


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LabSampID : ICVQ

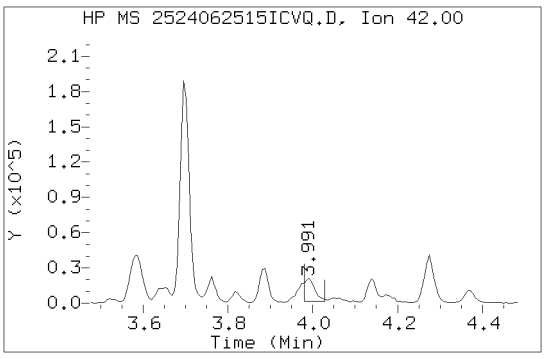
Isobutyl alcohol (78-83-1)

Reason Code: MP

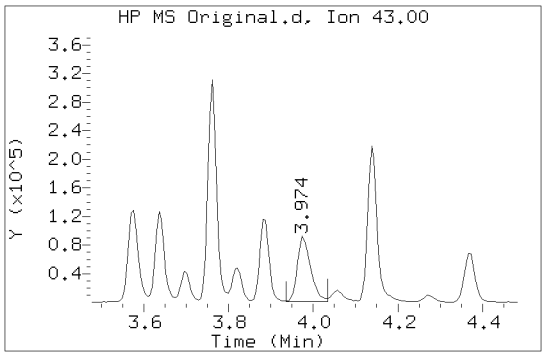
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MASS
42
AREA
52636
HEIGHT
20290
25-Jun-2024
19:15



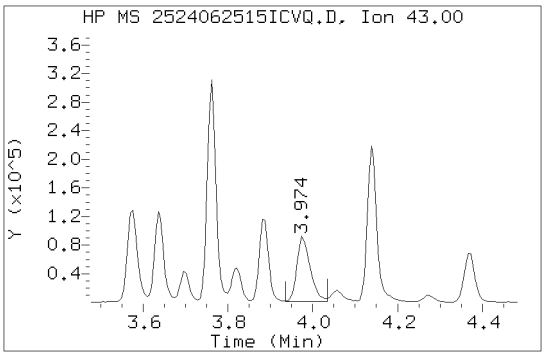
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MASS
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AREA
34211
HEIGHT
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25-Jun-2024
19:30



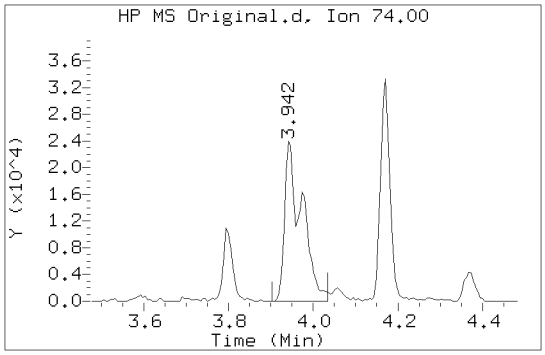
BEFORE
MASS
43
AREA
201412
HEIGHT
92297
25-Jun-2024
19:15



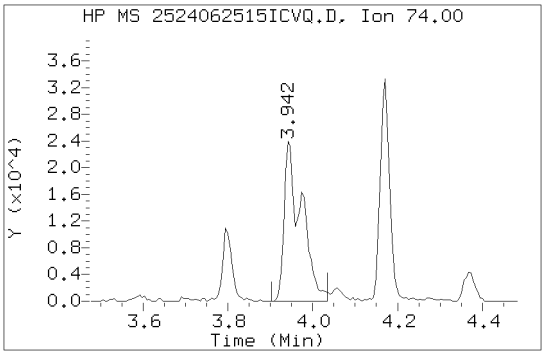
AFTER
MASS
43
AREA
201412
HEIGHT
92297
25-Jun-2024
19:30



BEFORE
MASS
74
AREA
68348
HEIGHT
23944
25-Jun-2024
19:15



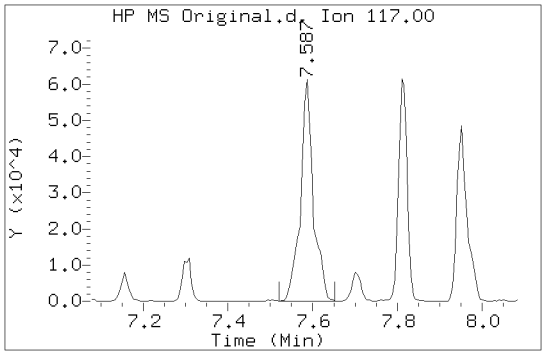
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MASS
74
AREA
68348
HEIGHT
23944
25-Jun-2024
19:30



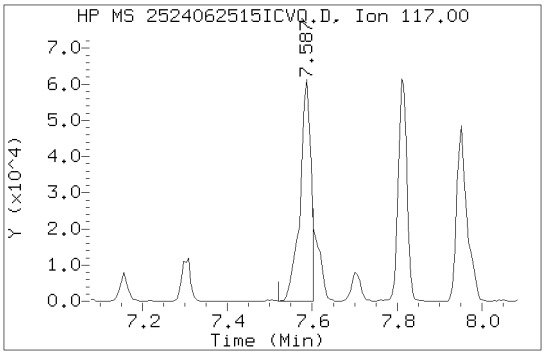
Pentachloroethane (76-01-7)

Reason Code: MP

BEFORE
MASS
117
AREA
129320
HEIGHT
61344
25-Jun-2024
19:15



AFTER
MASS
117
AREA
109789
HEIGHT
61344
25-Jun-2024
19:30

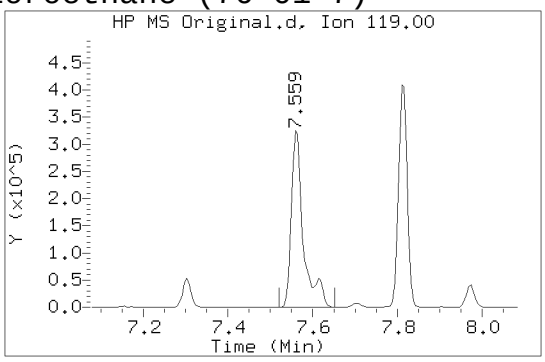


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LabSampID : ICVQ

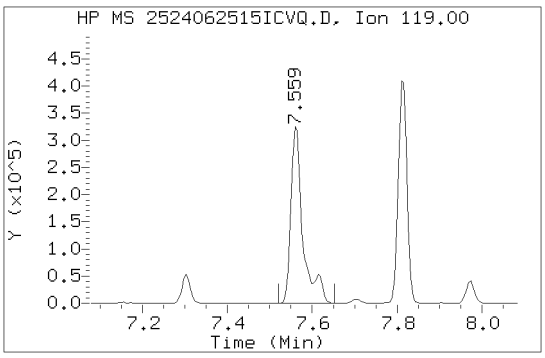
Pentachloroethane (76-01-7)

Reason Code: MP

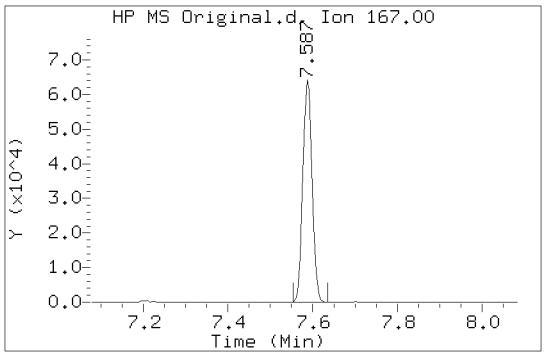
BEFORE
MASS
119
AREA
643920
HEIGHT
325696
25-Jun-2024
19:15



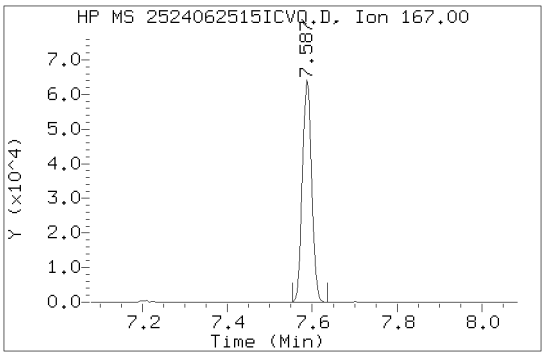
AFTER
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119
AREA
643920
HEIGHT
325696
25-Jun-2024
19:30



BEFORE
MASS
167
AREA
98097
HEIGHT
64208
25-Jun-2024
19:15



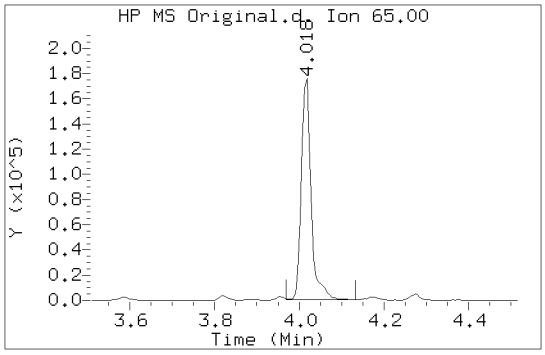
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AREA
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HEIGHT
64208
25-Jun-2024
19:30



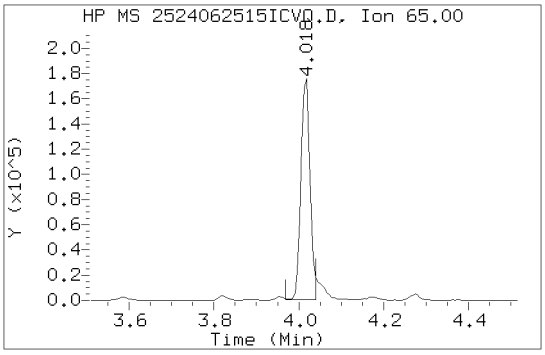
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

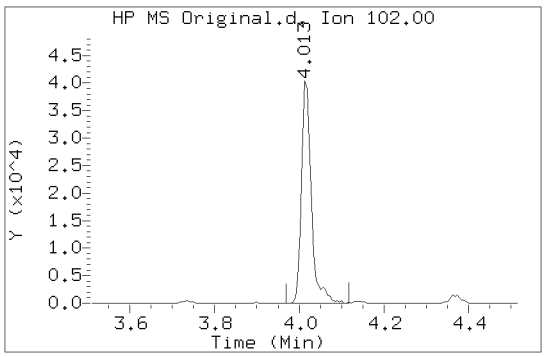
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MASS
65
AREA
281156
HEIGHT
175231
25-Jun-2024
19:15



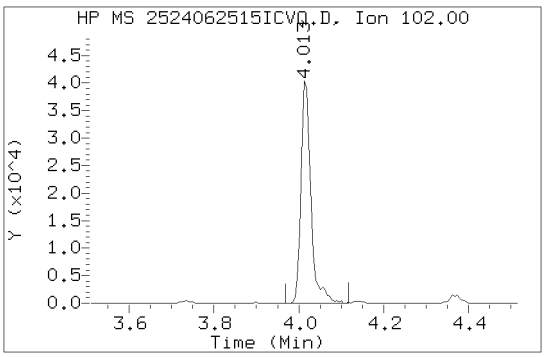
AFTER
MASS
65
AREA
262361
HEIGHT
175231
25-Jun-2024
19:30



BEFORE
MASS
102
AREA
66020
HEIGHT
40384
25-Jun-2024
19:15



AFTER
MASS
102
AREA
66020
HEIGHT
40384
25-Jun-2024
19:30



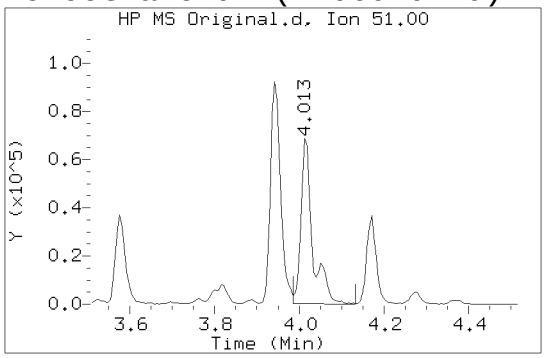
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Inj Date : 25-JUN-2024 15:08
InstruID : ms25.i
LabSampID : ICVQ

1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

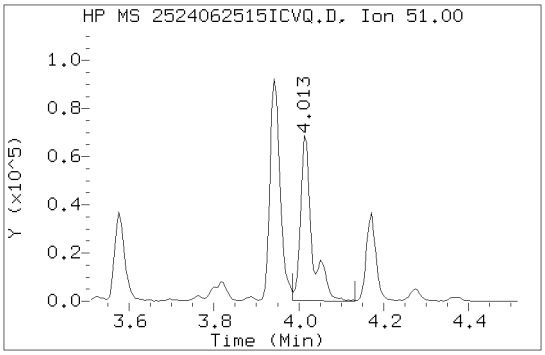
BEFORE

MASS
51
AREA
131671
HEIGHT
68658
25-Jun-2024
19:15



AFTER

MASS
51
AREA
131671
HEIGHT
68658
25-Jun-2024
19:30



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:30
Client ID:
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Inj Date: 25-JUN-2024 15:08
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062532.D Page 1
Report Date: 25-Jun-2024 21:56

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062532.D
Lab Smp Id: 1801
Inj Date : 25-JUN-2024 20:54
Operator : ILY Inst ID: ms25.i
Smp Info : 1801;;1;;;;;
Misc Info :
Comment :
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Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 31 QC Sample: ENDCCV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	525294	45.8314	45.8314	
2 Chloromethane	50	1.644	1.645	(0.394)	479677	47.9181	47.9181	
3 Vinyl Chloride	62	1.704	1.705	(0.409)	607277	46.8693	46.8693	
4 Bromomethane	94	1.922	1.923	(0.461)	329775	53.2020	53.2020	
5 Chloroethane	64	2.004	2.005	(0.481)	405653	46.3273	46.3273	
6 Pentane	41	2.092	2.092	(0.502)	324450	39.9703	39.9703	
7 Trichlorofluoromethane	101	2.097	2.103	(0.503)	810436	45.6648	45.6648	
8 Dichlorofluoromethane	67	2.124	2.125	(0.509)	867118	52.8033	52.8033	
9 Ethyl Ether	74	2.277	2.278	(0.546)	272722	54.6128	54.6128	
10 1,1-Dichloroethene	61	2.414	2.409	(0.579)	508553	51.0347	51.0347	
12 Carbon Disulfide	76	2.446	2.447	(0.587)	1095807	50.9771	50.9771	
11 Freon 113	101	2.424	2.425	(0.581)	337214	48.1126	48.1126	
13 Iodomethane	127	2.506	2.507	(0.601)	181958	47.1306	47.1306	
14 Acrolein	56	2.599	2.600	(0.623)	408273	254.008	254.008	
16 3-Chloro-1-propene	41	2.681	2.676	(0.643)	437614	50.3967	50.3967	
15 Isopropyl Alcohol	45	2.654	2.654	(0.636)	131858	250.983	250.983	
17 Methylene Chloride	84	2.741	2.741	(0.657)	438346	53.8528	53.8528	
18 Acetone	58	2.757	2.752	(0.661)	224851	249.331	249.331	
19 Methyl acetate	74	2.817	2.812	(0.676)	101212	54.6756	54.6756	
20 trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	518305	53.1055	53.1055	
21 Hexane	57	2.866	2.867	(0.687)	711782	43.8068	43.8068	

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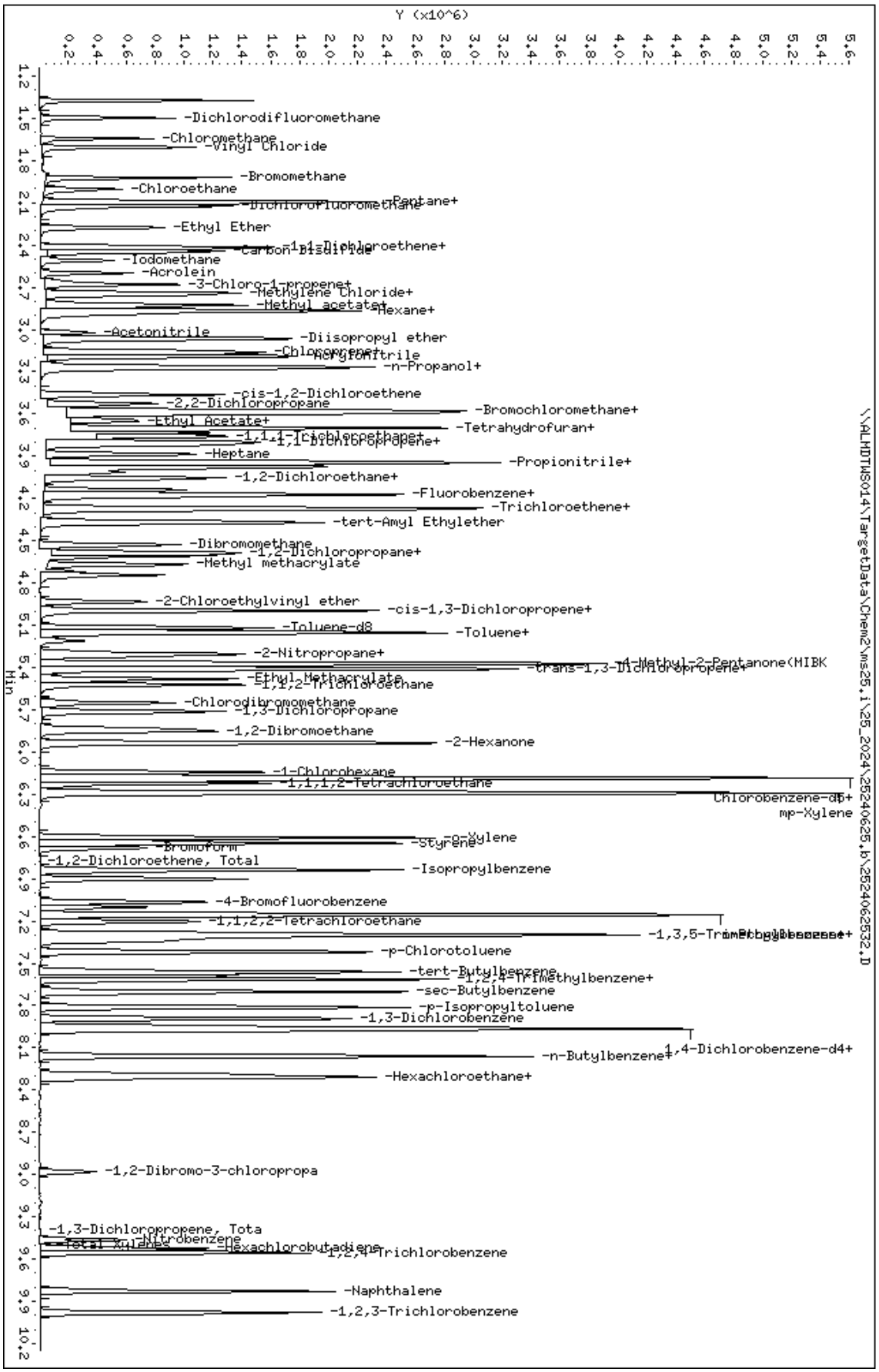
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	1267674	50.6252	50.6252	
	23 tert.- Butyl Alcohol	59	2.894	2.889	(0.694)	246956	274.312	274.312	
	24 Acetonitrile	41	3.019	3.020	(0.724)	280006	277.663	277.663	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	1203908	55.5801	55.5801	
	26 Chloroprene	53	3.156	3.156	(0.757)	591465	53.8591	53.8591	
	27 1,1-Dichloroethane	63	3.172	3.167	(0.761)	713253	53.6411	53.6411	
	28 Acrylonitrile	53	3.188	3.194	(0.765)	981416	283.404	283.404(M)	MP
	30 n-Propanol	41	3.265	3.260	(0.783)	218709	512.517	512.517	
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	1299982	56.5071	56.5071	
	31 Vinyl acetate	86	3.276	3.276	(0.785)	105989	46.7240	46.7240(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	531630	53.7214	53.7214	
	33 2,2-Dichloropropane	77	3.527	3.522	(0.846)	446069	42.0914	42.0914	
M	100 1,2-Dichloroethene, Total	61				1049935	106.827	106.827	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	242746	56.8813	56.8813	
	35 Cyclohexane	84	3.587	3.587	(0.860)	585418	49.3020	49.3020	
	36 Chloroform	83	3.603	3.598	(0.864)	784870	54.6784	54.6784	
	37 Ethyl acetate	43	3.636	3.642	(0.872)	429365	49.8859	49.8859	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	441224	55.3689	55.3689	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	499575	47.3403	47.3403(M)	MP
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	658634	270.358	270.358	
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	238727	29.2088	29.2088	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	596876	53.4226	53.4226	
	43 2-Butanone	72	3.761	3.767	(0.902)	313984	266.609	266.609(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	538663	50.9692	50.9692	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	338956	49.8736	49.8736	
	46 Heptane	71	3.887	3.887	(0.932)	241675	39.3605	39.3605	
	48 Propionitrile	54	3.941	3.942	(0.945)	370497	282.534	282.534	
	47 Benzene	78	3.941	3.942	(0.945)	1660781	51.1268	51.1268	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	216882	55.1721	55.1721	
	50 tert-amyl methyl Ether	73	3.974	3.975	(0.953)	1268373	57.1151	57.1151	
$	51 1,2-Dichloroethane-d4	65	4.018	4.013	(0.963)	252196	29.2716	29.2716(QM)	MP
	54 Isobutyl alcohol	42	3.990	3.980	(0.957)	112290	560.978	560.978(QM)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	541498	53.0284	53.0284	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	181059	262.129	262.129	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1035841	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	892825	44.3524	44.3524	
	57 Trichloroethene	95	4.269	4.269	(1.024)	414129	50.3734	50.3734	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	612081	48.8072	48.8072	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	970569	50.1385	50.1385	
	60 Dibromomethane	93	4.525	4.526	(1.085)	288229	55.4586	55.4586	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	427891	54.7311	54.7311	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	537769	49.4596	49.4596	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	355887	57.5178	57.5178	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	273371	47.7950	47.7950	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	665996	50.9131	50.9131	
	67 Octane	85	5.000	5.000	(0.810)	199779	42.0144	42.0144	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	933963	30.5118	30.5118	
	69 Toluene	92	5.153	5.153	(0.835)	1004603	51.7805	51.7805	
	70 Chloroacetonitrile	75	5.213	5.208	(0.844)	135807	280.797	280.797	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	543687	255.508	255.508	
	72 1,1-Dichloro-2-propanone	63	5.316	5.317	(0.861)	52704	256.192	256.192(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	2153105	280.899	280.899	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	612827	50.5932	50.5932	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	399230	56.5110	56.5110	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	76 Ethyl methacrylate	69	5.480	5.481	(0.888)	626868	53.5835	53.5835	
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	339266	56.9151	56.9151	
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	440113	52.0694	52.0694	
	79 1,3-Dichloropropane	76	5.715	5.710	(0.926)	686667	58.3036	58.3036	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	422049	53.1777	53.1777	
	81 2-Hexanone	43	5.933	5.933	(0.961)	1441053	274.053	274.053	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	526774	51.6113	51.6113	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	386622	30.0000		
	85 Ethylbenzene	106	6.189	6.190	(1.003)	584392	50.5549	50.5549	
	84 Chlorobenzene	112	6.184	6.184	(1.002)	1118023	56.5483	56.5483	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	390118	52.2450	52.2450	
	87 mp-Xylene	106	6.288	6.288	(1.019)	1403951	102.305	102.305	
M	120 1,3-Dichloropropene, Total	75				1278823	101.506	101.506	
	88 o-Xylene	106	6.610	6.610	(1.071)	674772	51.2855	51.2855	
	89 Styrene	104	6.648	6.648	(0.836)	1109684	52.2144	52.2144	
	90 Bromoform	173	6.680	6.686	(0.840)	300814	50.1219	50.1219	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	1511311	51.0241	51.0241	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	310618	31.2554	31.2554	
M	121 TOTAL XYLENES	106				2078723	153.590	153.590	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	467813	53.8641	53.8641	
	93 Bromobenzene	156	7.155	7.156	(0.900)	475757	56.0151	56.0151	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	494856	58.6199	58.6199	
	97 1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	1315592	54.4278	54.4278	
	96 o-Chlorotoluene	91	7.292	7.292	(0.917)	1282789	56.1388	56.1388	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	154034	56.5737	56.5737	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.341	(0.924)	124784	48.1811	48.1811(Q)	
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	1158317	55.9641	55.9641	
	102 tert-Butylbenzene	134	7.564	7.559	(0.951)	322322	55.7554	55.7554	
	103 Pentachloroethane	117	7.586	7.581	(0.954)	268063	46.1989	46.1989(QM)	MP
	104 1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	1320277	51.5885	51.5885	
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	1665313	55.7445	55.7445	
	106 p-Isopropyltoluene	134	7.815	7.816	(0.983)	370347	54.1351	54.1351	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	799382	55.8659	55.8659	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	359232	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	813676	54.5545	54.5545	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	324917	50.8228	50.8228(Q)	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	121588	34.1616	34.1616(Q)	
	112 Hexachloroethane	117	8.290	8.285	(1.043)	246708	48.1401	48.1401	
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	780850	57.2885	57.2885	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	82002	50.7864	50.7864	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	250676	476.139	476.139	
	116 Hexachlorobutadiene	225	9.529	9.524	(1.198)	204556	45.3862	45.3862	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	503609	55.7932	55.7932	
	118 Naphthalene	128	9.829	9.829	(1.236)	1345077	50.6923	50.6923	
	119 1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	498818	49.1889	49.1889	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



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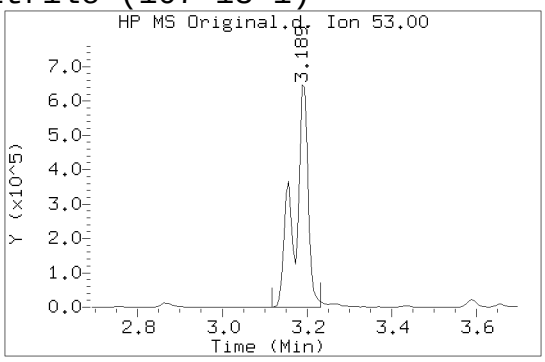
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Operator: ILY
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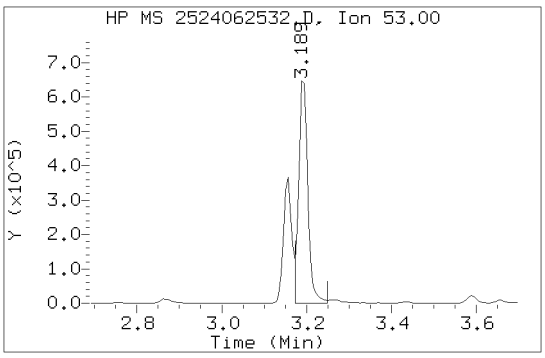
Acrylonitrile (107-13-1)

Reason Code: MP

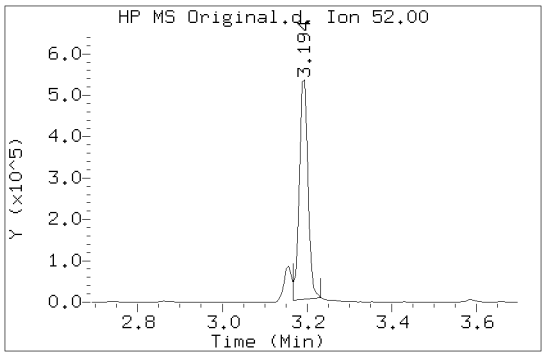
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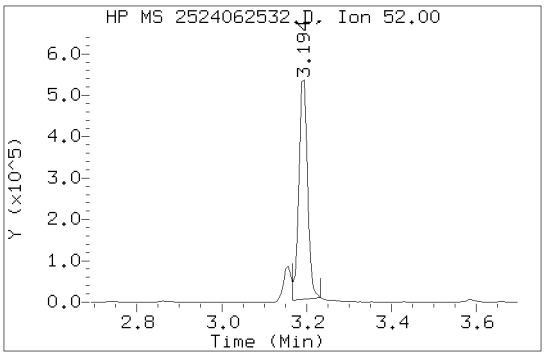
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21:56



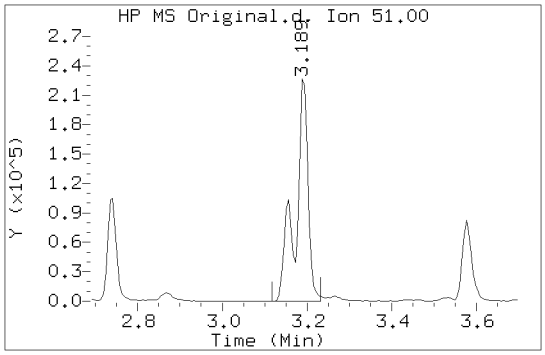
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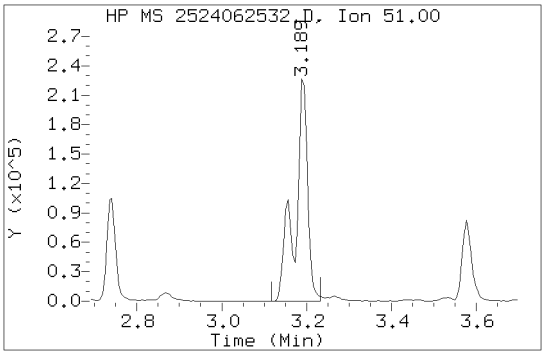
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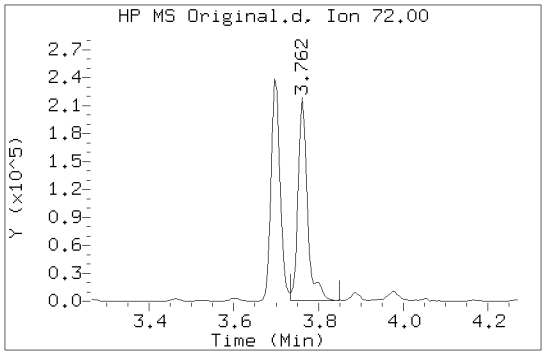
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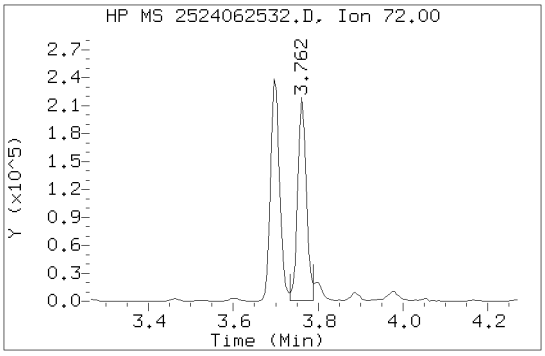
2-Butanone (78-93-3)

Reason Code: MP

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AFTER
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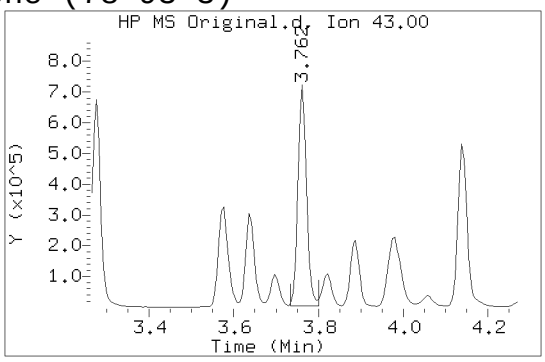


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LabSampID : 1801

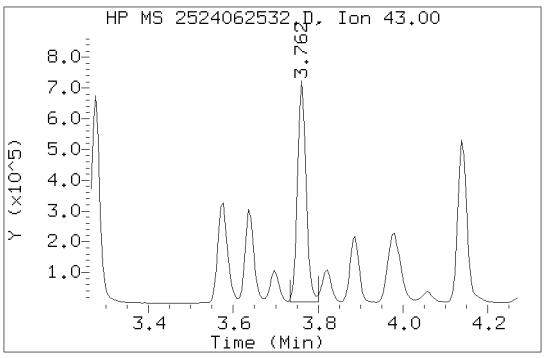
2-Butanone (78-93-3)

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21:54



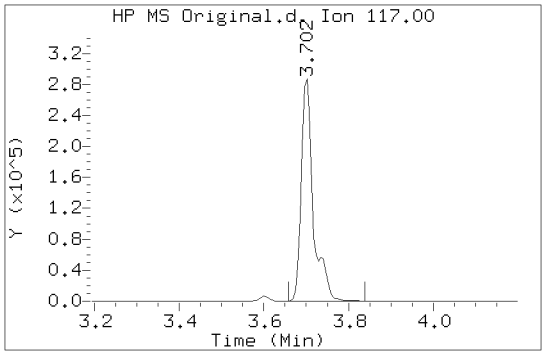
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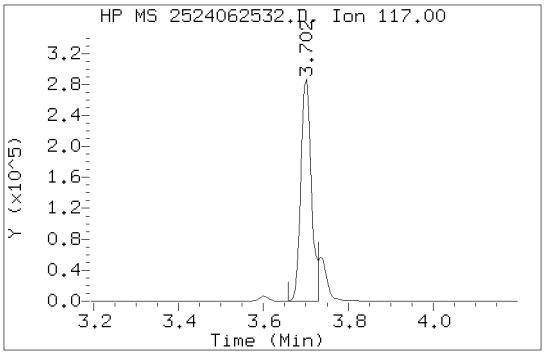
Carbon Tetrachloride (56-23-5)

Reason Code: MP

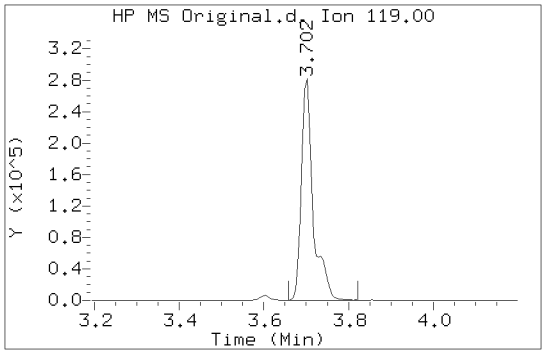
BEFORE
MASS
117
AREA
569738
HEIGHT
287168
25-Jun-2024
21:54



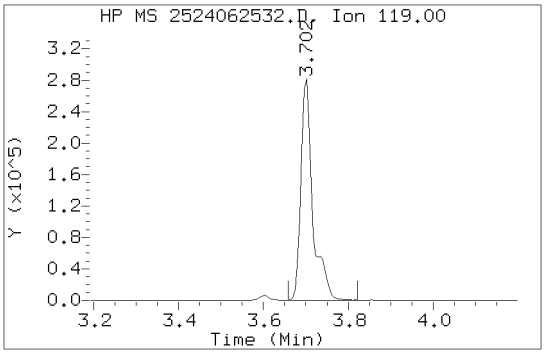
AFTER
MASS
117
AREA
499575
HEIGHT
287168
25-Jun-2024
21:56



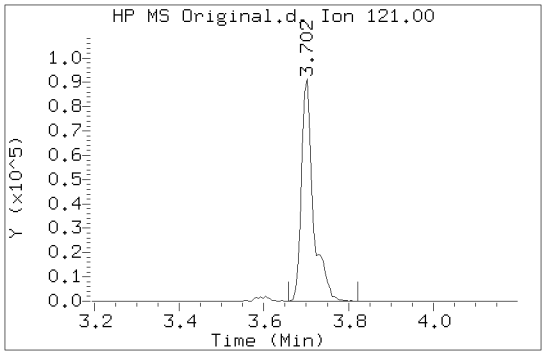
BEFORE
MASS
119
AREA
550685
HEIGHT
281920
25-Jun-2024
21:54



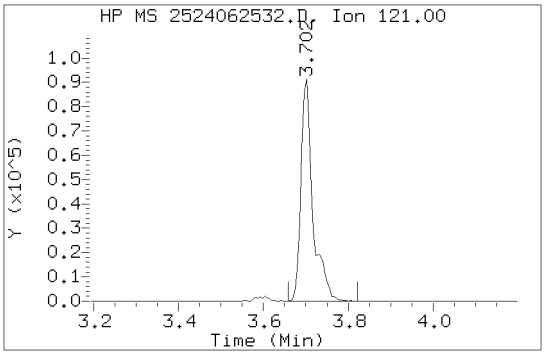
AFTER
MASS
119
AREA
550685
HEIGHT
281920
25-Jun-2024
21:56



BEFORE
MASS
121
AREA
178729
HEIGHT
91408
25-Jun-2024
21:54



AFTER
MASS
121
AREA
178729
HEIGHT
91408
25-Jun-2024
21:56

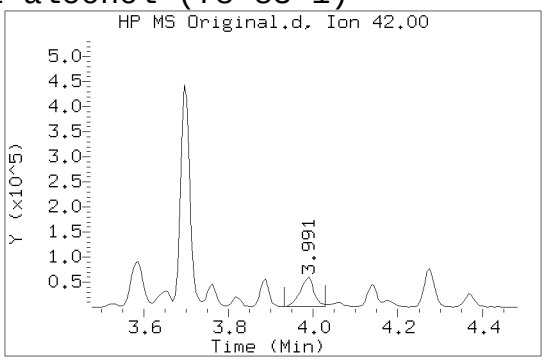


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Inj Date : 25-JUN-2024 20:54
InstruID : ms25.i
LabSampID : 1801

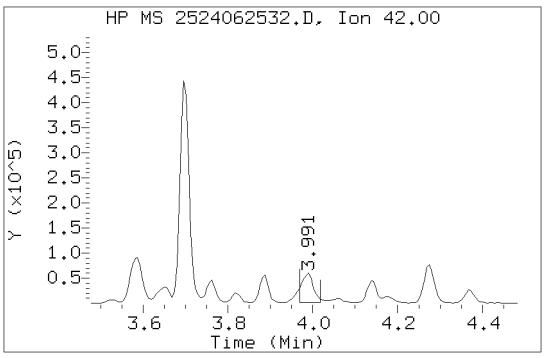
Isobutyl alcohol (78-83-1)

Reason Code: MP

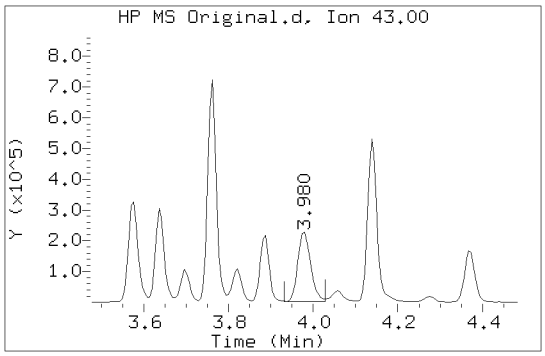
BEFORE
MASS
42
AREA
135226
HEIGHT
58796
25-Jun-2024
21:54



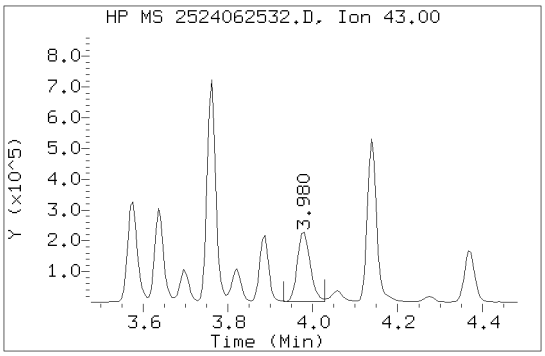
AFTER
MASS
42
AREA
112290
HEIGHT
58233
25-Jun-2024
21:56



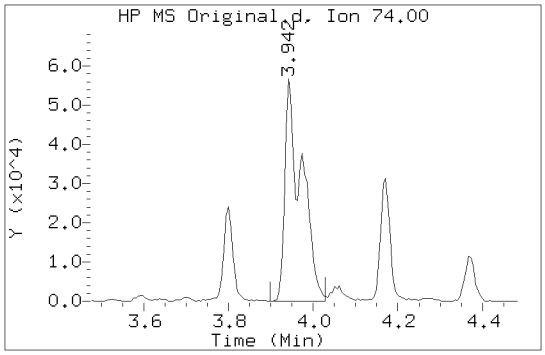
BEFORE
MASS
43
AREA
483601
HEIGHT
225604
25-Jun-2024
21:54



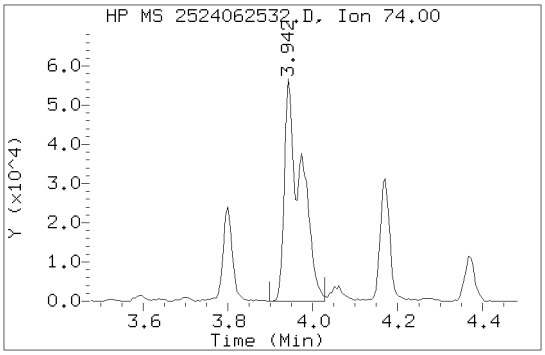
AFTER
MASS
43
AREA
483601
HEIGHT
225604
25-Jun-2024
21:56



BEFORE
MASS
74
AREA
156027
HEIGHT
56712
25-Jun-2024
21:54



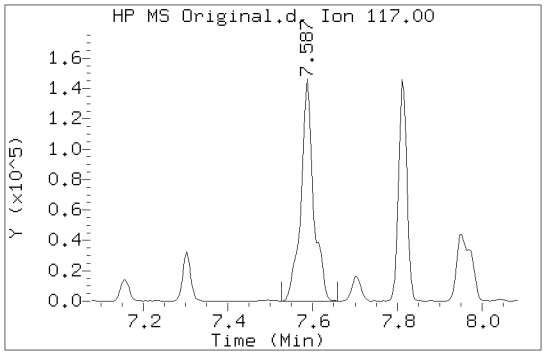
AFTER
MASS
74
AREA
156027
HEIGHT
56712
25-Jun-2024
21:56



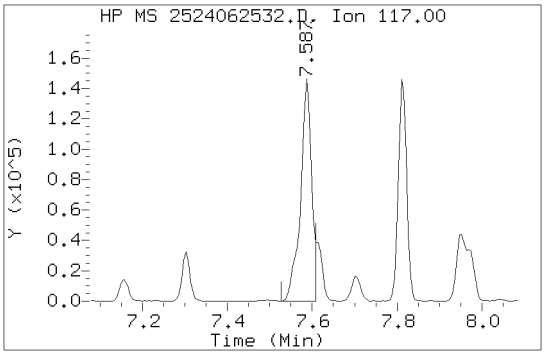
Pentachloroethane (76-01-7)

Reason Code: MP

BEFORE
MASS
117
AREA
302592
HEIGHT
146304
25-Jun-2024
21:54



AFTER
MASS
117
AREA
268063
HEIGHT
146304
25-Jun-2024
21:56



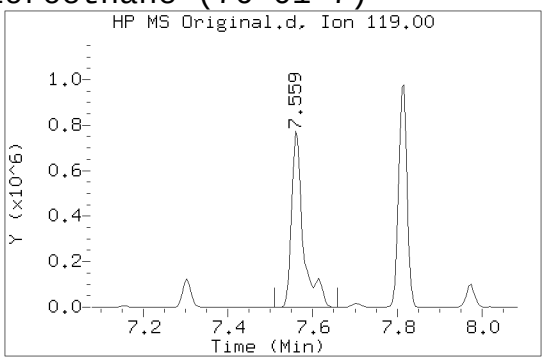
Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062532.D
Inj Date : 25-JUN-2024 20:54
InstruID : ms25.i
LabSampID : 1801

Pentachloroethane (76-01-7)

Reason Code: MP

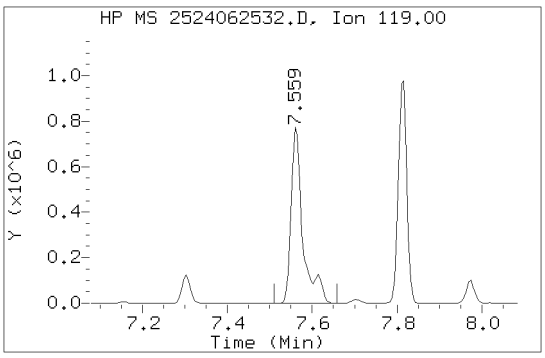
BEFORE

MASS
119
AREA
1497973
HEIGHT
773632
25-Jun-2024
21:54



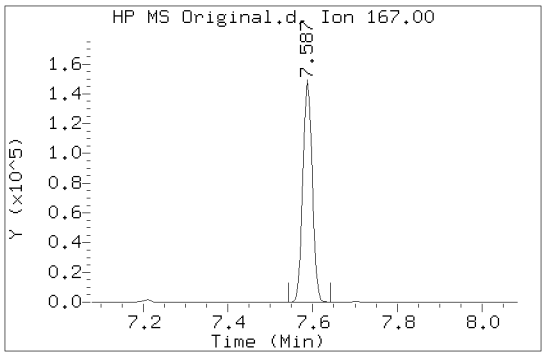
AFTER

MASS
119
AREA
1497973
HEIGHT
773632
25-Jun-2024
21:56



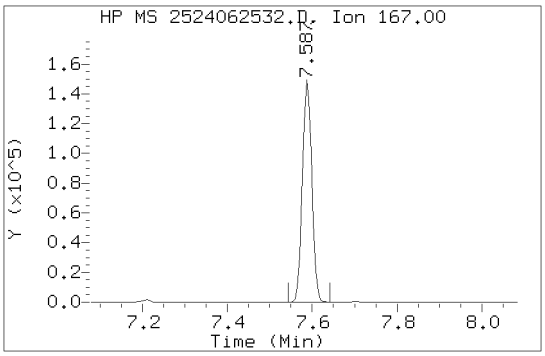
BEFORE

MASS
167
AREA
231107
HEIGHT
149376
25-Jun-2024
21:54



AFTER

MASS
167
AREA
231107
HEIGHT
149376
25-Jun-2024
21:56

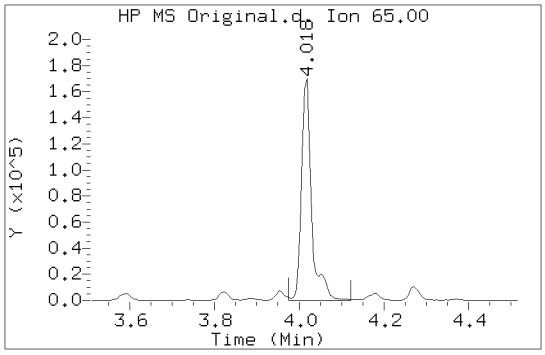


1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

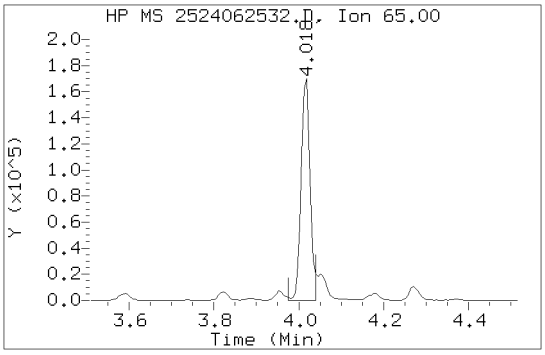
BEFORE

MASS
65
AREA
283959
HEIGHT
169984
25-Jun-2024
21:54



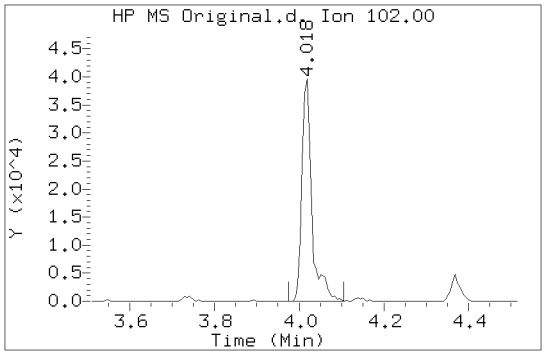
AFTER

MASS
65
AREA
252196
HEIGHT
169984
25-Jun-2024
21:56



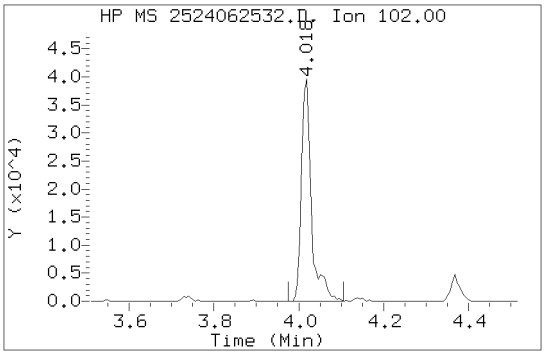
BEFORE

MASS
102
AREA
65426
HEIGHT
39640
25-Jun-2024
21:54



AFTER

MASS
102
AREA
65426
HEIGHT
39640
25-Jun-2024
21:56



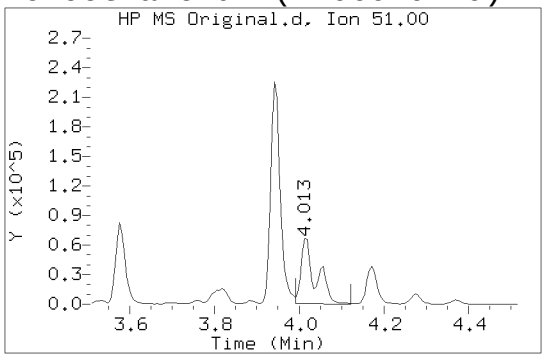
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Inj Date : 25-JUN-2024 20:54
InstruID : ms25.i
LabSampID : 1801

1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

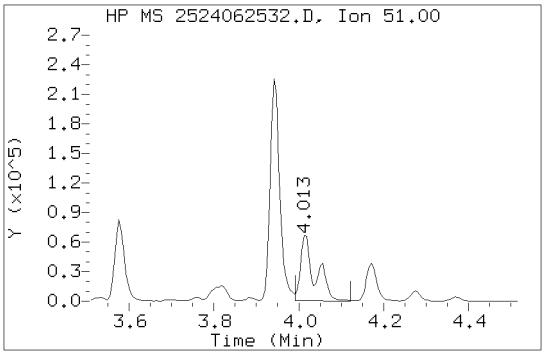
BEFORE

MASS
51
AREA
162769
HEIGHT
66260
25-Jun-2024
21:54



AFTER

MASS
51
AREA
162769
HEIGHT
66260
25-Jun-2024
21:56



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 21:56
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406253
Inj Date: 25-JUN-2024 20:54
Operator: ILY

There were no Unassigned peaks in this sample!

right solutions.
right partner.

Raw Data 25240628

Volatiles by EPA 8260D

Workorder

3366030

Client

ALS Houston

Project

AHH138|HS24061313

07/18/2024

Data File: 2524062800.D Page 1
Report Date: 28-Jun-2024 09:14

ALS Environmental Services

BFB Tune

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062800.D
Lab Smp Id: 1000
Inj Date : 28-JUN-2024 09:00
Operator : TMP Inst ID: ms25.i
Smp Info : 1000
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\bfb288.m
Meth Date : 13-Sep-2023 15:55 bsimms Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: NAMDTW7026

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
7.057	8.129	(0.000)	95	93616			0.00- 100.00	100.00
7.057	8.129	(0.000)	50	17312			15.00- 40.00	18.49
7.057	8.129	(0.000)	75	44616			30.00- 60.00	47.66
7.057	8.129	(0.000)	96	6656			5.00- 9.00	7.11
7.057	8.129	(0.000)	173	365			0.00- 2.00	0.45
7.057	8.129	(0.000)	174	80744			50.00- 0.00	86.25
7.057	8.129	(0.000)	175	6388			5.00- 9.00	7.91
7.057	8.129	(0.000)	176	79000			95.00- 101.00	97.84
7.057	8.129	(0.000)	177	5283			5.00- 9.00	6.69

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.49
75	30.00 - 60.00% of mass 95	47.66
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	0.39 (0.45)
174	Greater than 50.00% of mass 95	86.25
175	5.00 - 9.00% of mass 174	6.82 (7.91)
176	95.00 - 101.00% of mass 174	84.39 (97.84)
177	5.00 - 9.00% of mass 176	5.64 (6.69)

Data File: 2524062800.D
Spectrum: Avg. Scans 1084-1086 (7.06), Background Scan 1077
Location of Maximum: 95.00
Number of points: 84

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	757	63.00	3165	93.00	4170	141.00	929
37.00	4461	64.00	307	94.00	11214	142.00	64
38.00	3788	67.00	394	95.00	93616	143.00	860
39.00	1350	68.00	9611	96.00	6656	146.00	108
42.00	64	69.00	9495	97.00	376	148.00	287
43.00	135	70.00	902	103.00	209	155.00	209
44.00	493	72.00	433	104.00	339	156.00	89
45.00	600	73.00	3819	105.00	167	157.00	96
46.00	53	74.00	15201	106.00	474	161.00	187
47.00	1205	75.00	44616	107.00	63	171.00	160
48.00	559	76.00	3932	115.00	114	172.00	225
49.00	3803	77.00	634	116.00	339	173.00	365
50.00	17312	78.00	468	117.00	539	174.00	80744
51.00	5693	79.00	3121	118.00	435	175.00	6388
52.00	388	80.00	840	119.00	441	176.00	79000
55.00	368	81.00	2972	128.00	495	177.00	5283
56.00	1499	82.00	658	129.00	95	178.00	62
57.00	2555	83.00	130	130.00	381	211.00	195
58.00	53	87.00	4011	131.00	126		
60.00	1008	88.00	4363	135.00	67		
61.00	4464	91.00	335	137.00	264		
62.00	3919	92.00	2757	140.00	52		

Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062800.D

Date : 28-JUN-2024 09:00

Client ID:

Instrument: ms25.i

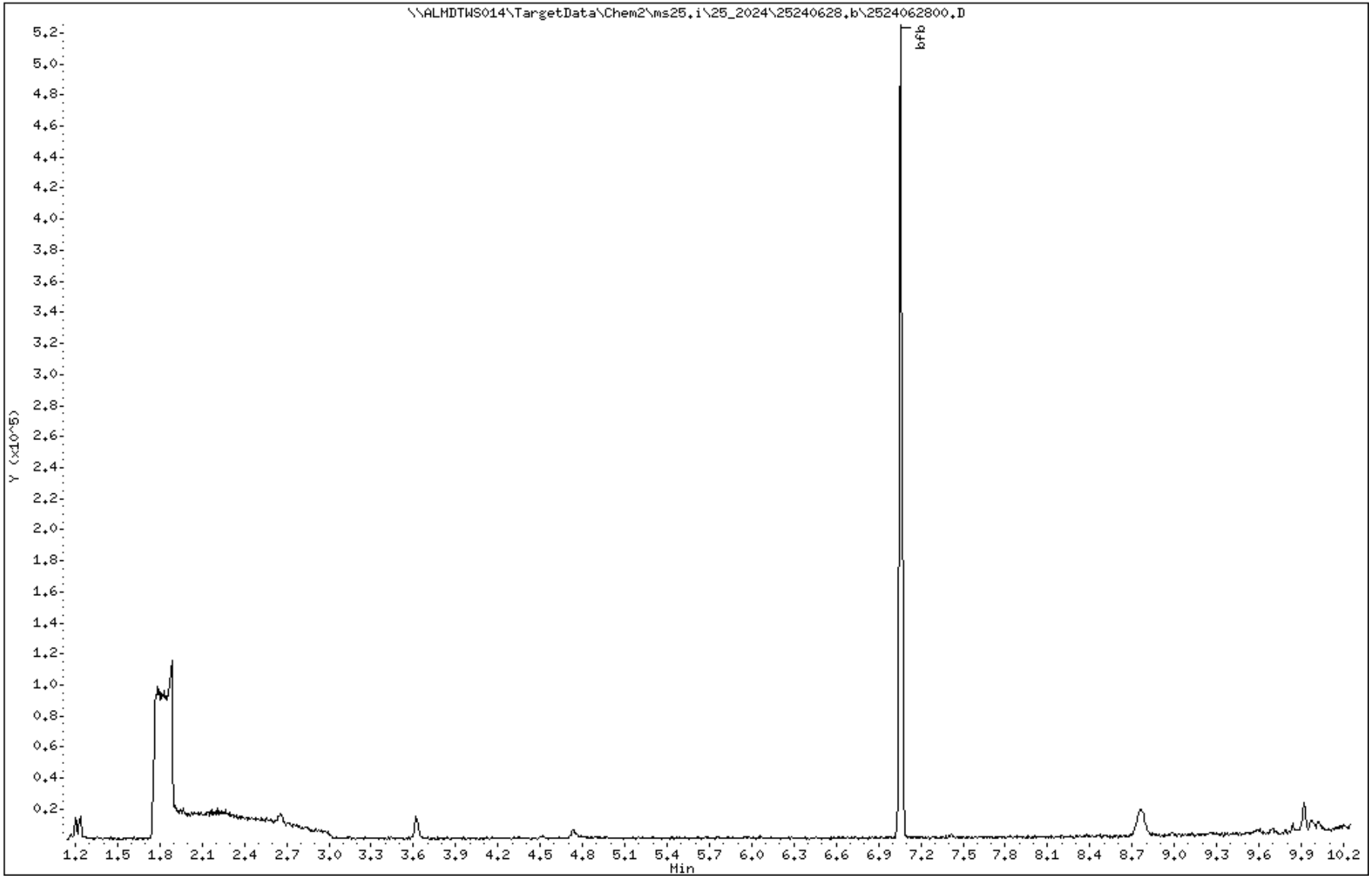
Sample Info: 1000

Volume Injected (uL): 1.0

Operator: TMP

Column phase: DB624

Column diameter: 0.53



Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062800.D
Inj Date : 28-JUN-2024 09:00
InstruID : ms25.i
LabSampID : 1000

NO MANUAL INTEGRATIONS

Data File: 2524062801.D
Report Date: 30-Jun-2024 14:58

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062801.D
Lab Smp Id: 1800
Inj Date : 28-JUN-2024 09:53
Operator : TMP Inst ID: ms25.i
Smp Info : 1800;;1;2;4;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\25-8260b09D.m
Meth Date : 28-Jun-2024 10:37 ily Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: NAMDTW7026

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	522975	50.0000	45.5603	
2	Chloromethane	50	1.644	1.644	(0.394)	498166	50.0000	49.6944	
3	Vinyl Chloride	62	1.704	1.704	(0.409)	622041	50.0000	47.9365	
4	Bromomethane	94	1.922	1.922	(0.461)	330884	50.0000	53.3014	
5	Chloroethane	64	2.004	2.004	(0.481)	418408	50.0000	47.7213	
6	Pentane	41	2.092	2.092	(0.502)	346589	50.0000	42.7039	
7	Trichlorofluoromethane	101	2.097	2.097	(0.503)	836914	50.0000	47.0857	
8	Dichlorofluoromethane	67	2.124	2.124	(0.509)	838647	50.0000	50.9927	
9	Ethyl Ether	74	2.277	2.277	(0.546)	259287	50.0000	51.8443	
10	1,1-Dichloroethene	61	2.414	2.414	(0.579)	486093	50.0000	48.7074	
12	Carbon Disulfide	76	2.446	2.446	(0.587)	1060410	50.0000	49.2562	
11	Freon 113	101	2.424	2.424	(0.581)	336781	50.0000	47.9785	
13	Iodomethane	127	2.506	2.506	(0.601)	190868	50.0000	49.3398	
14	Acrolein	56	2.599	2.599	(0.623)	394338	250.000	244.969	
16	3-Chloro-1-propene	41	2.681	2.681	(0.643)	423514	50.0000	48.7054	
15	Isopropyl Alcohol	45	2.654	2.654	(0.636)	136872	250.000	260.250	
17	Methylene Chloride	84	2.741	2.741	(0.657)	415804	50.0000	51.0065	
18	Acetone	58	2.752	2.752	(0.660)	216587	250.000	239.805	
19	Methyl acetate	74	2.817	2.817	(0.676)	87587	50.0000	47.1866	
20	trans-1,2-Dichloroethene	61	2.828	2.828	(0.678)	503858	50.0000	51.5475	
21	Hexane	57	2.866	2.866	(0.687)	766982	50.0000	47.1553	

Data File: 2524062801.D
Report Date: 30-Jun-2024 14:58

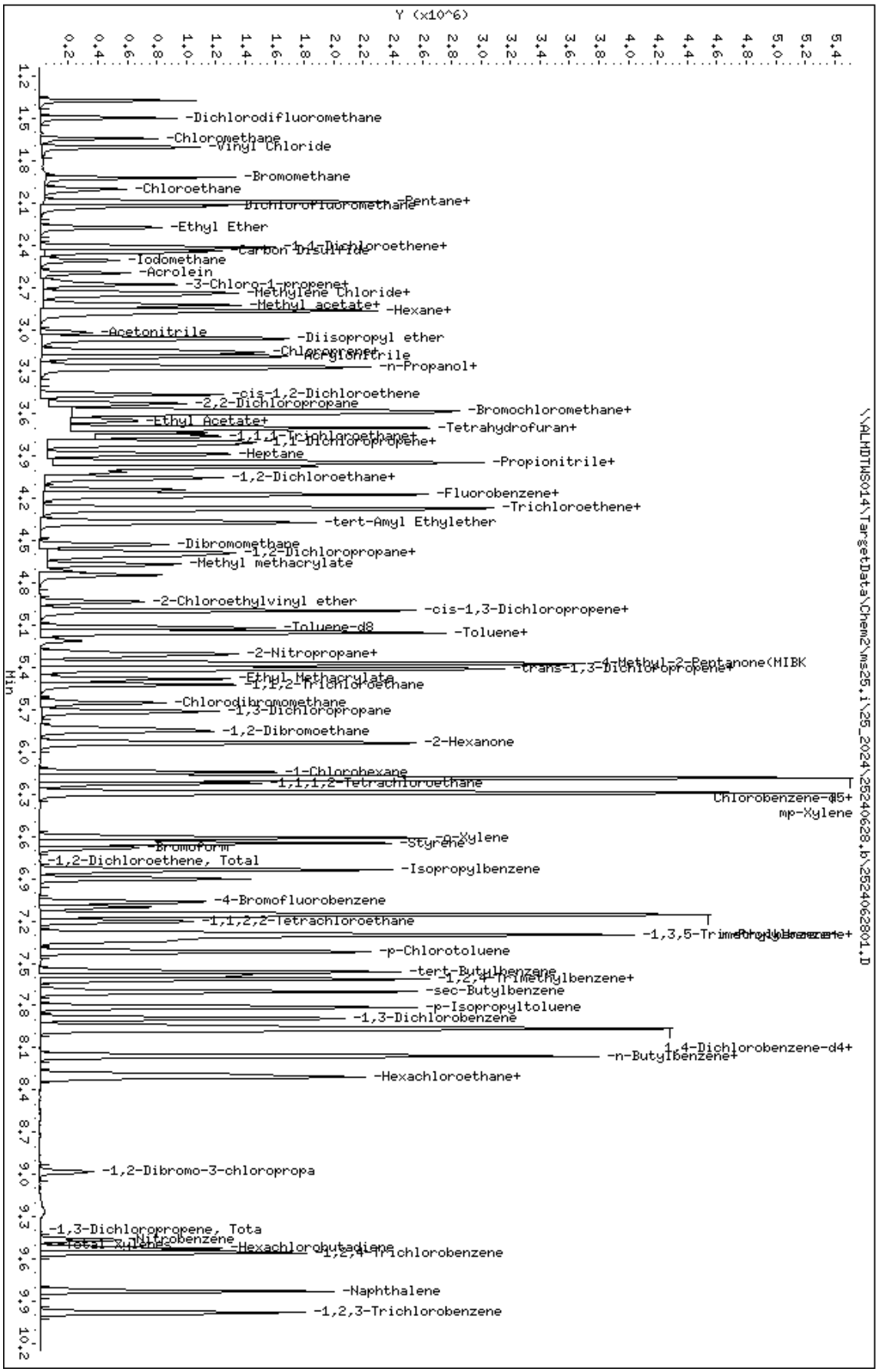
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	1224730	50.0000	48.8448	
23 tert.- Butyl Alcohol	59	2.894	2.894	(0.694)	229444	250.000	254.476	
24 Acetonitrile	41	3.019	3.019	(0.724)	269805	250.000	267.144	
25 Diisopropyl ether	45	3.063	3.063	(0.734)	1162416	50.0000	53.5838	
26 Chloroprene	53	3.156	3.156	(0.757)	586187	50.0000	53.2981	
27 1,1-Dichloroethane	63	3.167	3.167	(0.759)	696701	50.0000	52.3174	
28 Acrylonitrile	53	3.188	3.188	(0.765)	943483	250.000	272.040(M)	MP
30 n-Propanol	41	3.265	3.265	(0.783)	212630	500.000	497.521	
29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	1250326	50.0000	54.2669	
31 Vinyl acetate	86	3.276	3.276	(0.785)	105996	50.0000	46.6572	
32 cis-1,2-Dichloroethene	61	3.461	3.461	(0.830)	515189	50.0000	51.9816	
33 2,2-Dichloropropane	77	3.527	3.527	(0.846)	541182	50.0000	50.9894	
M 100 1,2-Dichloroethene, Total	61				1019047	100.000	103.529	
34 Bromochloromethane	128	3.576	3.576	(0.857)	225522	50.0000	52.7657	
35 Cyclohexane	84	3.592	3.592	(0.861)	575162	50.0000	48.3654	
36 Chloroform	83	3.598	3.598	(0.863)	727311	50.0000	50.5922	
37 Ethyl acetate	43	3.636	3.636	(0.872)	414353	50.0000	48.0661	
38 Methyl acrylate	55	3.652	3.652	(0.876)	418844	50.0000	52.4813	
39 Carbon Tetrachloride	117	3.701	3.701	(0.887)	456704	50.0000	43.2489(M)	MP
40 Tetrahydrofuran	42	3.696	3.696	(0.886)	628267	250.000	257.505	
$ 41 Dibromofluoromethane	113	3.707	3.707	(0.889)	239748	30.0000	29.2895	
42 1,1,1-Trichloroethane	97	3.734	3.734	(0.895)	573212	50.0000	51.2274	
43 2-Butanone	72	3.761	3.761	(0.902)	293285	250.000	248.658(M)	MP
44 1,1-Dichloropropene	75	3.799	3.799	(0.911)	536580	50.0000	50.6957	
45 1-Chlorobutane	41	3.821	3.821	(0.916)	331584	50.0000	48.7154	
46 Heptane	71	3.887	3.887	(0.932)	293493	50.0000	47.7279	
48 Propionitrile	54	3.941	3.941	(0.945)	357280	250.000	272.044	
47 Benzene	78	3.941	3.941	(0.945)	1602139	50.0000	49.2473	
49 Methacrylonitrile	67	3.952	3.952	(0.948)	206876	50.0000	52.5475	
50 tert-amyl methyl Ether	73	3.974	3.974	(0.953)	1204105	50.0000	54.1395	
$ 51 1,2-Dichloroethane-d4	65	4.012	4.012	(0.962)	250186	30.0000	28.9946(M)	MP
54 Isobutyl alcohol	42	3.985	3.985	(0.956)	103812	500.000	518.152(M)	MP
52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	524527	50.0000	51.2891	
53 tert-Amyl Alcohol	59	4.056	4.056	(0.973)	178309	250.000	257.759	
* 55 Fluorobenzene	96	4.171	4.171	(1.000)	1037403	30.0000		
56 Diisobutylene	57	4.176	4.176	(1.001)	931592	50.0000	46.2717	
57 Trichloroethene	95	4.269	4.269	(1.024)	415600	50.0000	50.4763	
58 Methyl cyclohexane	83	4.274	4.274	(0.692)	635200	50.0000	49.5114	
59 tert-Amyl Ethylether	59	4.367	4.367	(1.047)	942938	50.0000	48.6456	
60 Dibromomethane	93	4.525	4.525	(1.085)	273495	50.0000	52.5444	
61 1,2-Dichloropropane	63	4.585	4.585	(1.099)	410545	50.0000	52.4333	
62 Bromodichloromethane	83	4.607	4.607	(1.105)	507307	50.0000	46.6069	
63 Methyl methacrylate	41	4.667	4.667	(1.119)	335986	50.0000	54.2196	
65 2-Chloroethylvinyl ether	63	4.934	4.934	(1.183)	267474	50.0000	46.7021	
66 cis-1,3-Dichloropropene	75	4.994	4.994	(0.809)	664624	50.0000	49.6722	
67 Octane	85	5.000	5.000	(0.810)	247791	50.0000	50.9393	
$ 68 Toluene-d8	98	5.120	5.120	(0.829)	930097	30.0000	29.7020	
69 Toluene	92	5.153	5.153	(0.835)	963088	50.0000	48.5241	
70 Chloroacetonitrile	75	5.213	5.213	(0.844)	129683	250.000	262.103	
71 2-Nitropropane	41	5.300	5.300	(0.859)	513583	250.000	236.074	
72 1,1-Dichloro-2-propanone	63	5.316	5.316	(0.861)	50536	250.000	240.249	
73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	2038160	250.000	259.997	
75 trans-1,3-Dichloropropene	75	5.409	5.409	(0.876)	602124	50.0000	48.6031	
74 Tetrachloroethene	164	5.409	5.409	(0.876)	359744	50.0000	49.7763	

Data File: 2524062801.D Page 3
Report Date: 30-Jun-2024 14:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl methacrylate	69	5.480	5.480	(0.888)	596730	50.0000	49.8820	
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	326226	50.0000	53.4964	
	78 Chlorodibromomethane	129	5.649	5.649	(0.915)	407883	50.0000	47.2055	
	79 1,3-Dichloropropane	76	5.715	5.715	(0.926)	655351	50.0000	54.3929	
	80 1,2-Dibromoethane	107	5.829	5.829	(0.944)	393954	50.0000	48.5417	
	81 2-Hexanone	43	5.933	5.933	(0.961)	1377785	250.000	256.199	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	543321	50.0000	52.0351	
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	395519	30.0000		
	85 Ethylbenzene	106	6.189	6.189	(1.003)	560990	50.0000	47.4305	
	84 Chlorobenzene	112	6.184	6.184	(1.002)	1057594	50.0000	52.2886	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.222	(1.008)	364641	50.0000	47.7621	
	87 mp-Xylene	106	6.288	6.288	(1.019)	1360923	100.000	96.8971	
M	120 1,3-Dichloropropene, Total	75				1266748	100.000	98.2753	
	88 o-Xylene	106	6.610	6.610	(1.071)	649037	50.0000	48.2199	
	89 Styrene	104	6.648	6.648	(0.836)	1053521	50.0000	49.2274	
	90 Bromoform	173	6.680	6.680	(0.840)	272520	50.0000	45.1129	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	1476432	50.0000	49.4875	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	293145	30.0000	29.2822	
M	121 TOTAL XYLENES	106				2009960	150.000	145.117	
	94 n-Propylbenzene	120	7.155	7.155	(0.900)	454683	50.0000	51.9708	
	93 Bromobenzene	156	7.155	7.155	(0.900)	443340	50.0000	51.8179	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.204	(0.906)	464231	50.0000	54.5914	
	97 1,3,5-Trimethylbenzene	105	7.303	7.303	(0.918)	1283166	50.0000	52.6994	
	96 o-Chlorotoluene	91	7.292	7.292	(0.917)	1235746	50.0000	53.6860	
	98 1,2,3-Trichloropropane	110	7.324	7.324	(0.921)	146032	50.0000	53.2439	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.346	(0.924)	127893	50.0000	49.0166	
	101 p-Chlorotoluene	91	7.417	7.417	(0.933)	1121063	50.0000	53.7694	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	311370	50.0000	53.4684	
	103 Pentachloroethane	117	7.586	7.586	(0.954)	280902	50.0000	48.0471(M)	
	104 1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	1277802	50.0000	49.5590	
	105 sec-Butylbenzene	105	7.701	7.701	(0.968)	1633565	50.0000	54.2833	
	106 p-Isopropyltoluene	134	7.815	7.815	(0.983)	372062	50.0000	53.9895	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	760008	50.0000	52.7271	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	361869	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	778069	50.0000	51.7870	
	111 n-Butylbenzene	134	8.159	8.159	(1.026)	338298	50.0000	52.5303	
	110 Benzyl Chloride	126	8.159	8.159	(1.026)	165312	50.0000	45.9437	
	112 Hexachloroethane	117	8.290	8.290	(1.043)	230172	50.0000	44.6148	
	113 1,2-Dichlorobenzene	146	8.312	8.312	(1.045)	726959	50.0000	52.9460	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.983	(1.130)	76019	50.0000	46.7709	
	115 Nitrobenzene	77	9.463	9.463	(1.190)	234976	500.000	446.343	
	116 Hexachlorobutadiene	225	9.529	9.529	(1.198)	216275	50.0000	47.6242	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	495994	50.0000	54.5492	
	118 Naphthalene	128	9.829	9.829	(1.236)	1264368	50.0000	47.3247	
	119 1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	475468	50.0000	46.5604	

QC Flag Legend

M - Compound response manually integrated.



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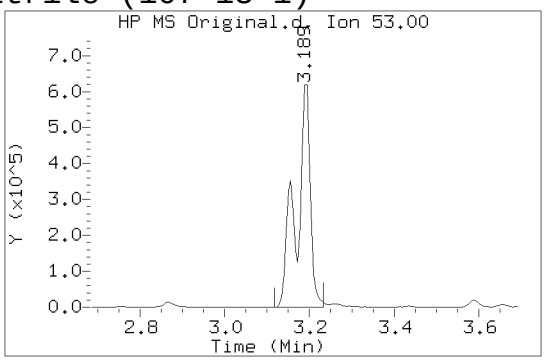
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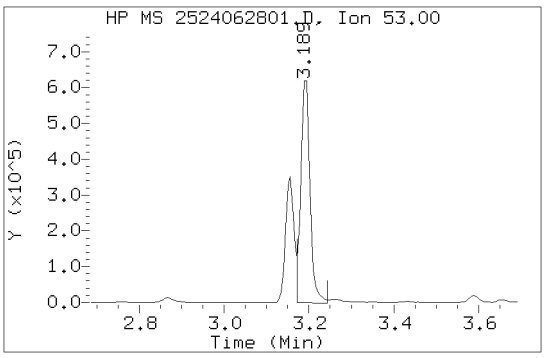
Acrylonitrile (107-13-1)

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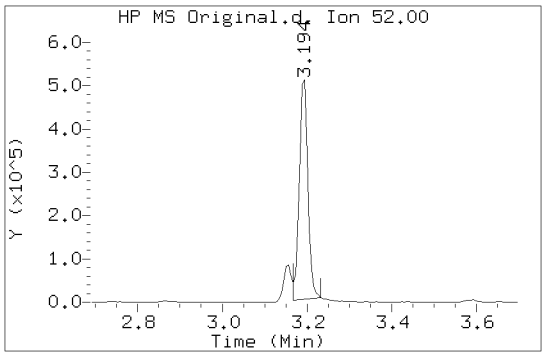
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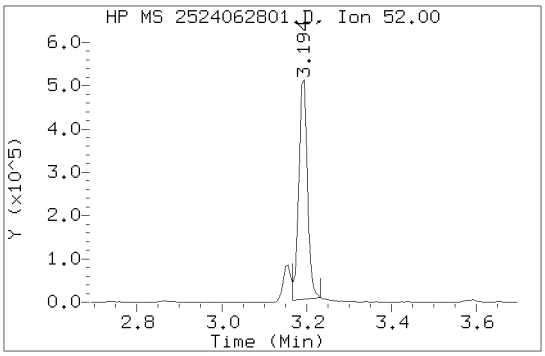
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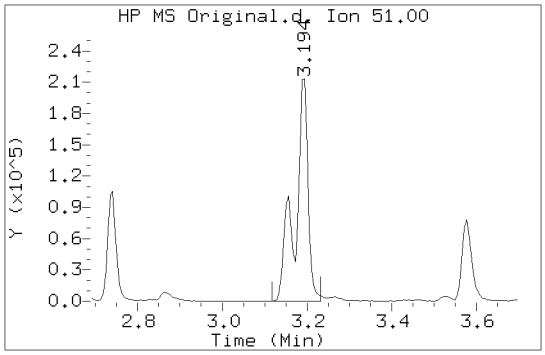
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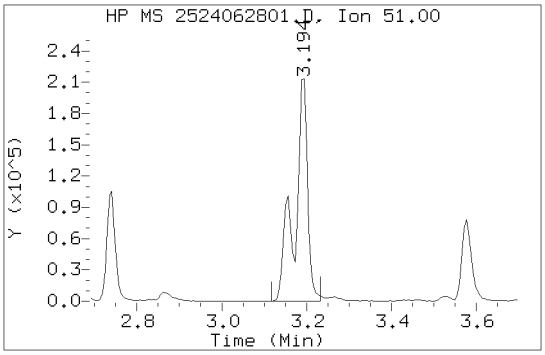
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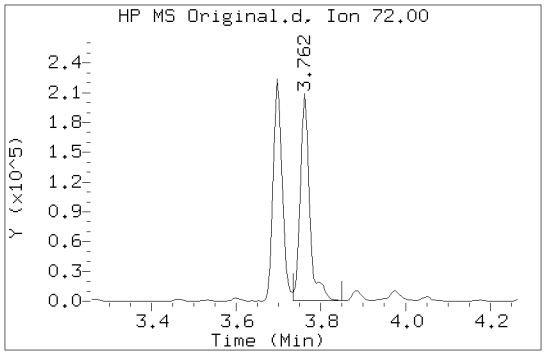
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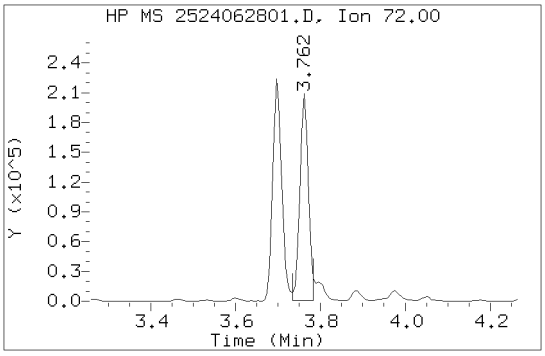
2-Butanone (78-93-3)

Reason Code: MP

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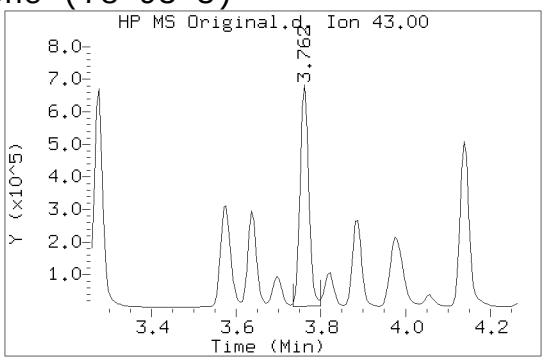


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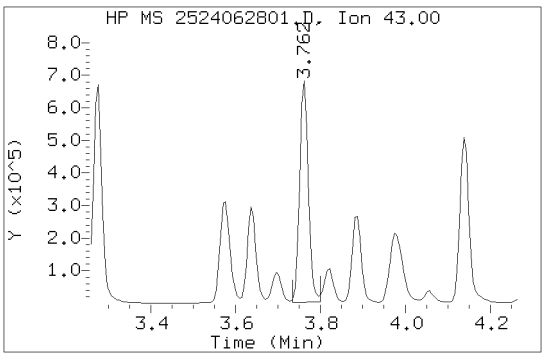
2-Butanone (78-93-3)

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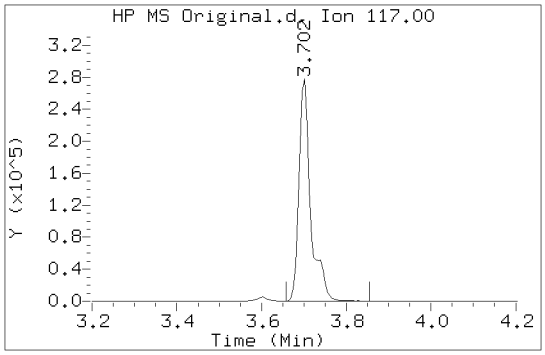
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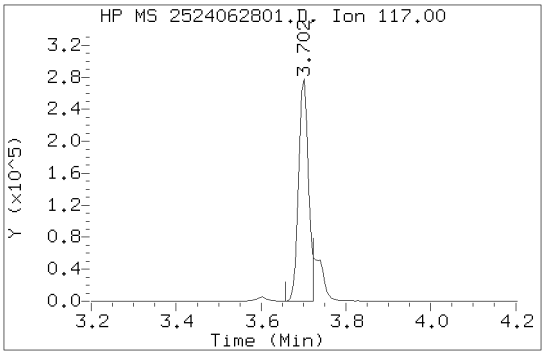
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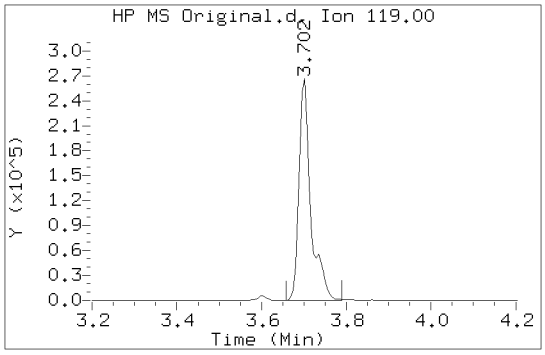
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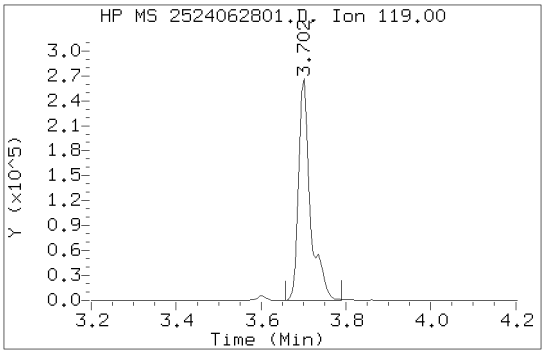
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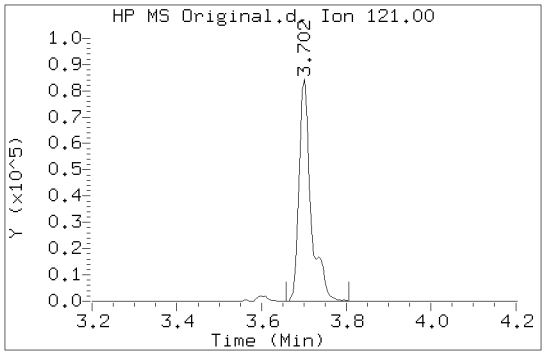
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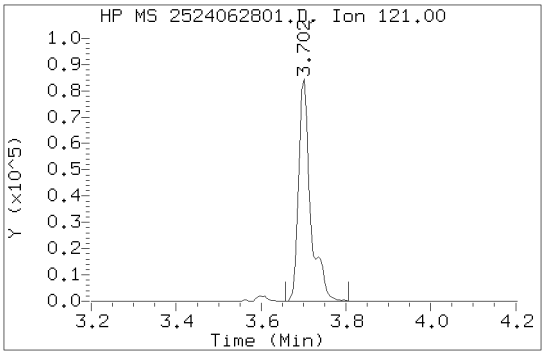
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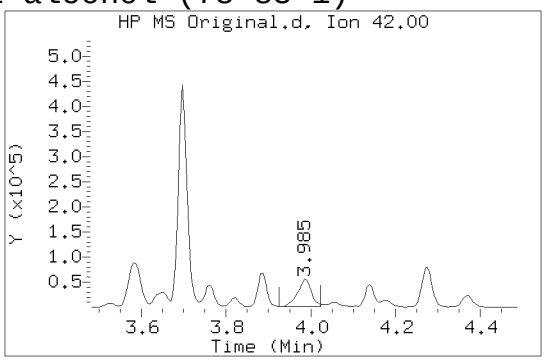


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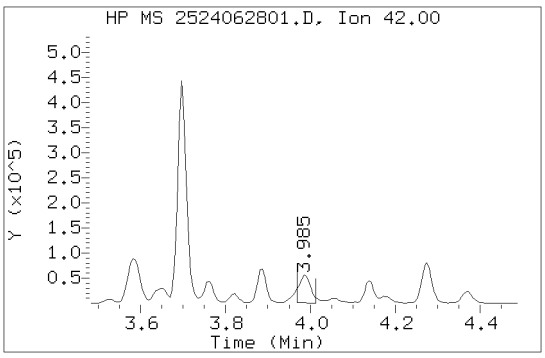
Isobutyl alcohol (78-83-1)

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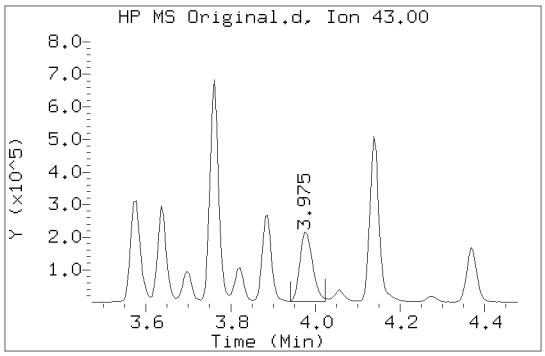
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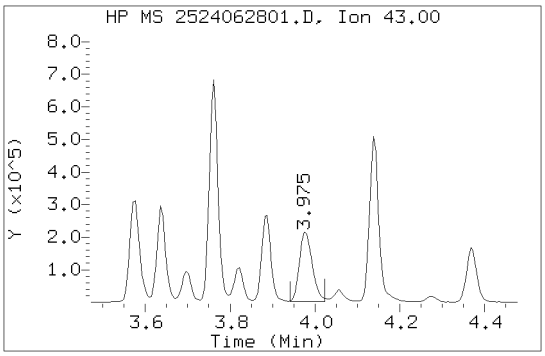
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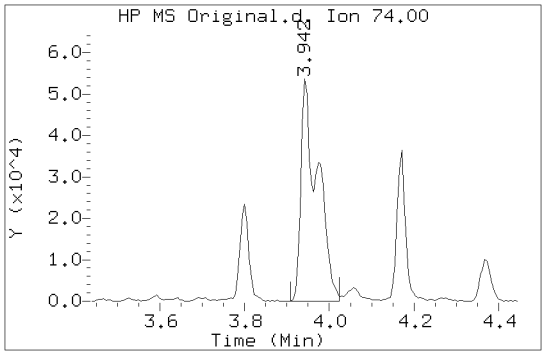
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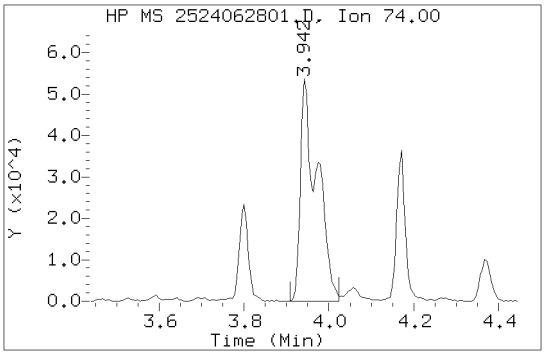
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BEFORE
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28-Jun-2024
10:05



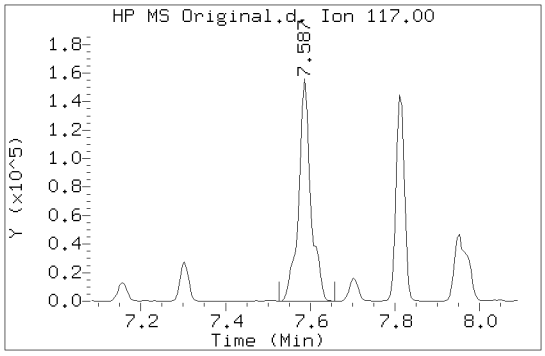
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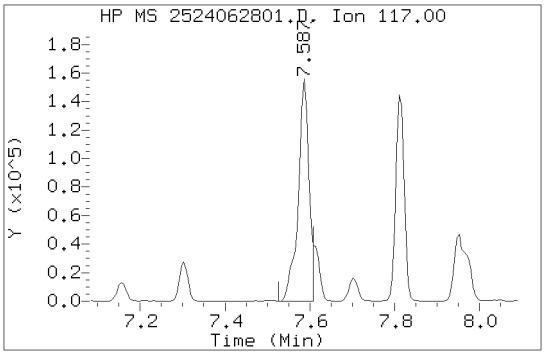
Pentachloroethane (76-01-7)

Reason Code:

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AFTER
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30-Jun-2024
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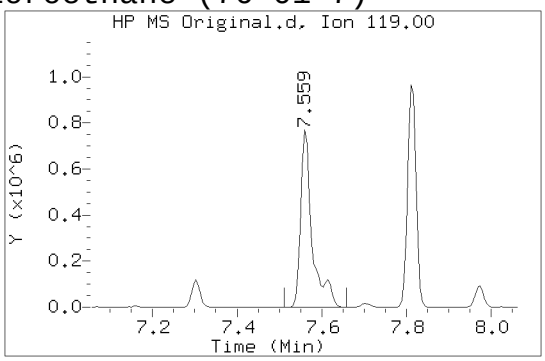


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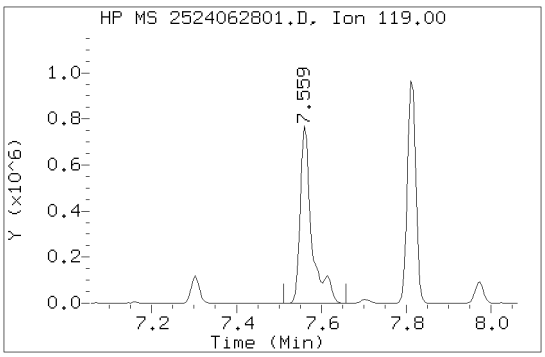
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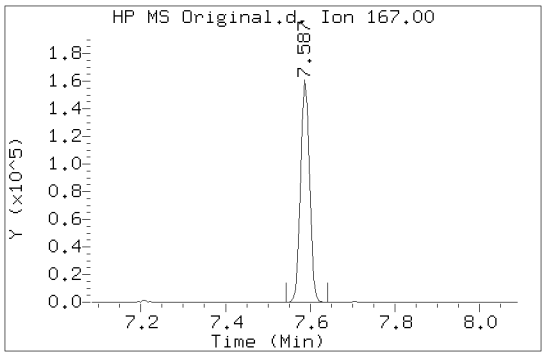
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28-Jun-2024
10:05



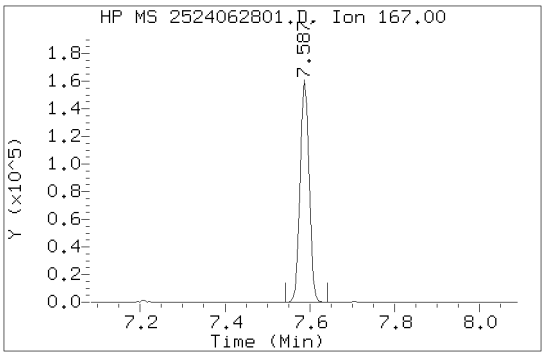
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BEFORE
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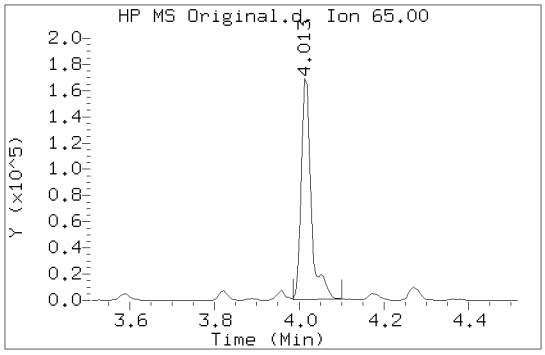
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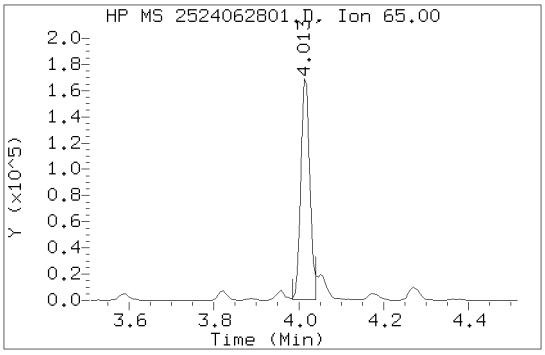
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

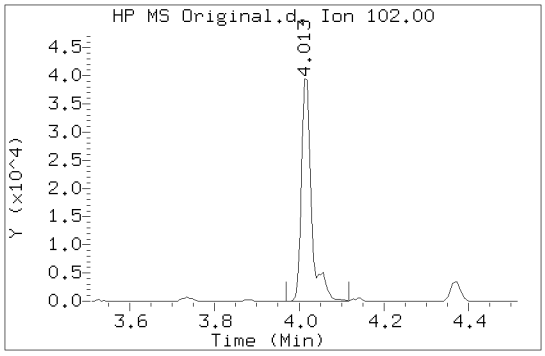
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28-Jun-2024
10:05



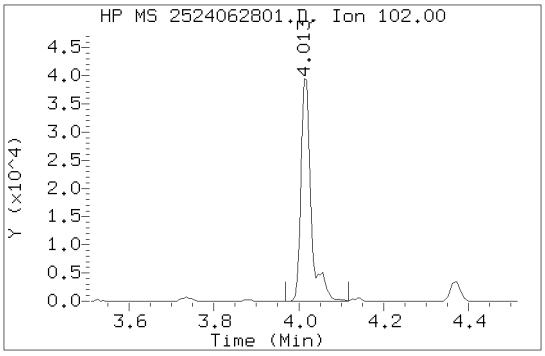
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BEFORE
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AFTER
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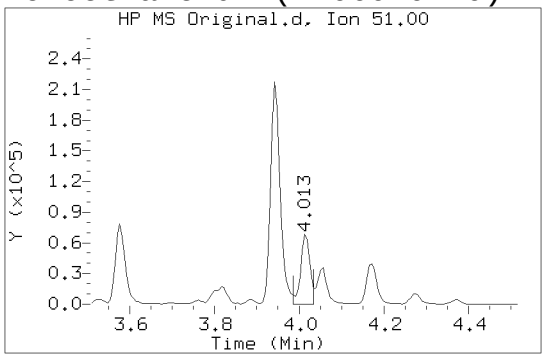
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1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

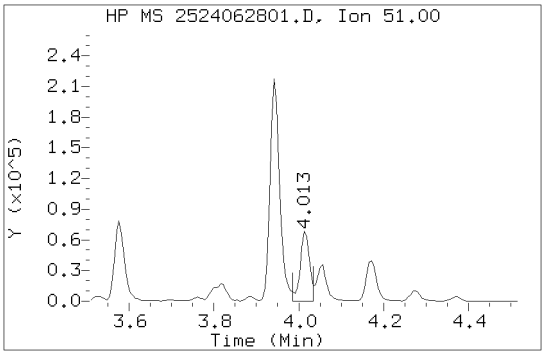
BEFORE

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28-Jun-2024
10:05



AFTER

MASS
51
AREA
106137
HEIGHT
68238
30-Jun-2024
14:58



UNASSIGNED PEAK REPORT

Report Date: 06/30/2024 14:58
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240628.b/252406280
Inj Date: 28-JUN-2024 09:53
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2524062802.D Page 1
Report Date: 30-Jun-2024 15:00

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

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Inj Date : 28-JUN-2024 10:23
Operator : TMP Inst ID: ms25.i
Smp Info : 3845976;;1;3;;LCS;1;
Misc Info : ZZ VOMS 73650 D8260DW
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Meth Date : 28-Jun-2024 10:37 ily Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	231494	20.1179	20.1179	
2 Chloromethane	50	1.644	1.644	(0.394)	202494	20.0810	20.0810	
3 Vinyl Chloride	62	1.704	1.704	(0.409)	256702	19.7339	19.7339	
4 Bromomethane	94	1.922	1.922	(0.461)	126243	20.0141	20.0141	
5 Chloroethane	64	1.999	2.004	(0.479)	180018	20.3059	20.3059	
6 Pentane	41	2.086	2.092	(0.500)	172226	20.6347	20.6347	
7 Trichlorofluoromethane	101	2.092	2.097	(0.502)	343768	19.2935	19.2935	
8 Dichlorofluoromethane	67	2.124	2.124	(0.509)	355400	21.5567	21.5567	
9 Ethyl Ether	74	2.277	2.277	(0.546)	106843	21.3110	21.3110	
10 1,1-Dichloroethene	61	2.408	2.414	(0.577)	215374	21.5281	21.5281	
12 Carbon Disulfide	76	2.446	2.446	(0.587)	455997	21.1293	21.1293	
11 Freon 113	101	2.424	2.424	(0.581)	149869	21.2984	21.2984	
13 Iodomethane	127	2.506	2.506	(0.601)	73359	19.2324	19.2324	
14 Acrolein	56	2.599	2.599	(0.623)	250559	155.270	155.270	
16 3-Chloro-1-propene	41	2.675	2.681	(0.642)	184153	21.2251	21.2251	
15 Isopropyl Alcohol	45	2.654	2.654	(0.636)	49756	92.3501	92.3501	
17 Methylene Chloride	84	2.735	2.741	(0.656)	175173	21.4358	21.4358	
18 Acetone	58	2.752	2.752	(0.660)	97878	108.106	108.106	
19 Methyl acetate	74	2.817	2.817	(0.676)	35247	18.6897	18.6897	
20 trans-1,2-Dichloroethene	61	2.828	2.828	(0.678)	211089	21.5428	21.5428	
21 Hexane	57	2.861	2.866	(0.686)	339205	20.6399	20.6399	
22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	487666	19.5409	19.5409	

Data File: 2524062802.D Page 2
Report Date: 30-Jun-2024 15:00

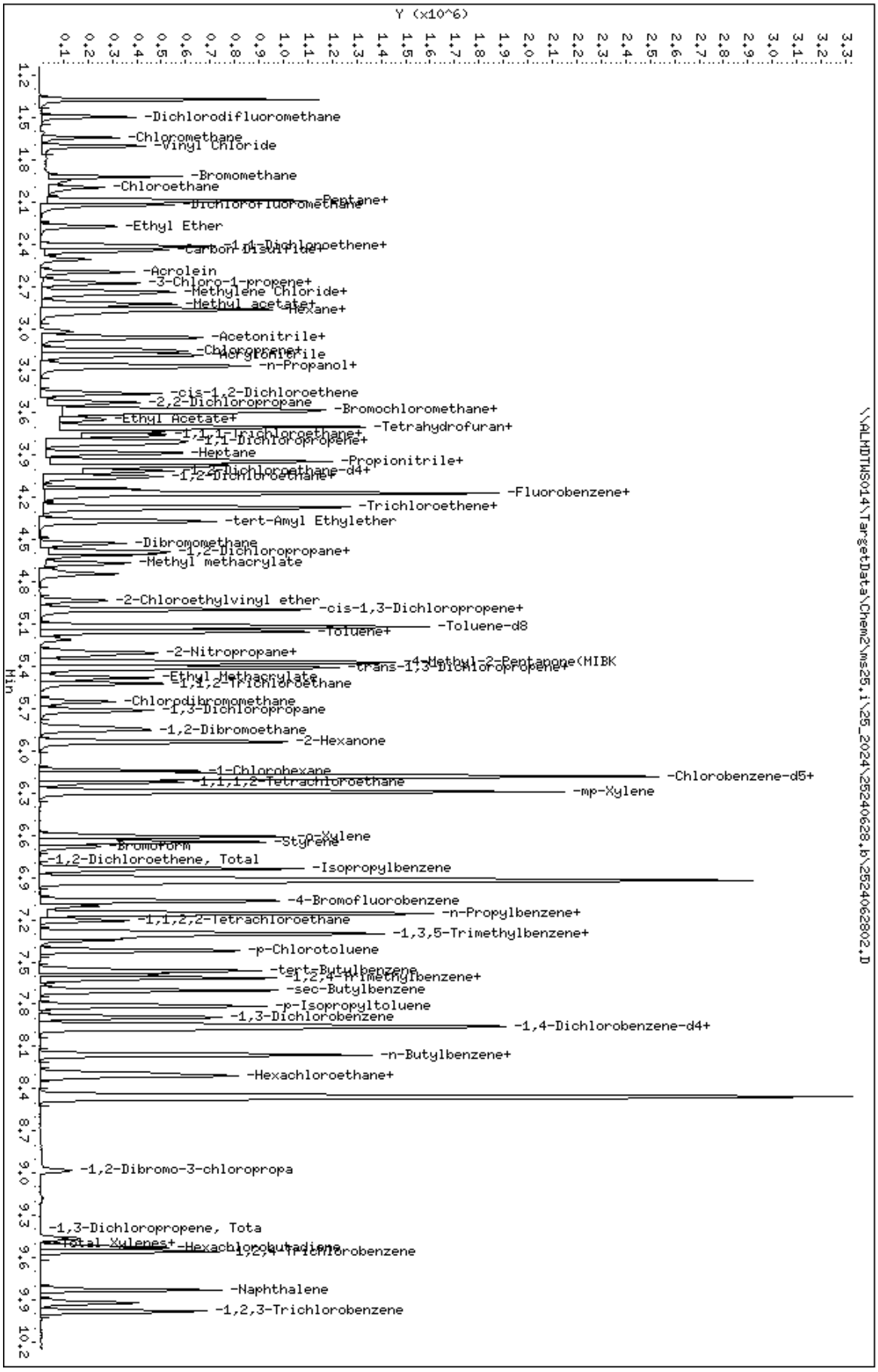
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
23 tert.- Butyl Alcohol	59	2.899	2.894	(0.695)	91568	101.310	101.310	
24 Acetonitrile	41	3.019	3.019	(0.724)	107091	105.776	105.776	
25 Diisopropyl ether	45	3.063	3.063	(0.734)	467800	21.5114	21.5114	
26 Chloroprene	53	3.150	3.156	(0.755)	174316	15.8106	15.8106(Q)	
27 1,1-Dichloroethane	63	3.167	3.167	(0.759)	278259	20.8442	20.8442	
28 Acrylonitrile	53	3.188	3.188	(0.765)	425900	122.502	122.502(Q)	
30 n-Propanol	41	3.265	3.265	(0.783)	87932	205.244	205.244	
29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	500124	21.6534	21.6534	
31 Vinyl acetate	86	3.276	3.276	(0.785)	38750	17.2582	17.2582(Q)	
32 cis-1,2-Dichloroethene	61	3.461	3.461	(0.830)	209928	21.1296	21.1296	
33 2,2-Dichloropropane	77	3.527	3.527	(0.846)	226731	21.3100	21.3100	
M 100 1,2-Dichloroethene, Total	61				421017	42.6723	42.6723	
34 Bromochloromethane	128	3.576	3.576	(0.857)	90818	21.1969	21.1969	
35 Cyclohexane	84	3.587	3.592	(0.860)	249682	20.9444	20.9444	
36 Chloroform	83	3.598	3.598	(0.863)	300003	20.8174	20.8174	
37 Ethyl acetate	43	3.636	3.636	(0.872)	162550	18.7580	18.7580	
38 Methyl acrylate	55	3.652	3.652	(0.876)	166492	20.8105	20.8105	
39 Carbon Tetrachloride	117	3.696	3.701	(0.886)	181999	17.4434	17.4434(M)	MP
40 Tetrahydrofuran	42	3.696	3.696	(0.886)	243277	99.4669	99.4669	
$ 41 Dibromofluoromethane	113	3.701	3.707	(0.887)	243373	29.6597	29.6597	
42 1,1,1-Trichloroethane	97	3.734	3.734	(0.895)	241257	21.5082	21.5082	
43 2-Butanone	72	3.761	3.761	(0.902)	122737	103.807	103.807(M)	MP
44 1,1-Dichloropropene	75	3.799	3.799	(0.911)	218128	20.5582	20.5582	
45 1-Chlorobutane	41	3.816	3.821	(0.915)	145599	21.3387	21.3387	
46 Heptane	71	3.887	3.887	(0.932)	135221	21.9359	21.9359	
48 Propionitrile	54	3.941	3.941	(0.945)	138285	105.037	105.037	
47 Benzene	78	3.941	3.941	(0.945)	647800	19.8637	19.8637	
49 Methacrylonitrile	67	3.952	3.952	(0.948)	82372	20.8717	20.8717	
50 tert-amyl methyl Ether	73	3.974	3.974	(0.953)	481050	21.5763	21.5763	
$ 51 1,2-Dichloroethane-d4	65	4.012	4.012	(0.962)	263383	30.4494	30.4494(M)	MP
54 Isobutyl alcohol	42	3.990	3.985	(0.957)	34767	175.782	175.782(QM)	MP
52 1,2-Dichloroethane	62	4.050	4.056	(0.971)	201940	19.6977	19.6977	
53 tert-Amyl Alcohol	59	4.056	4.056	(0.973)	71704	103.400	103.400	
* 55 Fluorobenzene	96	4.171	4.171	(1.000)	1039946	30.0000		
56 Diisobutylene	57	4.176	4.176	(1.001)	412226	19.5821	19.5821	
57 Trichloroethene	95	4.269	4.269	(1.024)	166800	20.2090	20.2090	
58 Methyl cyclohexane	83	4.274	4.274	(0.692)	268267	20.9059	20.9059	
59 tert-Amyl Ethylether	59	4.367	4.367	(1.047)	356901	18.5302	18.5302	
60 Dibromomethane	93	4.525	4.525	(1.085)	105436	20.2070	20.2070	
61 1,2-Dichloropropane	63	4.585	4.585	(1.099)	163300	20.8051	20.8051	
62 Bromodichloromethane	83	4.607	4.607	(1.105)	203412	18.8398	18.8398	
63 Methyl methacrylate	41	4.667	4.667	(1.119)	128785	20.7318	20.7318	
65 2-Chloroethylvinyl ether	63	4.934	4.934	(1.183)	109540	19.2984	19.2984	
66 cis-1,3-Dichloropropene	75	4.994	4.994	(0.809)	249923	18.8502	18.8502	
67 Octane	85	5.000	5.000	(0.810)	127294	26.1627	26.1627(R)	
$ 68 Toluene-d8	98	5.114	5.120	(0.829)	950149	30.3358	30.3358	
69 Toluene	92	5.153	5.153	(0.835)	389709	19.6308	19.6308	
70 Chloroacetonitrile	75	5.213	5.213	(0.844)	51068	103.192	103.192	
71 2-Nitropropane	41	5.300	5.300	(0.859)	187593	87.3976	87.3976	
72 1,1-Dichloro-2-propanone	63	5.311	5.316	(0.860)	17821	85.9578	85.9578(Q)	
73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	808385	103.708	103.708	
75 trans-1,3-Dichloropropene	75	5.409	5.409	(0.876)	240414	19.5802	19.5802	
74 Tetrachloroethene	164	5.409	5.409	(0.876)	145946	20.1896	20.1896	
76 Ethyl methacrylate	69	5.480	5.480	(0.888)	225465	19.0396	19.0396	

Data File: 2524062802.D Page 3
Report Date: 30-Jun-2024 15:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	126511	20.7415	20.7415	
	78 Chlorodibromomethane	129	5.649	5.649	(0.915)	154283	18.0809	18.0809	
	79 1,3-Dichloropropane	76	5.715	5.715	(0.926)	260665	21.6300	21.6300	
	80 1,2-Dibromoethane	107	5.829	5.829	(0.944)	152760	18.9619	18.9619	
	81 2-Hexanone	43	5.933	5.933	(0.961)	551268	103.152	103.152	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	221200	21.1803	21.1803	
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	395604	30.0000		
	85 Ethylbenzene	106	6.189	6.189	(1.003)	227417	19.1436	19.1436	
	84 Chlorobenzene	112	6.184	6.184	(1.002)	415957	20.5609	20.5609	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.222	(1.008)	144525	19.1183	19.1183	
	87 mp-Xylene	106	6.288	6.288	(1.019)	552630	38.8678	38.8678	
M	120 1,3-Dichloropropene, Total	75				490337	38.4304	38.4304	
	88 o-Xylene	106	6.610	6.610	(1.071)	259660	19.2872	19.2872	
	89 Styrene	104	6.648	6.648	(0.836)	405336	21.2208	21.2208	
	90 Bromoform	173	6.680	6.680	(0.840)	97012	18.0686	18.0686	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	646497	24.1574	24.1574	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	262843	29.1841	29.1841	
M	121 TOTAL XYLENES	106				812290	58.1550	58.1550	
	94 n-Propylbenzene	120	7.155	7.155	(0.900)	166113	21.1049	21.1049	
	93 Bromobenzene	156	7.155	7.155	(0.900)	154585	20.0835	20.0835	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.204	(0.906)	165022	21.5705	21.5705	
	97 1,3,5-Trimethylbenzene	105	7.303	7.303	(0.918)	463354	21.1526	21.1526	
	96 o-Chlorotoluene	91	7.292	7.292	(0.917)	443949	21.4384	21.4384	
	98 1,2,3-Trichloropropane	110	7.324	7.324	(0.921)	52367	21.2231	21.2231	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.346	(0.924)	45078	19.3804	19.3804	
	101 p-Chlorotoluene	91	7.417	7.417	(0.933)	420066	22.3950	22.3950	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	118054	22.5335	22.5335	
	103 Pentachloroethane	117	7.586	7.586	(0.954)	96827	18.5894	18.5894(QM)	MP
	104 1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	469155	20.1355	20.1355	
	105 sec-Butylbenzene	105	7.701	7.701	(0.968)	620753	22.9286	22.9286	
	106 p-Isopropyltoluene	134	7.810	7.815	(0.982)	134907	21.7599	21.7599	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	286011	22.0560	22.0560	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	325554	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	294406	21.7810	21.7810	
	111 n-Butylbenzene	134	8.159	8.159	(1.026)	123630	21.3384	21.3384	
	110 Benzyl Chloride	126	8.159	8.159	(1.026)	57697	18.1113	18.1113(Q)	
	112 Hexachloroethane	117	8.290	8.290	(1.043)	84110	18.3529	18.3529	
	113 1,2-Dichlorobenzene	146	8.312	8.312	(1.045)	270878	21.9293	21.9293	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.983	(1.130)	27345	18.9493	18.9493	
	115 Nitrobenzene	77	9.463	9.463	(1.190)	72687	164.996	164.996	
	116 Hexachlorobutadiene	225	9.529	9.529	(1.198)	91996	22.6501	22.6501	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	197198	24.1070	24.1070	
	118 Naphthalene	128	9.829	9.829	(1.236)	474430	19.9252	19.9252	
	119 1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	177185	19.4574	19.4574	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.



Data File: \\ALMDTMS014\TargetData\Chem2\ms25,i\25_2024\25240628,b\2524062802.D
Date : 28-JUN-2024 10:23
Client ID: LCS for HBN 1236144
Sample Info: 3845976;;1;3;;LCS;1;
Purge Volume: 5.0
Column phase: DB-VRX

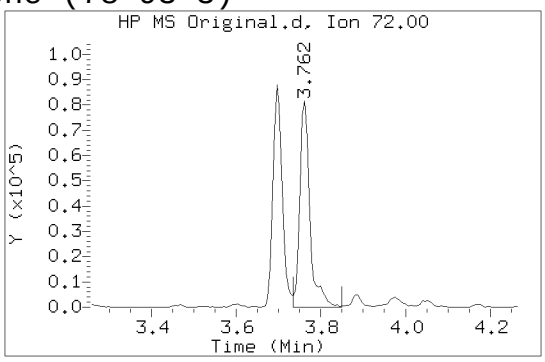
Instrument: ms25,i
Operator: THP
Column diameter: 0.25

Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062802.D
Inj Date : 28-JUN-2024 10:23
InstruID : ms25.i
LabSampID : 3845976

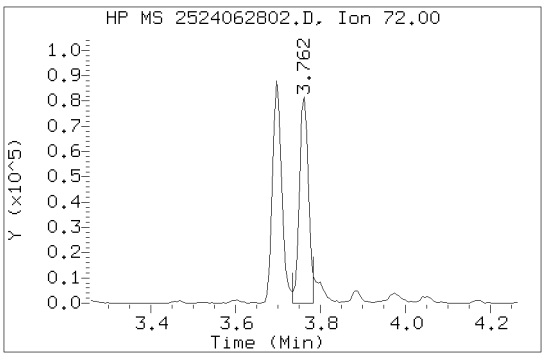
2-Butanone (78-93-3)

Reason Code: MP

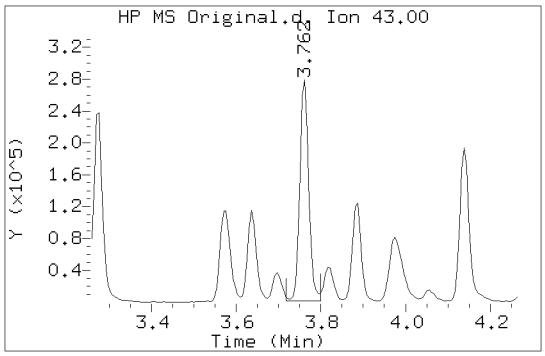
BEFORE
MASS
72
AREA
136684
HEIGHT
81616
28-Jun-2024
10:37



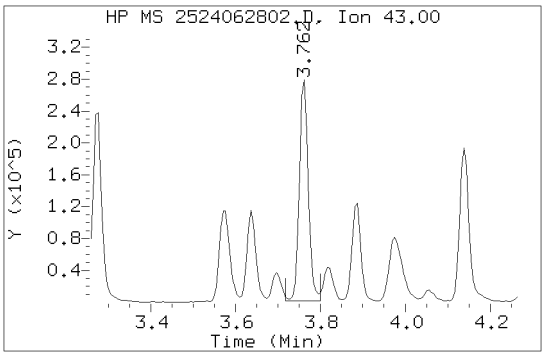
AFTER
MASS
72
AREA
122737
HEIGHT
81616
30-Jun-2024
15:00



BEFORE
MASS
43
AREA
409195
HEIGHT
277245
28-Jun-2024
10:37



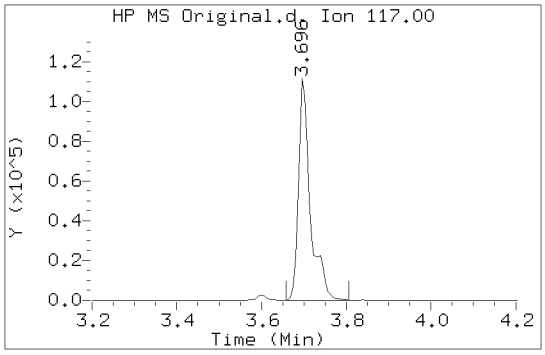
AFTER
MASS
43
AREA
409195
HEIGHT
277245
30-Jun-2024
15:00



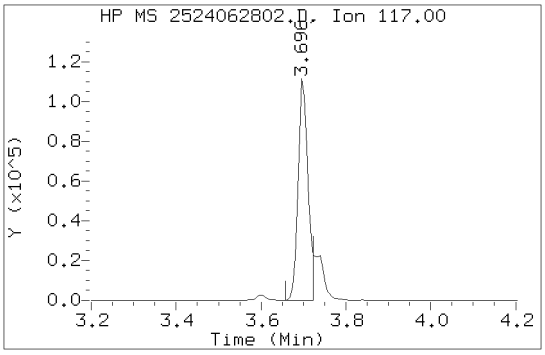
Carbon Tetrachloride (56-23-5)

Reason Code: MP

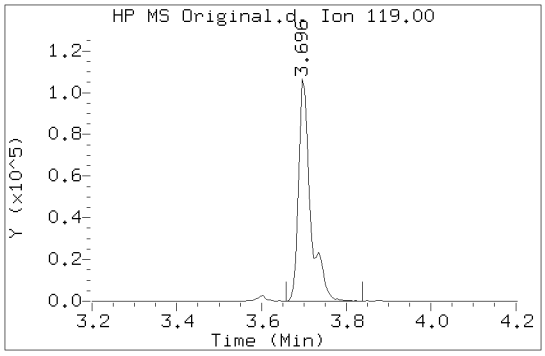
BEFORE
MASS
117
AREA
216795
HEIGHT
111552
28-Jun-2024
10:37



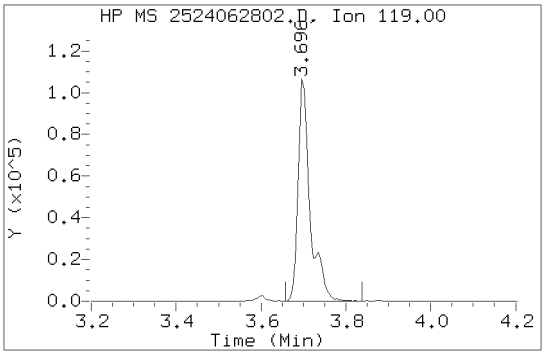
AFTER
MASS
117
AREA
181999
HEIGHT
111552
30-Jun-2024
15:00



BEFORE
MASS
119
AREA
210308
HEIGHT
106592
28-Jun-2024
10:37



AFTER
MASS
119
AREA
210308
HEIGHT
106592
30-Jun-2024
15:00

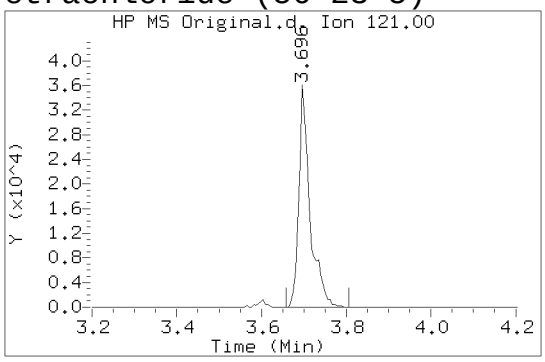


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InstruID : ms25.i
LabSampID : 3845976

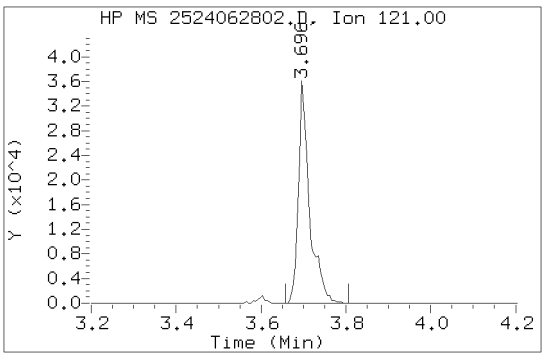
Carbon Tetrachloride (56-23-5)

Reason Code: MP

BEFORE
MASS
121
AREA
65893
HEIGHT
36080
28-Jun-2024
10:37



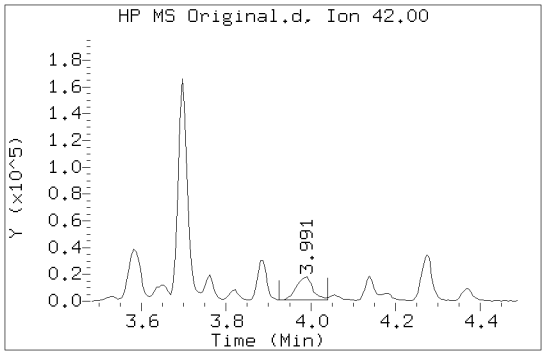
AFTER
MASS
121
AREA
65893
HEIGHT
36080
30-Jun-2024
15:00



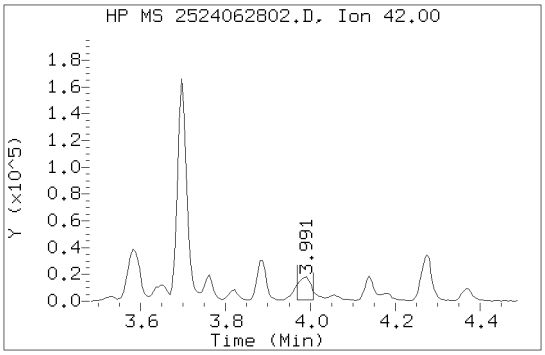
Isobutyl alcohol (78-83-1)

Reason Code: MP

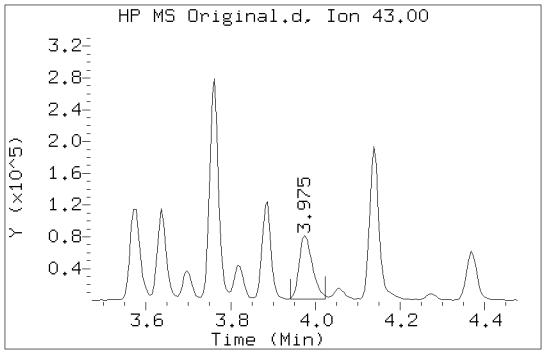
BEFORE
MASS
42
AREA
47003
HEIGHT
17225
28-Jun-2024
10:37



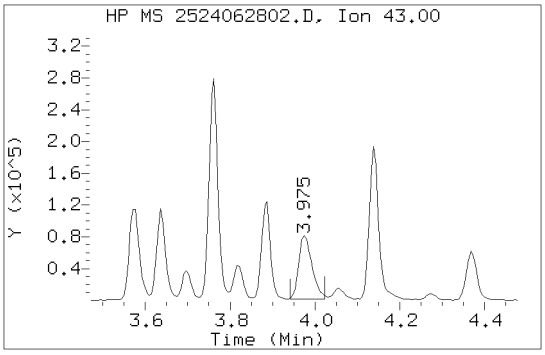
AFTER
MASS
42
AREA
34767
HEIGHT
17064
30-Jun-2024
15:00



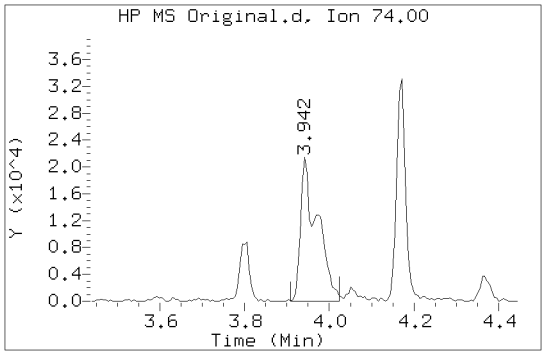
BEFORE
MASS
43
AREA
175860
HEIGHT
80369
28-Jun-2024
10:37



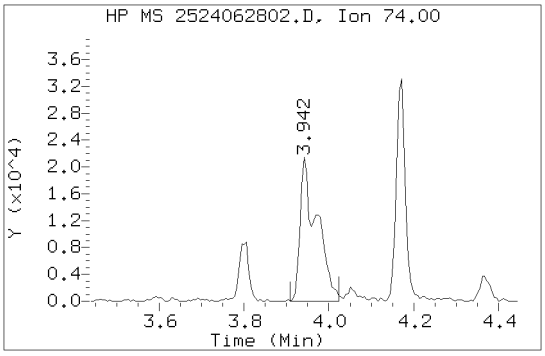
AFTER
MASS
43
AREA
175860
HEIGHT
80369
30-Jun-2024
15:00



BEFORE
MASS
74
AREA
58740
HEIGHT
21480
28-Jun-2024
10:37



AFTER
MASS
74
AREA
58740
HEIGHT
21480
30-Jun-2024
15:00

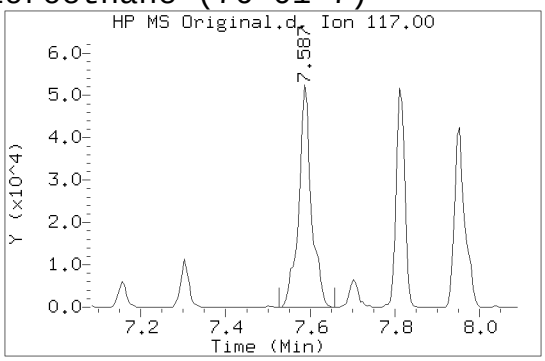


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Inj Date : 28-JUN-2024 10:23
InstruID : ms25.i
LabSampID : 3845976

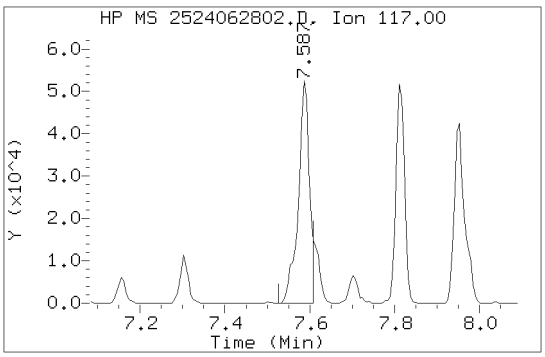
Pentachloroethane (76-01-7)

Reason Code: MP

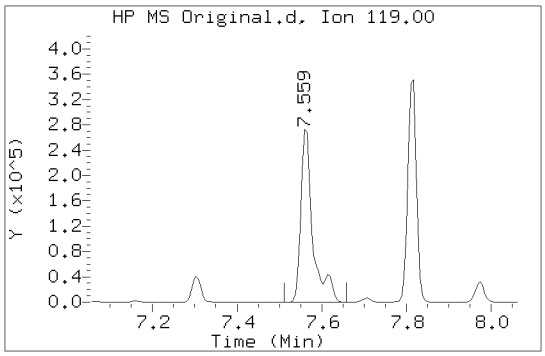
BEFORE
MASS
117
AREA
108579
HEIGHT
52472
28-Jun-2024
10:37



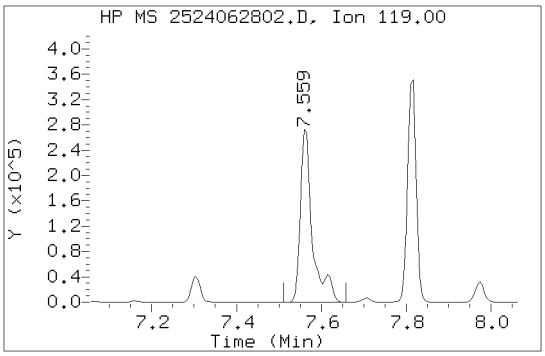
AFTER
MASS
117
AREA
96827
HEIGHT
52472
30-Jun-2024
15:00



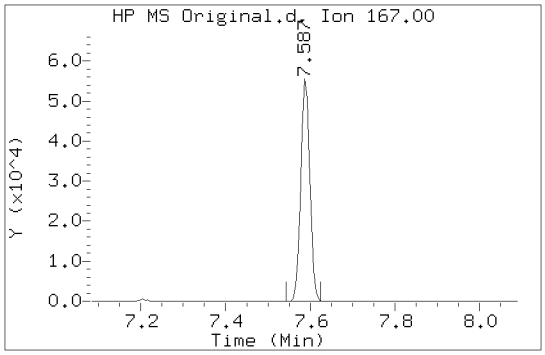
BEFORE
MASS
119
AREA
538948
HEIGHT
273088
28-Jun-2024
10:37



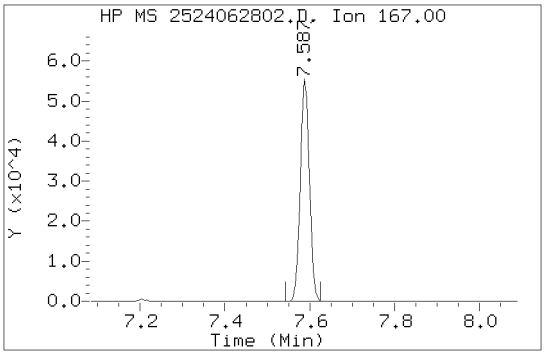
AFTER
MASS
119
AREA
538948
HEIGHT
273088
30-Jun-2024
15:00



BEFORE
MASS
167
AREA
82812
HEIGHT
55536
28-Jun-2024
10:37



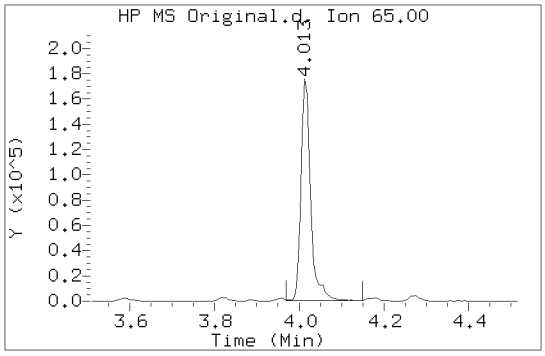
AFTER
MASS
167
AREA
82812
HEIGHT
55536
30-Jun-2024
15:00



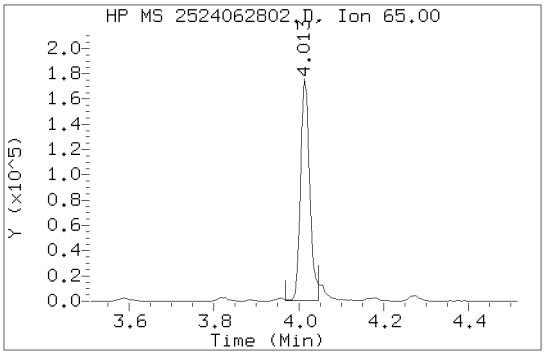
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

BEFORE
MASS
65
AREA
279018
HEIGHT
175513
28-Jun-2024
10:37



AFTER
MASS
65
AREA
263383
HEIGHT
175513
30-Jun-2024
15:00



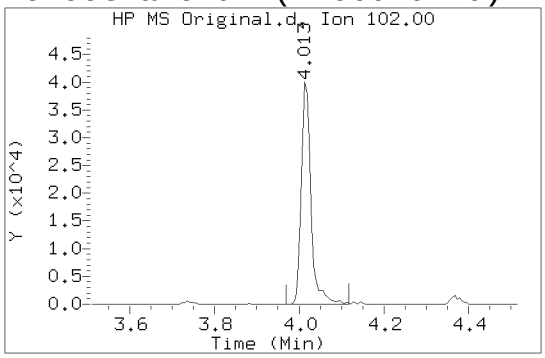
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Inj Date : 28-JUN-2024 10:23
InstruID : ms25.i
LabSampID : 3845976

1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

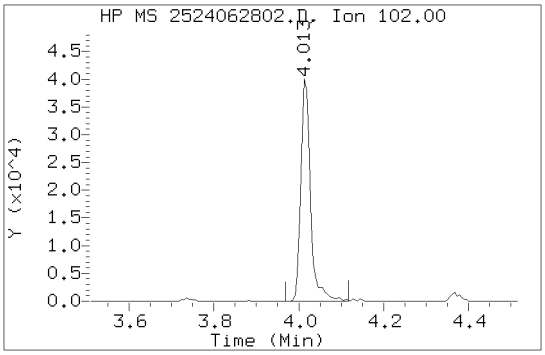
BEFORE

MASS
102
AREA
63884
HEIGHT
40056
28-Jun-2024
10:37



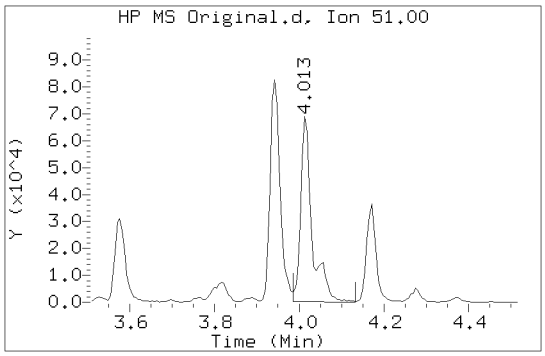
AFTER

MASS
102
AREA
63884
HEIGHT
40056
30-Jun-2024
15:00



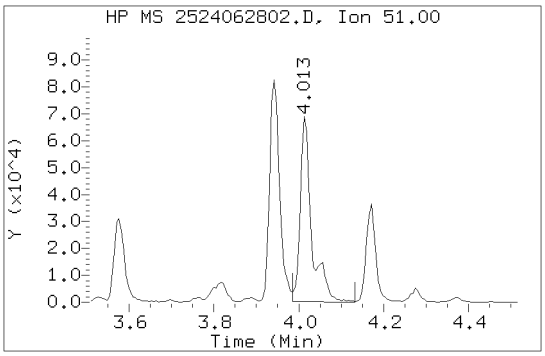
BEFORE

MASS
51
AREA
129385
HEIGHT
68722
28-Jun-2024
10:37



AFTER

MASS
51
AREA
129385
HEIGHT
68722
30-Jun-2024
15:00



UNASSIGNED PEAK REPORT

Report Date: 06/30/2024 15:00
Client ID: LCS for HBN 1236144
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240628.b/252406280
Inj Date: 28-JUN-2024 10:23
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2524062804.D Page 1
Report Date: 29-Jun-2024 09:39

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062804.D
Lab Smp Id: 3845975 Client Smp ID: MB for HBN 1236144
Inj Date : 28-JUN-2024 11:24
Operator : TMP Inst ID: ms25.i
Smp Info : 3845975;;1;3;;MB;;
Misc Info : ZZ VOMS 73650 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\25-8260b09D.m
Meth Date : 28-Jun-2024 10:37 ily Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	Compound Not Detected.						
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	Compound Not Detected.						
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2524062804.D Page 2
Report Date: 29-Jun-2024 09:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	Compound Not Detected.						
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.706	3.707	(0.889)	234435	27.6114	27.6114	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.012	4.012	(0.962)	274259	30.6424	30.6424	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1076068	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	Compound Not Detected.						
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.120	5.120	(0.829)	926112	30.3157	30.3157	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2524062804.D Page 3
Report Date: 29-Jun-2024 09:39

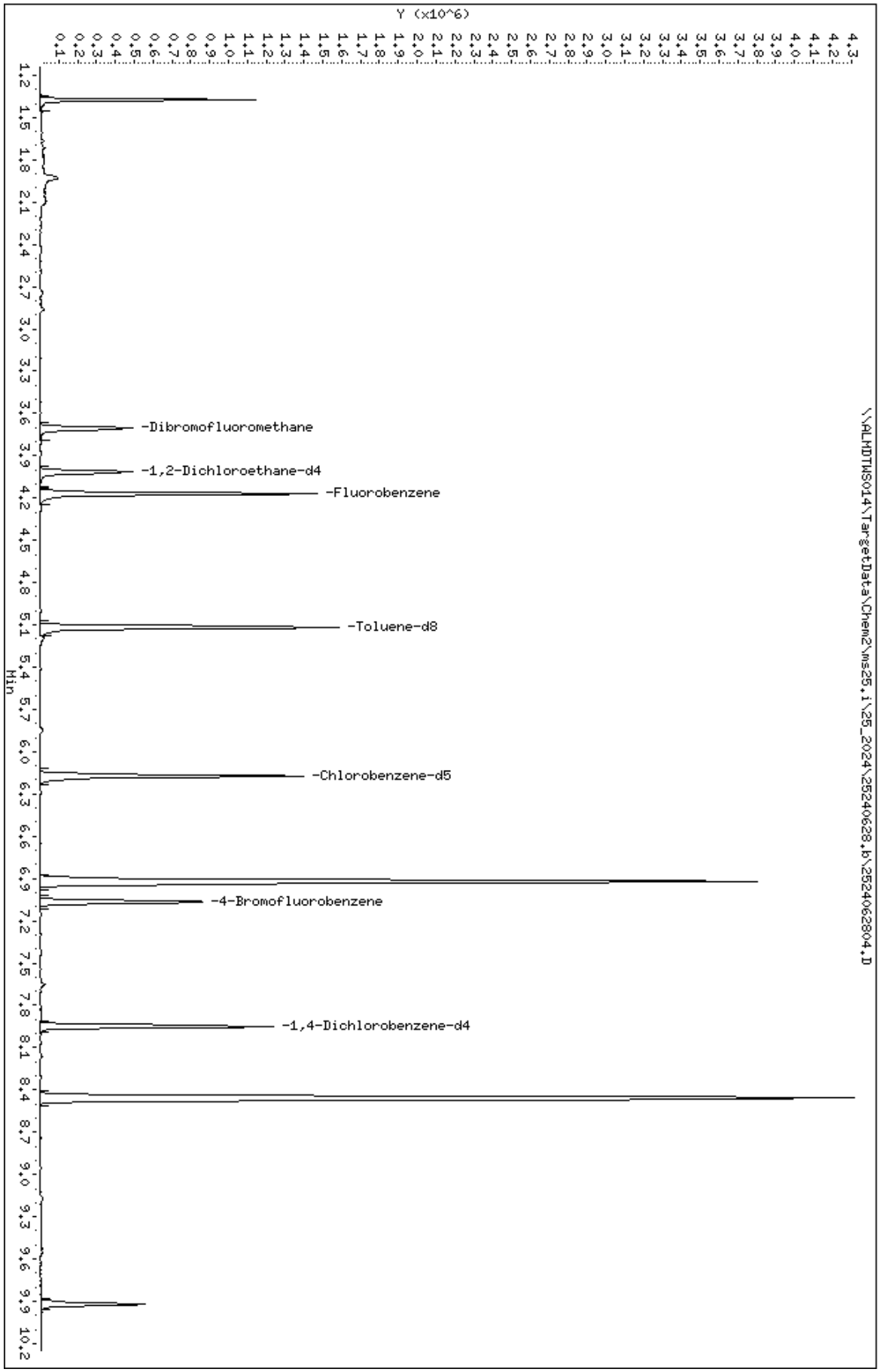
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	385851	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	228407	26.8243	26.8243	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	307789	30.0000		(Q)
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ALMDTMS014\TargetData\Chem2\ms25,i\25_2024\25240628,b\2524062804,D
Date : 28-JUN-2024 11:24
Client ID: MB for HBN 1236144
Sample Info: 3845975;;1;3;;MB;;
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms25,i
Operator: TMP
Column diameter: 0.25



Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062804.D
Inj Date : 28-JUN-2024 11:24
InstruID : ms25.i
LabSampID : 3845975

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 06/29/2024 09:39
Client ID: MB for HBN 1236144
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240628.b/252406280
Inj Date: 28-JUN-2024 11:24
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
Acrolein
Benzyl Chloride
Bromoform
tert.- Butyl Alcohol
n-Butylbenzene
1-Chlorohexane
3-Chloro-1-propene
1,3-Dichlorobenzene
1,2-Dichloroethane
Ethyl methacrylate
Heptane
Hexachloroethane
Isopropylbenzene
Methacrylonitrile
2-Nitropropane
1,1,1,2-Tetrachloroethane
1,2,3-Trichloropropane
1,3,5-Trimethylbenzene

Data File: 2524062805.D Page 1
Report Date: 30-Jun-2024 15:00

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062805.D
Lab Smp Id: 3366030005 Client Smp ID: Trip Blank
Inj Date : 28-JUN-2024 11:45
Operator : TMP Inst ID: ms25.i
Smp Info : 3366030005;;1;;;;;
Misc Info : ZZ VOMS 73650 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\25-8260b09D.m
Meth Date : 28-Jun-2024 10:37 ily Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	2.097	2.097	(0.503)	48503	2.69250	2.69250	
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	Compound Not Detected.						
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	Compound Not Detected.						
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						

Data File: 2524062805.D Page 2
Report Date: 30-Jun-2024 15:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	Compound Not Detected.						
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	Compound Not Detected.						
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	229931	27.7162	27.7162	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.018	4.012	(0.963)	271876	31.0888	31.0888	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1051403	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	Compound Not Detected.						
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.120	5.120	(0.829)	922899	30.3380	30.3380	
	69 Toluene	92	5.152	5.153	(0.835)	4798	0.24884	0.248844(a)	
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						

Data File: 2524062805.D Page 3
Report Date: 30-Jun-2024 15:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	76 Ethyl methacrylate	69	Compound Not Detected.						
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	384230	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	265067	30.5125	30.5125	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	314015	30.0000		(Q)
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062805.D

Date : 28-JUN-2024 11:45

Client ID: Trip Blank

Instrument: ms25.i

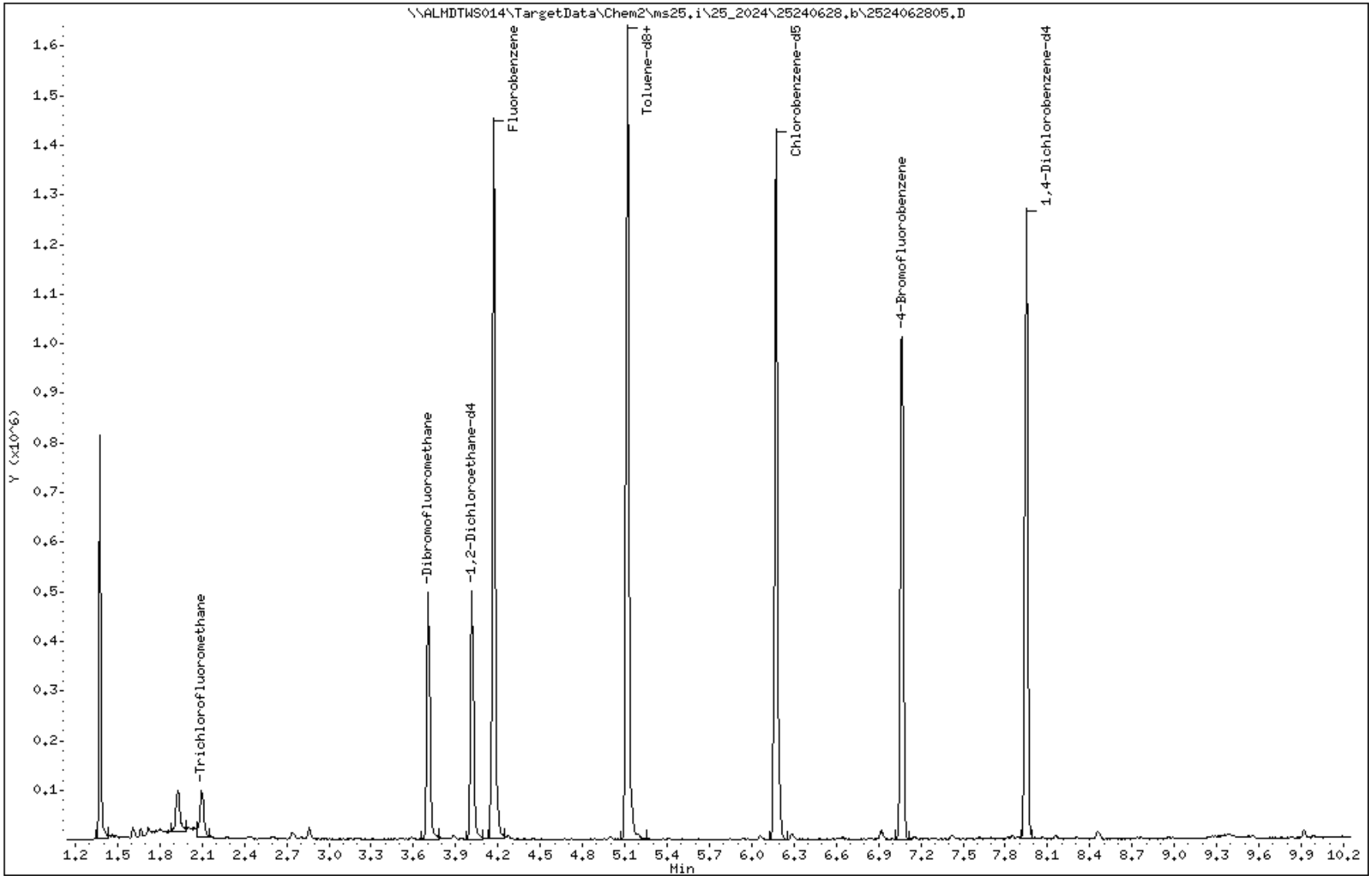
Sample Info: 3366030005;;1;;;;;

Purge Volume: 5.0

Operator: TMP

Column phase: DB-VRX

Column diameter: 0.25



Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062805.D Page 2

Date : 28-JUN-2024 11:45

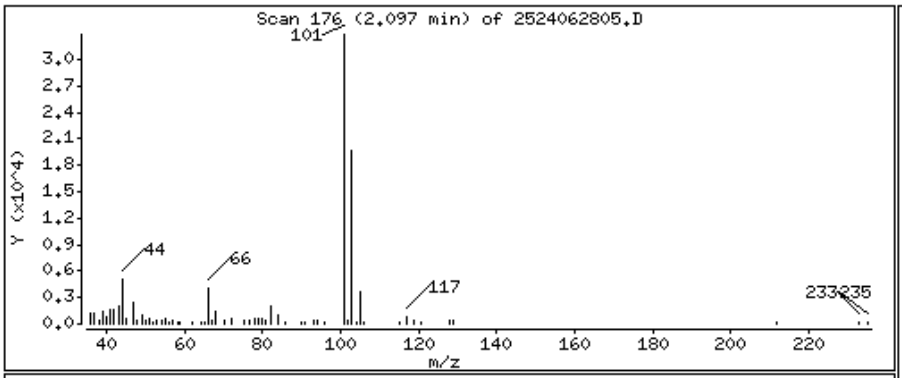
Client ID: Trip Blank Instrument: ms25.i

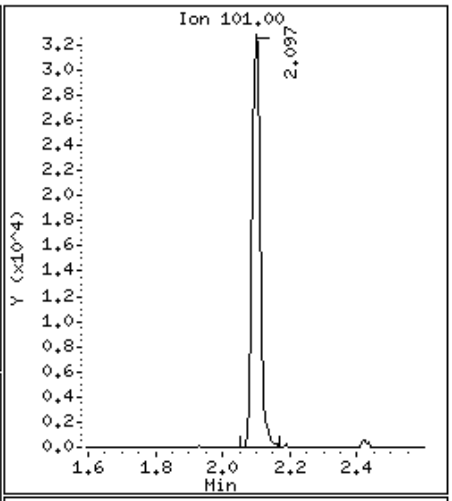
Sample Info: 3366030005;;1;;;;;

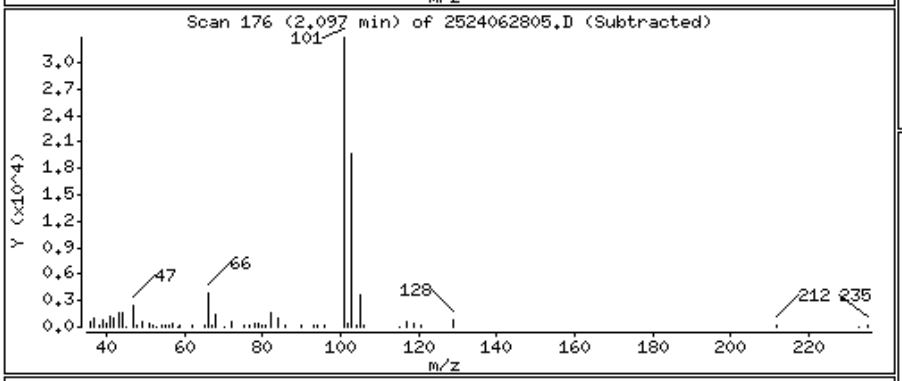
Purge Volume: 5.0 Operator: TMP

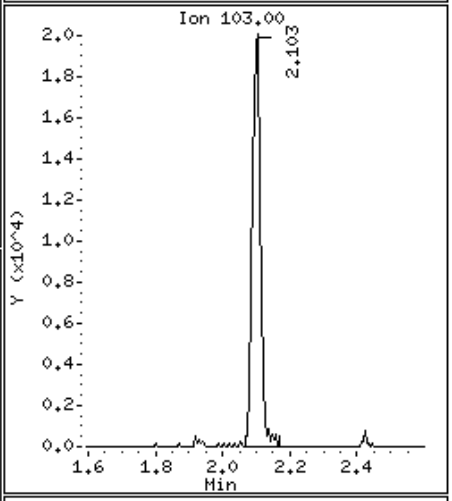
Column phase: DB-VRX Column diameter: 0.25

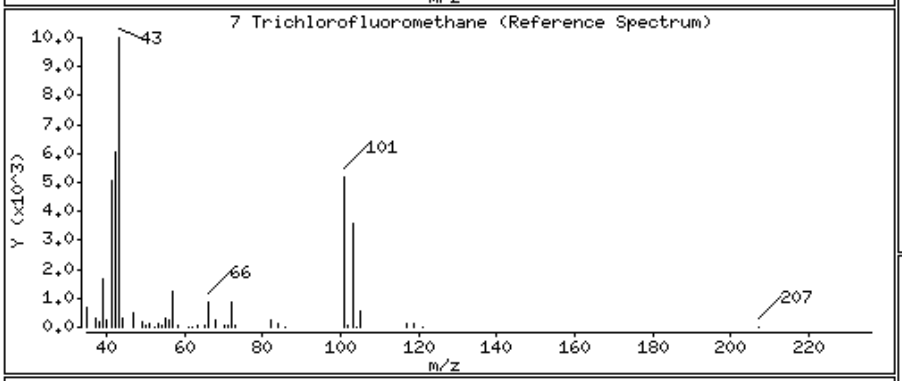
7 Trichlorofluoromethane Concentration: 2.69250 ug/L

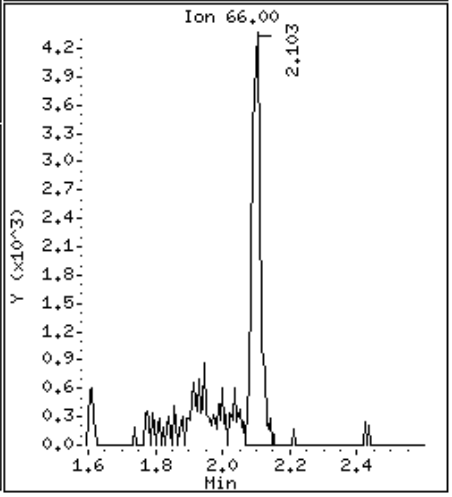


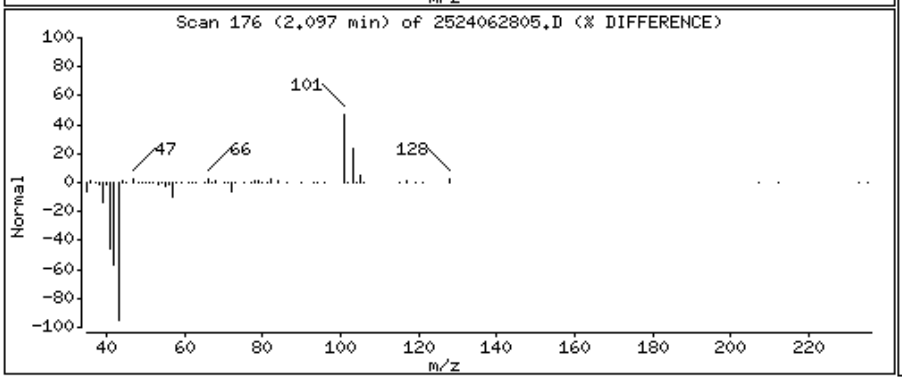












Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062805.D Page 3

Date : 28-JUN-2024 11:45

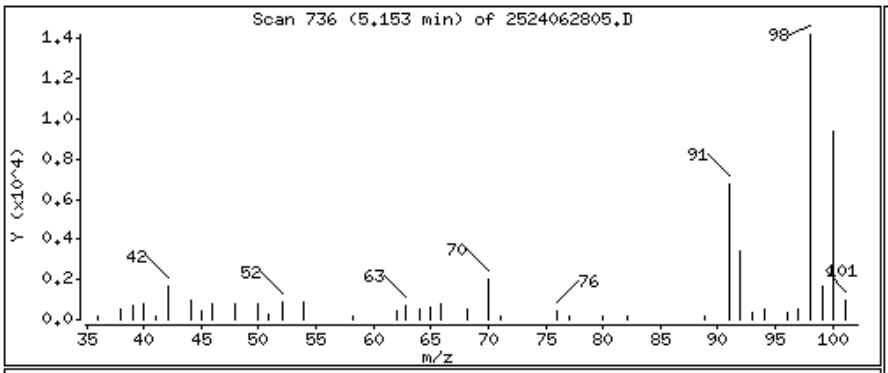
Client ID: Trip Blank Instrument: ms25.i

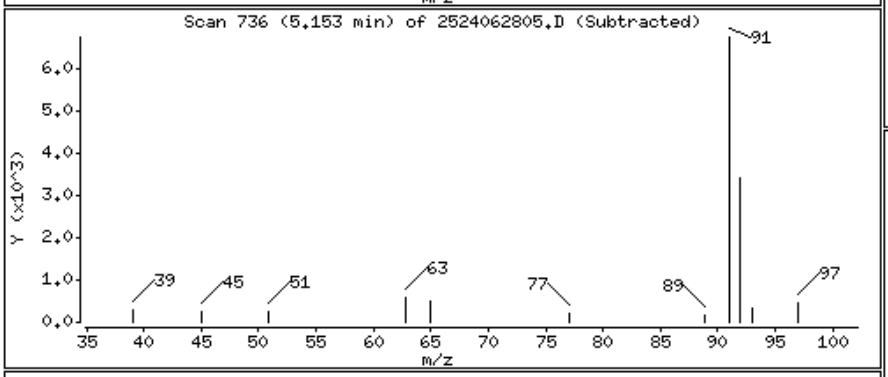
Sample Info: 3366030005;;1;;;;;

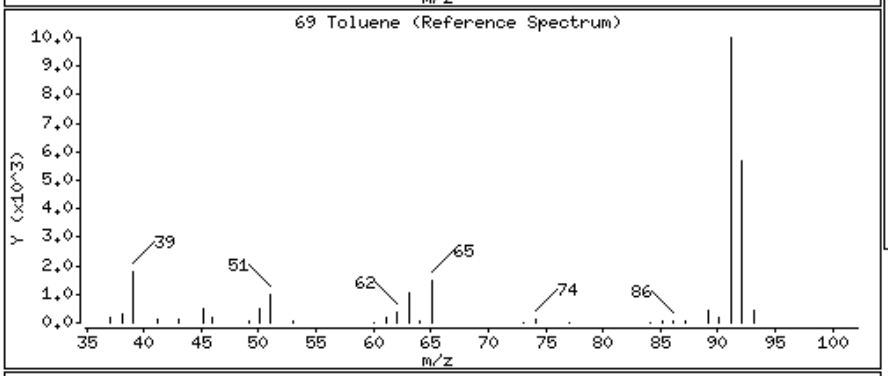
Purge Volume: 5.0 Operator: TMP

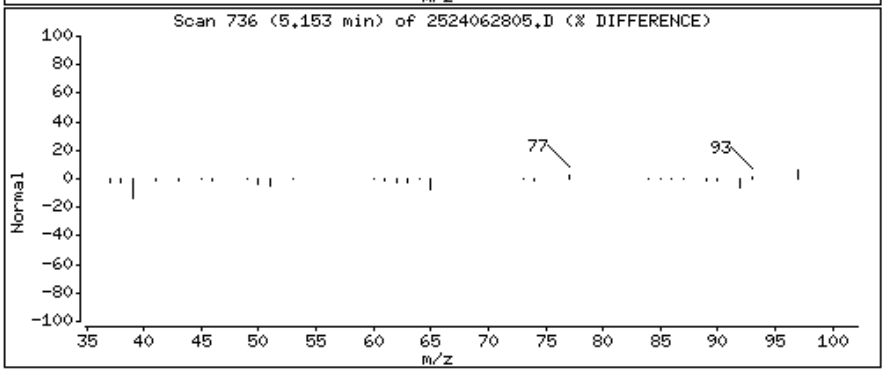
Column phase: DB-VRX Column diameter: 0.25

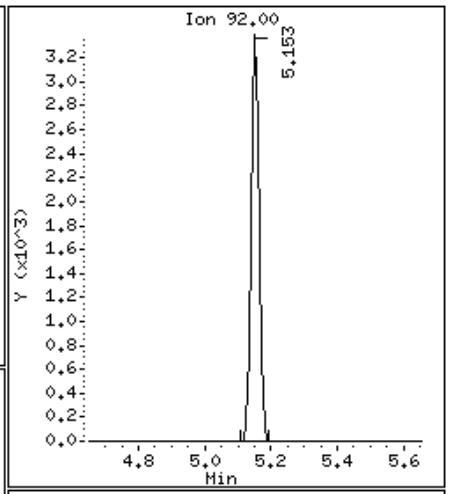
69 Toluene Concentration: 0.248844 ug/L

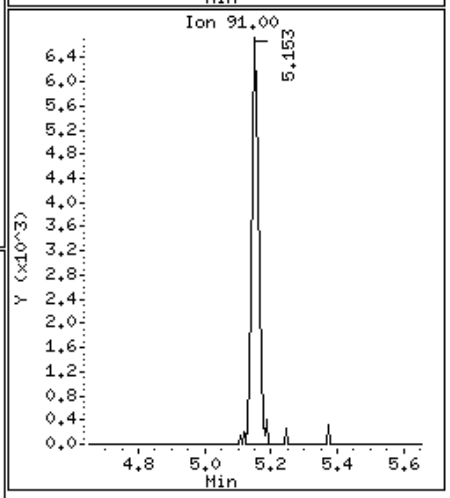












Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062805.D
Inj Date : 28-JUN-2024 11:45
InstruID : ms25.i
LabSampID : 3366030005

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 06/30/2024 15:00
Client ID: Trip Blank
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240628.b/252406280
Inj Date: 28-JUN-2024 11:45
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
Chloroethane
1,2-Dichloroethane
Heptane
2-Nitropropane
Chloroacetonitrile
1-Chlorohexane
Ethyl methacrylate
Methacrylonitrile

Data File: 2524062829.D Page 1
Report Date: 30-Jun-2024 15:02

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\2524062829.D
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Inj Date : 28-JUN-2024 19:34
Operator : TMP Inst ID: ms25.i
Smp Info : 1801;;1;;;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240628.b\25-8260b09D.m
Meth Date : 28-Jun-2024 10:37 ily Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 28 QC Sample: ENDCCV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	476524	45.7071	45.7071	
2 Chloromethane	50	1.644	1.644	(0.394)	456530	50.1424	50.1424	
3 Vinyl Chloride	62	1.704	1.704	(0.409)	557838	47.3313	47.3313	
4 Bromomethane	94	1.922	1.922	(0.461)	324391	57.5689	57.5689	
5 Chloroethane	64	2.004	2.004	(0.481)	378630	47.5455	47.5455	
6 Pentane	41	2.092	2.092	(0.502)	284874	38.5449	38.5449	
7 Trichlorofluoromethane	101	2.097	2.097	(0.503)	739868	45.8306	45.8306	
8 Dichlorofluoromethane	67	2.124	2.124	(0.509)	740524	49.5748	49.5748	
9 Ethyl Ether	74	2.277	2.277	(0.546)	227654	50.1174	50.1174	
10 1,1-Dichloroethene	61	2.414	2.414	(0.579)	433428	47.8173	47.8173	
12 Carbon Disulfide	76	2.446	2.446	(0.587)	921041	47.1041	47.1041	
11 Freon 113	101	2.424	2.424	(0.581)	289522	45.4123	45.4123	
13 Iodomethane	127	2.512	2.506	(0.602)	159468	45.4279	45.4279	
14 Acrolein	56	2.599	2.599	(0.623)	336100	229.881	229.881	
16 3-Chloro-1-propene	41	2.681	2.681	(0.643)	369383	46.7782	46.7782	
15 Isopropyl Alcohol	45	2.654	2.654	(0.636)	118651	248.249	248.249	
17 Methylene Chloride	84	2.741	2.741	(0.657)	362333	48.9370	48.9370	
18 Acetone	58	2.752	2.752	(0.660)	193216	235.539	235.539	
19 Methyl acetate	74	2.812	2.817	(0.674)	78558	46.5922	46.5922	
20 trans-1,2-Dichloroethene	61	2.828	2.828	(0.678)	438926	49.4406	49.4406	
21 Hexane	57	2.866	2.866	(0.687)	628444	42.5120	42.5120	

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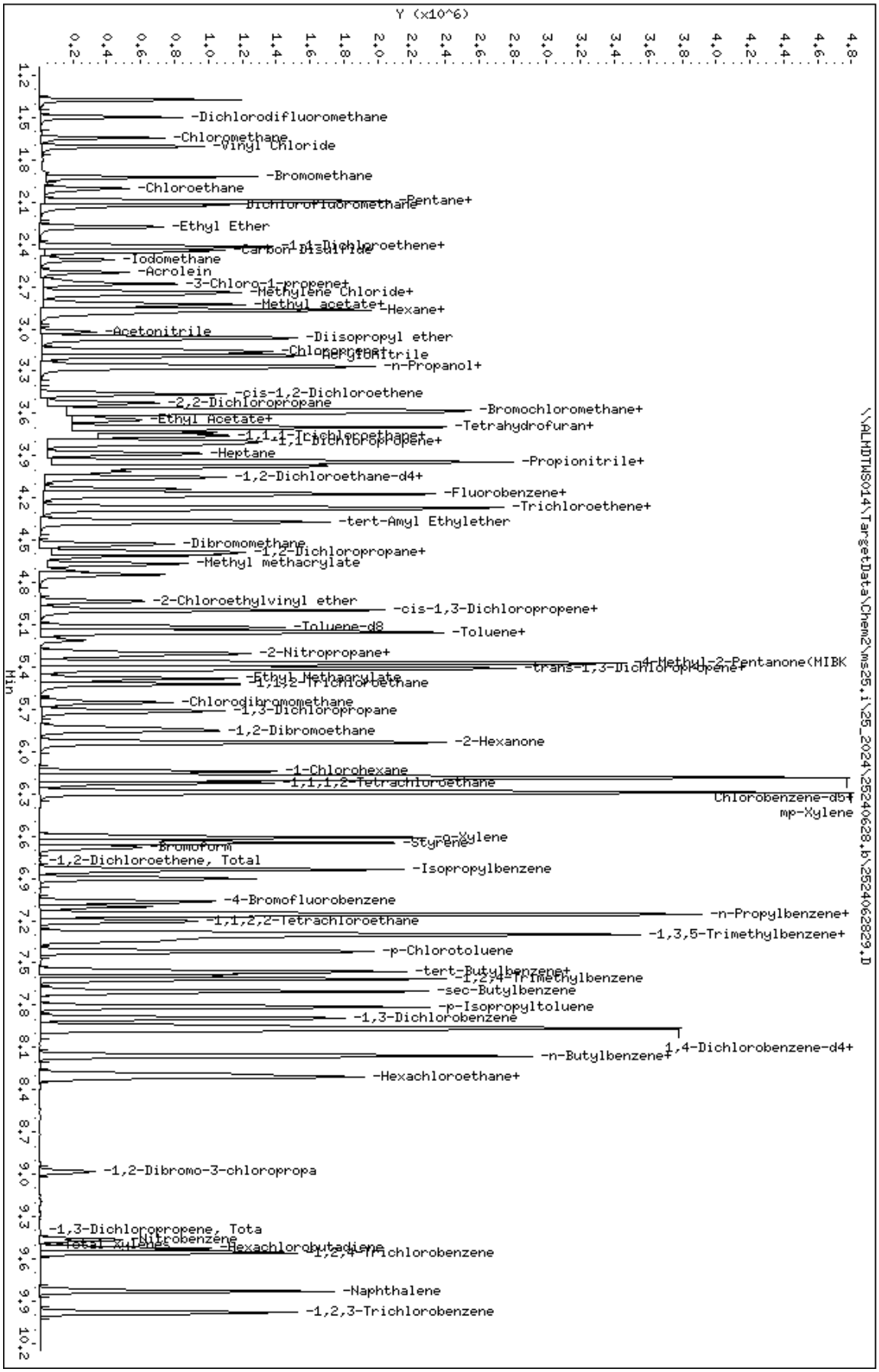
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	1071642	47.0650	47.0650	
	23 tert.- Butyl Alcohol	59	2.894	2.894	(0.694)	206316	251.940	251.940	
	24 Acetonitrile	41	3.019	3.019	(0.724)	249065	271.520	271.520	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	1049010	53.2408	53.2408	
	26 Chloroprene	53	3.156	3.156	(0.757)	526396	52.6964	52.6964	
	27 1,1-Dichloroethane	63	3.167	3.167	(0.759)	629854	52.0754	52.0754	
	28 Acrylonitrile	53	3.188	3.188	(0.765)	839842	266.618	266.618	
	30 n-Propanol	41	3.265	3.265	(0.783)	196020	504.987	504.987	
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	1118143	53.4320	53.4320	
	31 Vinyl acetate	86	3.276	3.276	(0.785)	89926	43.6073	43.6073(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.461	(0.830)	461210	51.2360	51.2360	
	33 2,2-Dichloropropane	77	3.527	3.527	(0.846)	381332	39.5579	39.5579	
M	100 1,2-Dichloroethene, Total	61				900136	100.677	100.677	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	200996	51.7777	51.7777	
	35 Cyclohexane	84	3.587	3.592	(0.860)	508413	47.0711	47.0711	
	36 Chloroform	83	3.598	3.598	(0.863)	670981	51.3886	51.3886	
	37 Ethyl acetate	43	3.636	3.636	(0.872)	375369	47.9422	47.9422	
	38 Methyl acrylate	55	3.652	3.652	(0.876)	377885	52.1320	52.1320	
	39 Carbon Tetrachloride	117	3.701	3.701	(0.887)	425710	44.3751	44.3751(M)	MP
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	578215	260.929	260.929	
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	209520	28.1823	28.1823	
	42 1,1,1-Trichloroethane	97	3.734	3.734	(0.895)	516738	50.8452	50.8452	
	43 2-Butanone	72	3.761	3.761	(0.902)	265334	247.684	247.684(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.799	(0.911)	469934	48.8839	48.8839	
	45 1-Chlorobutane	41	3.821	3.821	(0.916)	301187	48.7194	48.7194	
	46 Heptane	71	3.887	3.887	(0.932)	215873	38.6515	38.6515	
	48 Propionitrile	54	3.941	3.941	(0.945)	329429	276.176	276.176	
	47 Benzene	78	3.941	3.941	(0.945)	1446292	48.9476	48.9476	
	49 Methacrylonitrile	67	3.952	3.952	(0.948)	188826	52.8076	52.8076	
	50 tert-amyl methyl Ether	73	3.974	3.974	(0.953)	1074915	53.2128	53.2128	
$	51 1,2-Dichloroethane-d4	65	4.012	4.012	(0.962)	260324	33.2171	33.2171	
	54 Isobutyl alcohol	42	3.990	3.985	(0.957)	121962	669.056	669.056(Q)	
	52 1,2-Dichloroethane	62	4.050	4.056	(0.971)	463933	49.9465	49.9465	
	53 tert-Amyl Alcohol	59	4.056	4.056	(0.973)	153589	244.452	244.452	
*	55 Fluorobenzene	96	4.171	4.171	(1.000)	942225	30.0000		
	56 Diisobutylene	57	4.176	4.176	(1.001)	821093	44.8583	44.8583	
	57 Trichloroethene	95	4.269	4.269	(1.024)	355017	47.4738	47.4738	
	58 Methyl cyclohexane	83	4.274	4.274	(0.692)	550069	44.3755	44.3755	
	59 tert-Amyl Ethylether	59	4.367	4.367	(1.047)	836182	47.5019	47.5019	
	60 Dibromomethane	93	4.525	4.525	(1.085)	244768	51.7755	51.7755	
	61 1,2-Dichloropropane	63	4.585	4.585	(1.099)	372299	52.3518	52.3518	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	450237	45.5497	45.5497	
	63 Methyl methacrylate	41	4.667	4.667	(1.119)	302498	53.7466	53.7466	
	65 2-Chloroethylvinyl ether	63	4.934	4.934	(1.183)	238328	45.8236	45.8236	
	66 cis-1,3-Dichloropropene	75	4.994	4.994	(0.809)	567120	43.9005	43.9005	
	67 Octane	85	5.000	5.000	(0.810)	180194	38.3388	38.3388	
$	68 Toluene-d8	98	5.114	5.120	(0.829)	835520	27.6150	27.6150	
	69 Toluene	92	5.153	5.153	(0.835)	858364	44.7604	44.7604	
	70 Chloroacetonitrile	75	5.207	5.213	(0.844)	118069	246.977	246.977	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	472406	224.832	224.832	
	72 1,1-Dichloro-2-propanone	63	5.316	5.316	(0.861)	44432	218.793	218.793(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	1896985	250.489	250.489	
	75 trans-1,3-Dichloropropene	75	5.409	5.409	(0.876)	520501	43.5154	43.5154	
	74 Tetrachloroethene	164	5.409	5.409	(0.876)	331283	47.4416	47.4416	

Data File: 2524062829.D
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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	76 Ethyl methacrylate	69	5.480	5.480	(0.888)	537352	46.5111	46.5111	
	77 1,1,2-Trichloroethane	83	5.518	5.524	(0.894)	288637	48.9880	48.9880	
	78 Chlorodibromomethane	129	5.649	5.649	(0.915)	362794	43.4851	43.4851	
	79 1,3-Dichloropropane	76	5.715	5.715	(0.926)	587376	50.4563	50.4563	
	80 1,2-Dibromoethane	107	5.829	5.829	(0.944)	356010	45.4159	45.4159	
	81 2-Hexanone	43	5.933	5.933	(0.961)	1274042	245.242	245.242	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	469930	46.5805	46.5805	
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	382152	30.0000		
	85 Ethylbenzene	106	6.189	6.189	(1.003)	497347	43.5094	43.5094	
	84 Chlorobenzene	112	6.184	6.184	(1.002)	928765	47.5253	47.5253	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.222	(1.008)	325454	44.1445	44.1445	
	87 mp-Xylene	106	6.288	6.288	(1.019)	1182450	87.0549	87.0549	
M	120 1,3-Dichloropropene, Total	75				1087621	87.4159	87.4159	
	88 o-Xylene	106	6.610	6.610	(1.071)	577425	44.4001	44.4001	
	89 Styrene	104	6.648	6.648	(0.836)	932750	48.8613	48.8613	
	90 Bromoform	173	6.680	6.680	(0.840)	239570	44.4634	44.4634	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	1301392	48.9014	48.9014	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	262926	29.4423	29.4423	
M	121 TOTAL XYLENES	106				1759875	131.455	131.455	
	94 n-Propylbenzene	120	7.155	7.155	(0.900)	396133	50.7584	50.7584	
	93 Bromobenzene	156	7.155	7.155	(0.900)	389157	50.9900	50.9900	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.204	(0.906)	417109	54.9865	54.9865	
	97 1,3,5-Trimethylbenzene	105	7.303	7.303	(0.918)	1118950	51.5170	51.5170	
	96 o-Chlorotoluene	91	7.292	7.292	(0.917)	1080859	52.6401	52.6401	
	98 1,2,3-Trichloropropane	110	7.324	7.324	(0.921)	129851	53.0742	53.0742	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.346	(0.924)	110229	47.3695	47.3695	
	101 p-Chlorotoluene	91	7.417	7.417	(0.933)	978055	52.5878	52.5878	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	274430	52.8285	52.8285	
	103 Pentachloroethane	117	7.586	7.586	(0.954)	225745	43.3149	43.3149(QM)	MP
	104 1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	1122954	48.8222	48.8222	
	105 sec-Butylbenzene	105	7.701	7.701	(0.968)	1424919	53.0807	53.0807	
	106 p-Isopropyltoluene	134	7.810	7.815	(0.982)	318897	51.8753	51.8753	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	659391	51.2832	51.2832	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	322801	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	682826	50.9482	50.9482	
	111 n-Butylbenzene	134	8.159	8.159	(1.026)	281265	48.9601	48.9601(Q)	
	110 Benzyl Chloride	126	8.159	8.159	(1.026)	97200	30.4434	30.4434(Q)	
	112 Hexachloroethane	117	8.290	8.290	(1.043)	209993	45.6209	45.6209	
	113 1,2-Dichlorobenzene	146	8.312	8.312	(1.045)	641643	52.3882	52.3882	
	114 1,2-Dibromo-3-chloropropane	75	8.978	8.983	(1.129)	67946	46.8626	46.8626	
	115 Nitrobenzene	77	9.463	9.463	(1.190)	212100	451.116	451.116	
	116 Hexachlorobutadiene	225	9.529	9.529	(1.198)	173297	42.8044	42.8044	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	406711	50.1434	50.1434	
	118 Naphthalene	128	9.829	9.829	(1.236)	1109774	46.5708	46.5708	
	119 1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	406481	44.6345	44.6345	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



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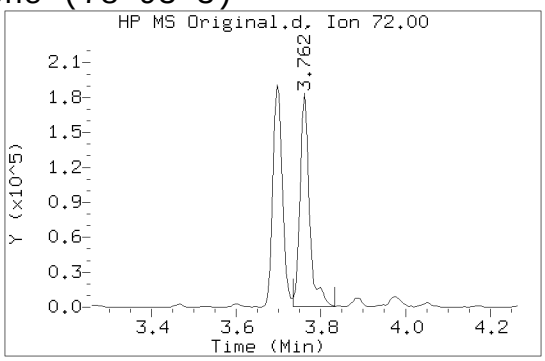
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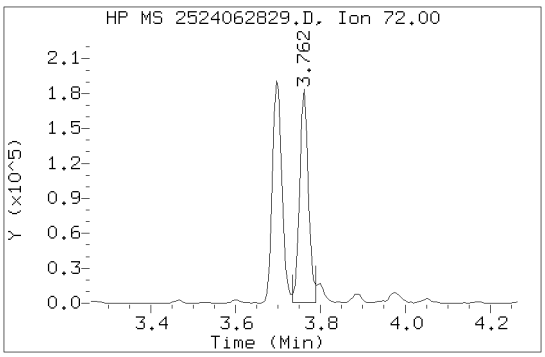
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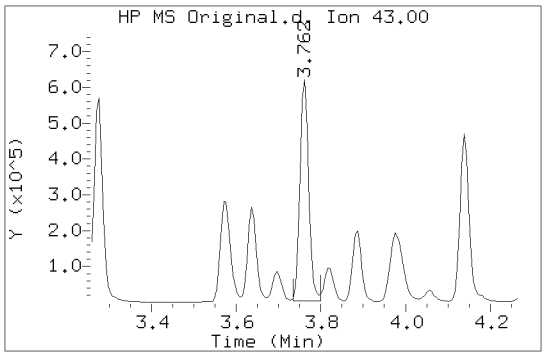
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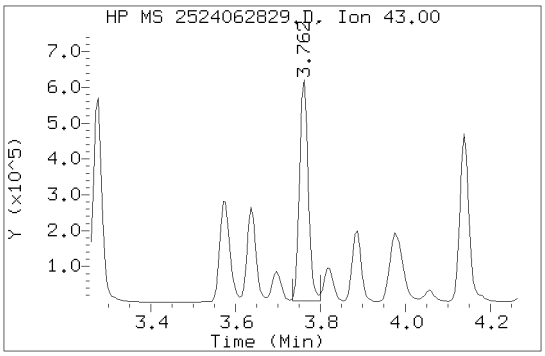
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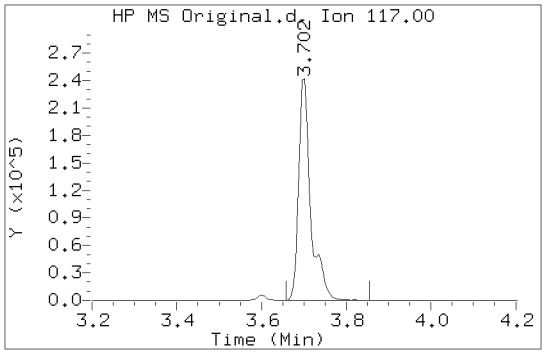
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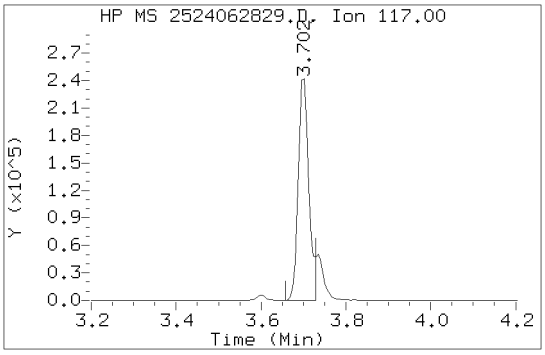
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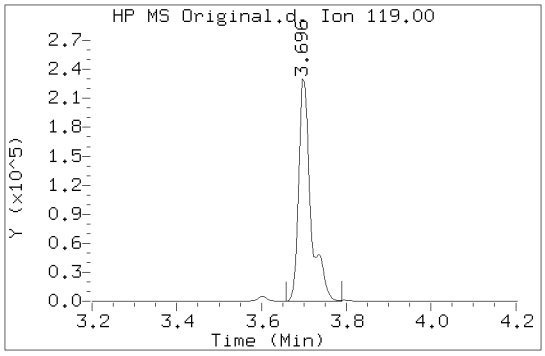
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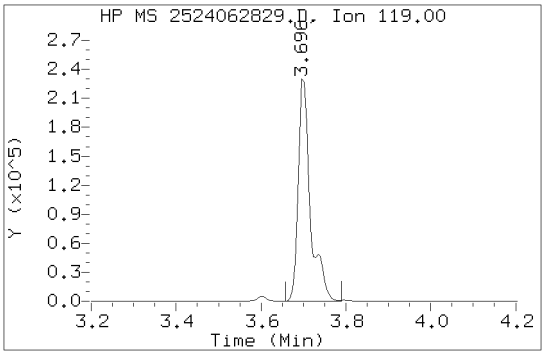
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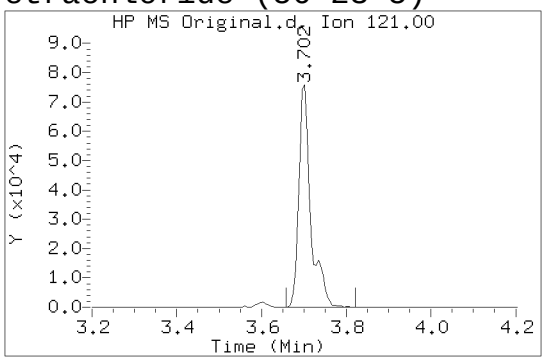


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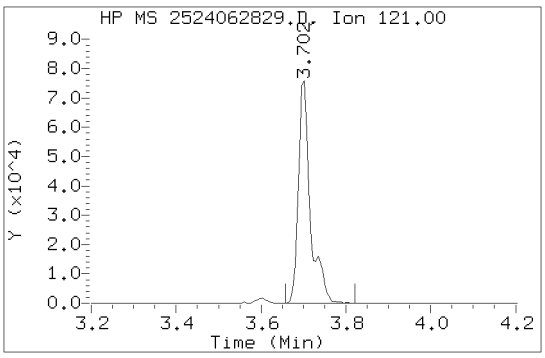
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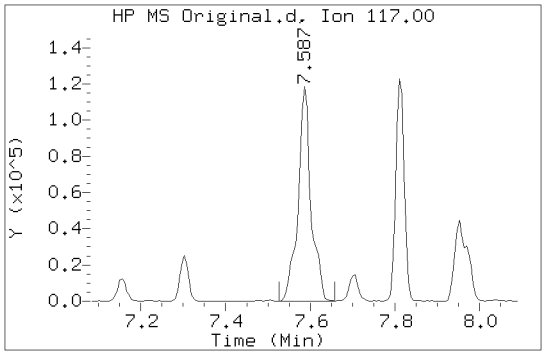
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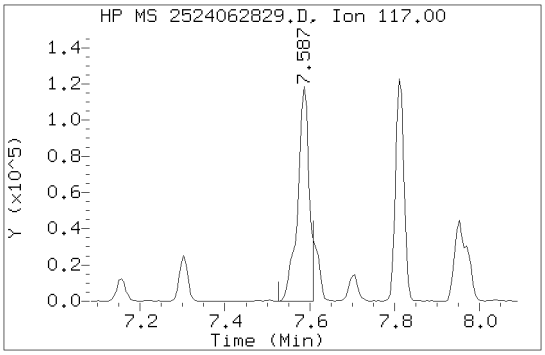
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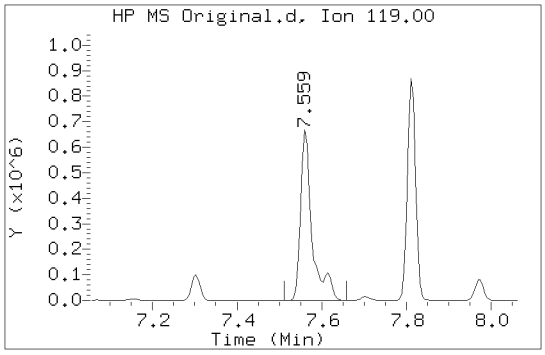
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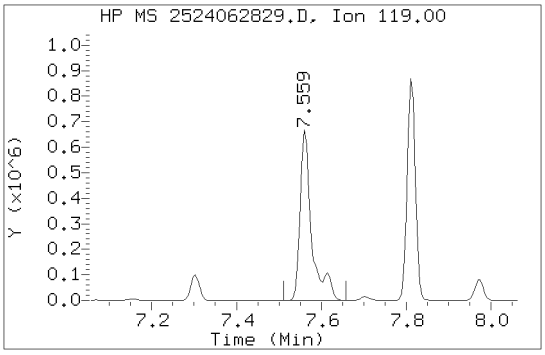
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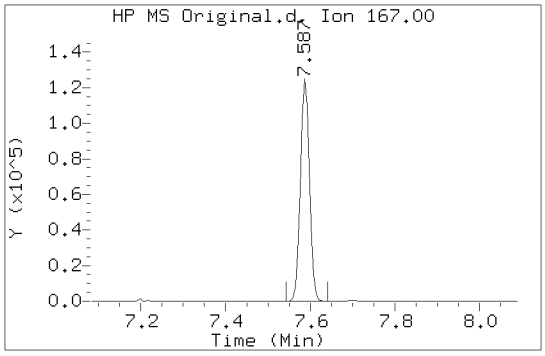
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29-Jun-2024
10:34



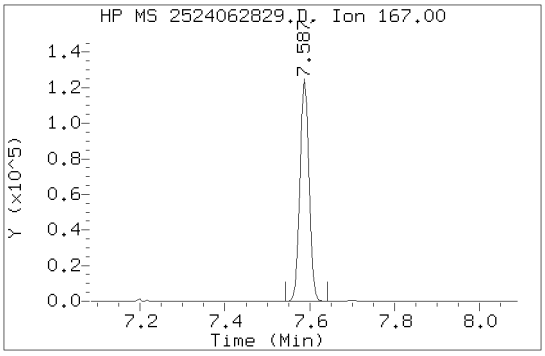
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30-Jun-2024
15:02



BEFORE
MASS
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HEIGHT
124920
29-Jun-2024
10:34



AFTER
MASS
167
AREA
185815
HEIGHT
124920
30-Jun-2024
15:02



UNASSIGNED PEAK REPORT

Report Date: 06/30/2024 15:02
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240628.b/252406282
Inj Date: 28-JUN-2024 19:34
Operator: TMP

There were no Unassigned peaks in this sample!

right solutions.
right partner.

Raw Data 25240701

Volatiles by EPA 8260D

Workorder

3366030

Client

ALS Houston

Project

AHH138|HS24061313

07/18/2024

Data File: 2524070100.D Page 1
Report Date: 01-Jul-2024 18:36

ALS Environmental Services

BFB Tune

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070100.D
Lab Smp Id: 1000
Inj Date : 01-JUL-2024 08:32
Operator : TMP Inst ID: ms25.i
Smp Info : 1000
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\bfb288.m
Meth Date : 13-Sep-2023 15:55 bsimms Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
7.057	8.129	(0.000)	95	84720			0.00- 100.00	100.00
7.057	8.129	(0.000)	50	14263			15.00- 40.00	16.84
7.057	8.129	(0.000)	75	39352			30.00- 60.00	46.45
7.057	8.129	(0.000)	96	6190			5.00- 9.00	7.31
7.057	8.129	(0.000)	173	919			0.00- 2.00	1.19
7.057	8.129	(0.000)	174	77184			50.00- 0.00	91.10
7.057	8.129	(0.000)	175	6668			5.00- 9.00	8.64
7.057	8.129	(0.000)	176	74088			95.00- 101.00	95.99
7.057	8.129	(0.000)	177	4914			5.00- 9.00	6.63

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.84
75	30.00 - 60.00% of mass 95	46.45
96	5.00 - 9.00% of mass 95	7.31
173	Less than 2.00% of mass 174	1.08 (1.19)
174	Greater than 50.00% of mass 95	91.10
175	5.00 - 9.00% of mass 174	7.87 (8.64)
176	95.00 - 101.00% of mass 174	87.45 (95.99)
177	5.00 - 9.00% of mass 176	5.80 (6.63)

Data File: 2524070100.D
Spectrum: Avg. Scans 1084-1086 (7.06), Background Scan 1077
Location of Maximum: 95.00
Number of points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	567	62.00	3738	88.00	3493	137.00	239
37.00	2984	63.00	2652	91.00	479	141.00	897
38.00	3366	64.00	294	92.00	2391	142.00	133
39.00	1360	67.00	212	93.00	3823	143.00	939
43.00	58	68.00	8056	94.00	10484	146.00	158
44.00	312	69.00	7814	95.00	84720	148.00	185
45.00	893	70.00	723	96.00	6190	155.00	75
47.00	1014	72.00	424	104.00	464	157.00	82
48.00	460	73.00	3731	105.00	61	159.00	171
49.00	3132	74.00	13524	106.00	374	172.00	375
50.00	14263	75.00	39352	107.00	132	173.00	919
51.00	4094	76.00	3431	115.00	286	174.00	77184
52.00	236	77.00	469	116.00	118	175.00	6668
55.00	307	78.00	486	117.00	638	176.00	74088
56.00	1086	79.00	2701	118.00	284	177.00	4914
57.00	2251	80.00	567	119.00	722	178.00	189
58.00	50	81.00	2625	128.00	459	207.00	62
59.00	63	82.00	600	129.00	160	211.00	145
60.00	1003	83.00	115	130.00	374		
61.00	3794	87.00	4168	135.00	161		

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Date : 01-JUL-2024 08:32

Client ID:

Instrument: ms25.i

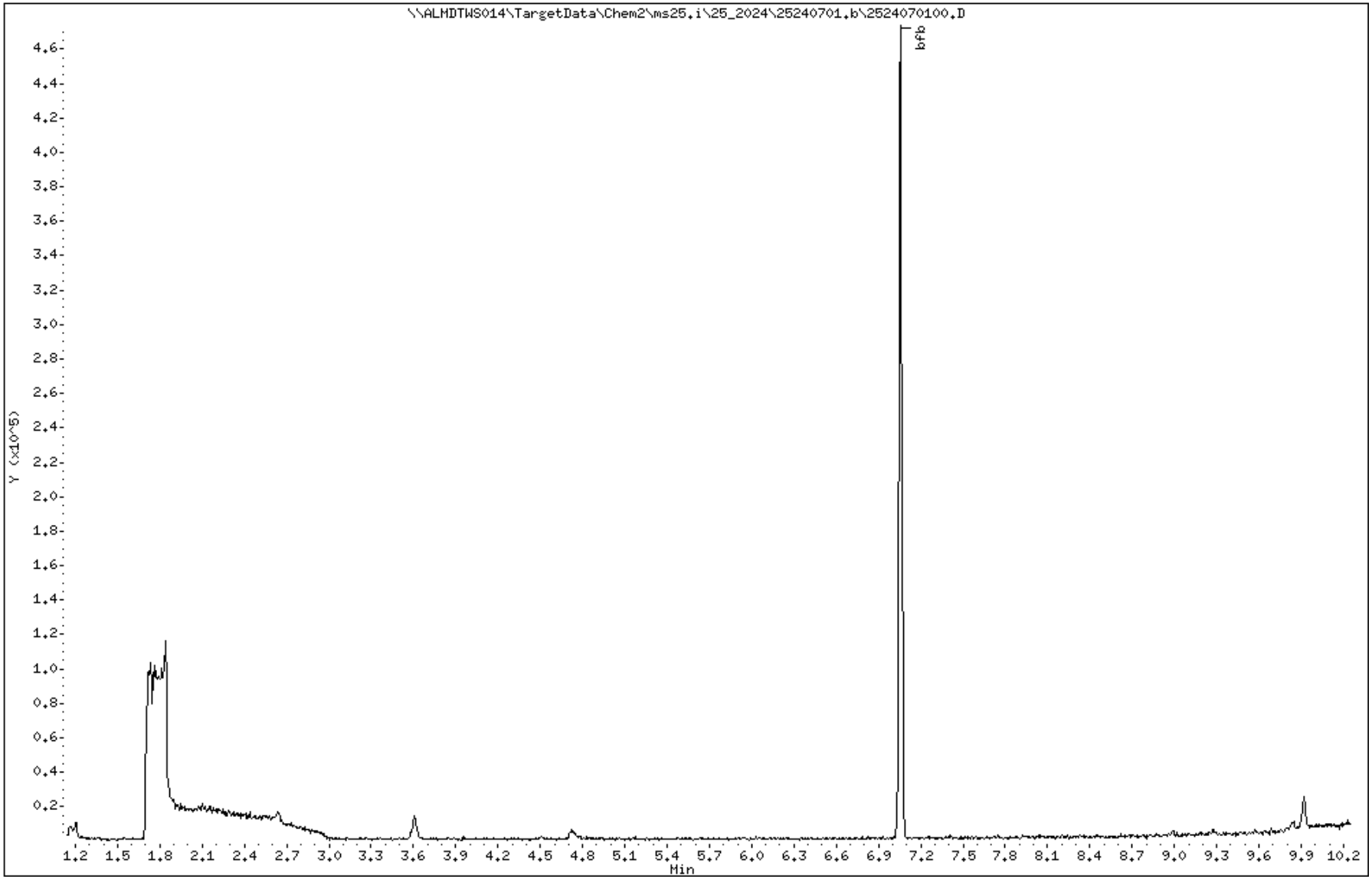
Sample Info: 1000

Volume Injected (uL): 1.0

Operator: TMP

Column phase: DB624

Column diameter: 0.53



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Inj Date : 01-JUL-2024 08:32
InstruID : ms25.i
LabSampID : 1000

NO MANUAL INTEGRATIONS

Data File: 2524070101.D Page 1
Report Date: 02-Jul-2024 13:09

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070101.D
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Inj Date : 01-JUL-2024 09:22
Operator : TMP Inst ID: ms25.i
Smp Info : 1800;;1;2;4;;;
Misc Info :
Comment :
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Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	530498	50.0000	43.2758	
2 Chloromethane	50	1.644	1.644	(0.394)	486905	50.0000	45.4715	
3 Vinyl Chloride	62	1.704	1.704	(0.409)	622999	50.0000	44.9562	
4 Bromomethane	94	1.922	1.922	(0.461)	342260	50.0000	51.6129	
5 Chloroethane	64	2.004	2.004	(0.481)	426132	50.0000	45.4962	
6 Pentane	41	2.091	2.091	(0.502)	289216	50.0000	33.1367	
7 Trichlorofluoromethane	101	2.097	2.097	(0.503)	873940	50.0000	46.0411	
8 Dichlorofluoromethane	67	2.124	2.124	(0.509)	845787	50.0000	48.1554	
9 Ethyl Ether	74	2.277	2.277	(0.546)	270898	50.0000	50.7203	
10 1,1-Dichloroethene	61	2.413	2.413	(0.579)	498868	50.0000	46.8076	
12 Carbon Disulfide	76	2.446	2.446	(0.587)	1047558	50.0000	45.5639	
11 Freon 113	101	2.424	2.424	(0.581)	343421	50.0000	45.8122	
13 Iodomethane	127	2.506	2.506	(0.601)	200914	50.0000	48.6402	
14 Acrolein	56	2.599	2.599	(0.623)	414850	250.000	241.317	
16 3-Chloro-1-propene	41	2.681	2.681	(0.643)	417175	50.0000	44.9380	
15 Isopropyl Alcohol	45	2.648	2.648	(0.635)	131113	250.000	233.114	
17 Methylene Chloride	84	2.741	2.741	(0.657)	443473	50.0000	50.9401	
18 Acetone	58	2.752	2.752	(0.660)	230935	250.000	239.426	
19 Methyl acetate	74	2.812	2.812	(0.674)	96765	50.0000	48.8295	
20 trans-1,2-Dichloroethene	61	2.828	2.828	(0.678)	512374	50.0000	49.0842	
21 Hexane	57	2.866	2.866	(0.687)	763700	50.0000	43.9469	
22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	1297117	50.0000	48.4428	

Data File: 2524070101.D
Report Date: 02-Jul-2024 13:09

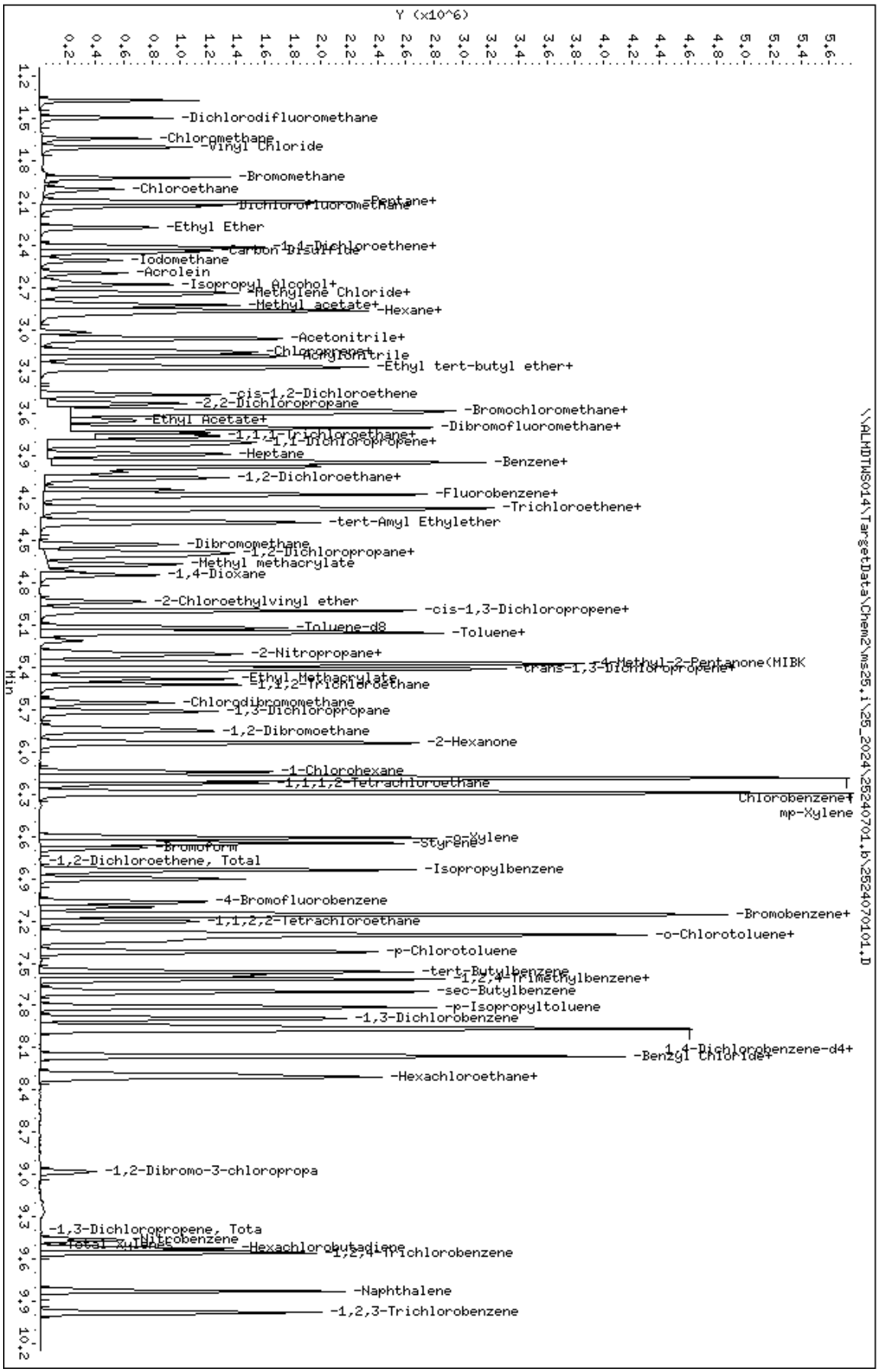
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	2.894	2.894	(0.694)	244084	250.000	253.493	
	24 Acetonitrile	41	3.019	3.019	(0.724)	274070	250.000	254.105	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	1176758	50.0000	50.7943	
	26 Chloroprene	53	3.155	3.155	(0.757)	594387	50.0000	50.6058	
	27 1,1-Dichloroethane	63	3.166	3.166	(0.759)	712581	50.0000	50.1060	
	28 Acrylonitrile	53	3.188	3.188	(0.765)	941085	250.000	254.087	
	30 n-Propanol	41	3.265	3.265	(0.783)	211976	500.000	464.439	
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	1299236	50.0000	52.8026	
	31 Vinyl acetate	86	3.275	3.275	(0.785)	118016	50.0000	48.6274	
	32 cis-1,2-Dichloroethene	61	3.461	3.461	(0.830)	532782	50.0000	50.3371	
	33 2,2-Dichloropropane	77	3.526	3.526	(0.846)	572690	50.0000	50.5257	
M	100 1,2-Dichloroethene, Total	61				1045156	100.000	99.4214	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	253971	50.0000	55.6420	
	35 Cyclohexane	84	3.586	3.586	(0.860)	591178	50.0000	46.5498	
	36 Chloroform	83	3.597	3.597	(0.863)	794398	50.0000	51.7437	
	37 Ethyl acetate	43	3.636	3.636	(0.872)	429867	50.0000	46.6912	
	38 Methyl acrylate	55	3.652	3.652	(0.876)	435632	50.0000	51.1125	
	39 Carbon Tetrachloride	117	3.696	3.696	(0.886)	509082	50.0000	45.1240(M)	MP
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	635175	250.000	243.775	
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	265889	30.0000	30.4168	
	42 1,1,1-Trichloroethane	97	3.734	3.734	(0.895)	610648	50.0000	51.1015	
	43 2-Butanone	72	3.761	3.761	(0.902)	323702	250.000	256.988(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.799	(0.911)	558714	50.0000	49.4289	
	45 1-Chlorobutane	41	3.821	3.821	(0.916)	321476	50.0000	44.2260	
	46 Heptane	71	3.887	3.887	(0.932)	305105	50.0000	46.4601	
	48 Propionitrile	54	3.941	3.941	(0.945)	357367	250.000	254.801	
	47 Benzene	78	3.941	3.941	(0.945)	1700318	50.0000	48.9404	
	49 Methacrylonitrile	67	3.952	3.952	(0.948)	220321	50.0000	52.4027	
	50 tert-amyl methyl Ether	73	3.974	3.974	(0.953)	1257656	50.0000	52.9501	
$	51 1,2-Dichloroethane-d4	65	4.018	4.018	(0.963)	272036	30.0000	29.5214(M)	MP
	54 Isobutyl alcohol	42	3.985	3.985	(0.956)	115736	500.000	540.744(M)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	549135	50.0000	50.2796	
	53 tert-Amyl Alcohol	59	4.056	4.056	(0.973)	192096	250.000	260.025	
*	55 Fluorobenzene	96	4.170	4.170	(1.000)	1107878	30.0000		
	56 Diisobutylene	57	4.176	4.176	(1.001)	960154	50.0000	44.6040	
	57 Trichloroethene	95	4.269	4.269	(1.024)	423193	50.0000	48.1289	
	58 Methyl cyclohexane	83	4.274	4.274	(0.692)	672671	50.0000	50.1523	
	59 tert-Amyl Ethylether	59	4.367	4.367	(1.047)	984311	50.0000	47.5557	
	60 Dibromomethane	93	4.525	4.525	(1.085)	294156	50.0000	52.9188	
	61 1,2-Dichloropropane	63	4.585	4.585	(1.099)	428377	50.0000	51.2305	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	551352	50.0000	47.4253	
	63 Methyl methacrylate	41	4.667	4.667	(1.119)	343242	50.0000	51.8670	
	65 2-Chloroethylvinyl ether	63	4.934	4.934	(1.183)	283323	50.0000	46.3255	
	66 cis-1,3-Dichloropropene	75	4.994	4.994	(0.809)	707043	50.0000	50.5400	
	67 Octane	85	4.994	4.994	(0.809)	265215	50.0000	52.1506	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1010369	30.0000	30.8625	
	69 Toluene	92	5.152	5.152	(0.835)	1034882	50.0000	49.8742	
	70 Chloroacetonitrile	75	5.213	5.213	(0.844)	136958	250.000	264.771	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	552052	250.000	242.671	
	72 1,1-Dichloro-2-propanone	63	5.311	5.311	(0.860)	53257	250.000	242.161	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	2094971	250.000	255.641	
	75 trans-1,3-Dichloropropene	75	5.409	5.409	(0.876)	641081	50.0000	49.4922	
	74 Tetrachloroethene	164	5.409	5.409	(0.876)	395796	50.0000	52.3835	
	76 Ethyl methacrylate	69	5.480	5.480	(0.888)	636520	50.0000	50.8882	

Data File: 2524070101.D Page 3
Report Date: 02-Jul-2024 13:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	344351	50.0000	54.0134	
	78 Chlorodibromomethane	129	5.649	5.649	(0.915)	453621	50.0000	50.1927	
	79 1,3-Dichloropropane	76	5.715	5.715	(0.926)	696458	50.0000	55.2913	
	80 1,2-Dibromoethane	107	5.829	5.829	(0.944)	434718	50.0000	51.2225	
	81 2-Hexanone	43	5.933	5.933	(0.961)	1416034	250.000	251.881	
	82 1-Chlorohexane	91	6.140	6.140	(0.995)	591342	50.0000	54.1717	
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	413498	30.0000	(M)	MP
	85 Ethylbenzene	106	6.189	6.189	(1.003)	612229	50.0000	49.5179	
	84 Chlorobenzene	112	6.184	6.184	(1.002)	1136310	50.0000	53.7376	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.222	(1.008)	399917	50.0000	50.0894	
	87 mp-Xylene	106	6.287	6.287	(1.019)	1472462	100.000	100.308	
M	120 1,3-Dichloropropene, Total	75				1348124	100.000	100.032	
	88 o-Xylene	106	6.609	6.609	(1.071)	707512	50.0000	50.2788	
	89 Styrene	104	6.648	6.648	(0.836)	1128682	50.0000	48.1234	
	90 Bromoform	173	6.680	6.680	(0.840)	304330	50.0000	45.9563	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	1597220	50.0000	48.8454	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	319856	30.0000	29.1499	
M	121 TOTAL XYLENES	106				2179974	150.000	150.587	
	94 n-Propylbenzene	120	7.155	7.155	(0.900)	495154	50.0000	51.6359	
	93 Bromobenzene	156	7.155	7.155	(0.900)	494423	50.0000	52.7234	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.204	(0.906)	502585	50.0000	53.9214	
	97 1,3,5-Trimethylbenzene	105	7.302	7.302	(0.918)	1392772	50.0000	52.1873	
	96 o-Chlorotoluene	91	7.291	7.291	(0.917)	1322501	50.0000	52.4190	
	98 1,2,3-Trichloropropane	110	7.324	7.324	(0.921)	159175	50.0000	52.9491	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.346	(0.924)	137265	50.0000	48.0035	
	101 p-Chlorotoluene	91	7.417	7.417	(0.933)	1207145	50.0000	52.8234	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	342137	50.0000	53.6021	
	103 Pentachloroethane	117	7.586	7.586	(0.954)	309034	50.0000	48.2248(M)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.613	(0.957)	1398555	50.0000	49.4878	
	105 sec-Butylbenzene	105	7.701	7.701	(0.968)	1787307	50.0000	54.1865	
	106 p-Isopropyltoluene	134	7.810	7.810	(0.982)	403922	50.0000	53.4752	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	838480	50.0000	53.0726	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	396634	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	859735	50.0000	52.2070	
	111 n-Butylbenzene	134	8.159	8.159	(1.026)	362034	50.0000	51.2886	
	110 Benzyl Chloride	126	8.159	8.159	(1.026)	185752	50.0000	47.0877	
	112 Hexachloroethane	117	8.290	8.290	(1.043)	257873	50.0000	45.5945	
	113 1,2-Dichlorobenzene	146	8.312	8.312	(1.045)	802708	50.0000	53.3387	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.983	(1.130)	80565	50.0000	45.2369	
	115 Nitrobenzene	77	9.463	9.463	(1.190)	261481	500.000	452.467	
	116 Hexachlorobutadiene	225	9.523	9.523	(1.198)	236285	50.0000	47.4708	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	545628	50.0000	54.7482	
	118 Naphthalene	128	9.829	9.829	(1.236)	1382927	50.0000	47.2260	
	119 1,2,3-Trichlorobenzene	180	9.981	9.981	(1.255)	528930	50.0000	47.2514	

QC Flag Legend

M - Compound response manually integrated.



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Client ID:
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Instrument: ms25,i
Operator: THP
Column diameter: 0.25

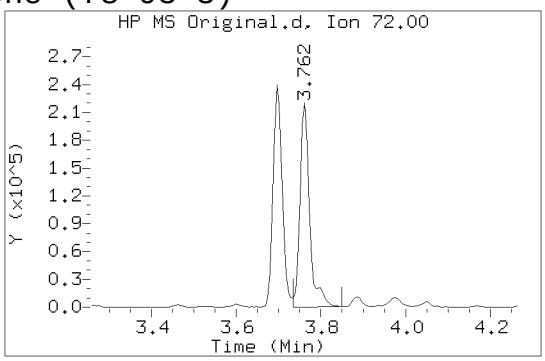
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Inj Date : 01-JUL-2024 09:22
InstruID : ms25.i
LabSampID : 1800

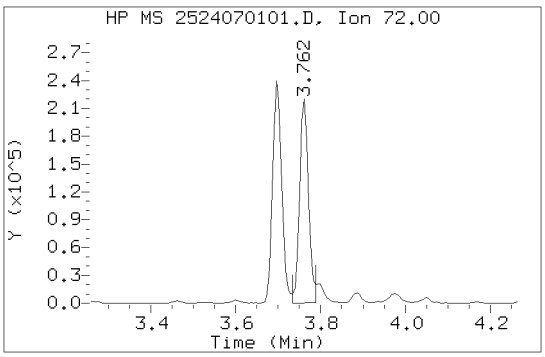
2-Butanone (78-93-3)

Reason Code: MP

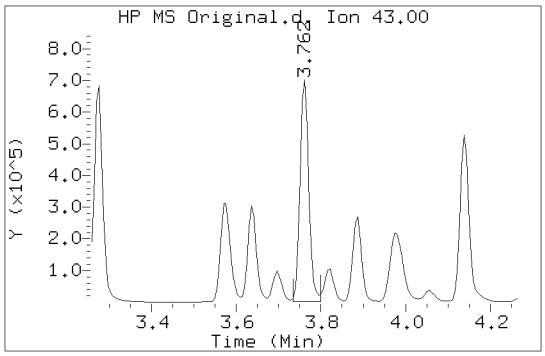
BEFORE
MASS
72
AREA
348517
HEIGHT
220224
01-Jul-2024
09:38



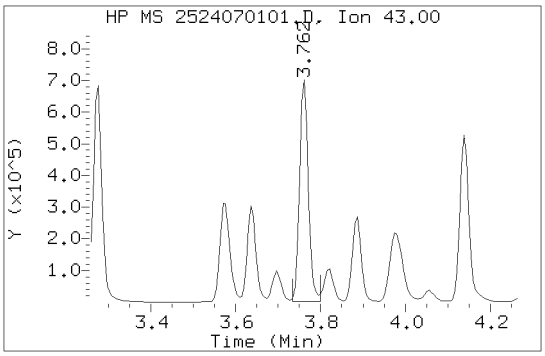
AFTER
MASS
72
AREA
323702
HEIGHT
220224
02-Jul-2024
13:09



BEFORE
MASS
43
AREA
1004987
HEIGHT
698790
01-Jul-2024
09:38



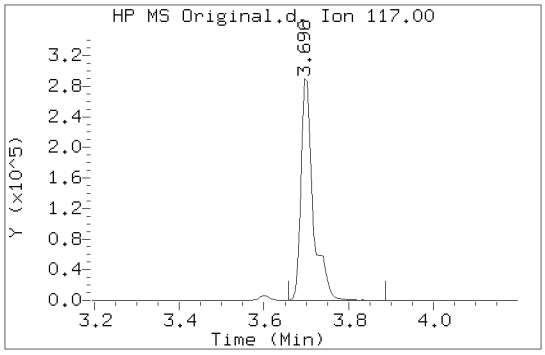
AFTER
MASS
43
AREA
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HEIGHT
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02-Jul-2024
13:09



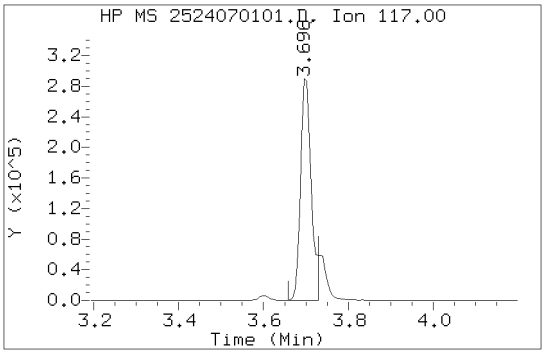
Carbon Tetrachloride (56-23-5)

Reason Code: MP

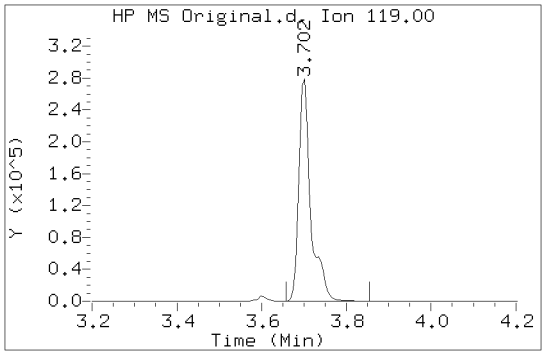
BEFORE
MASS
117
AREA
581392
HEIGHT
289792
01-Jul-2024
09:38



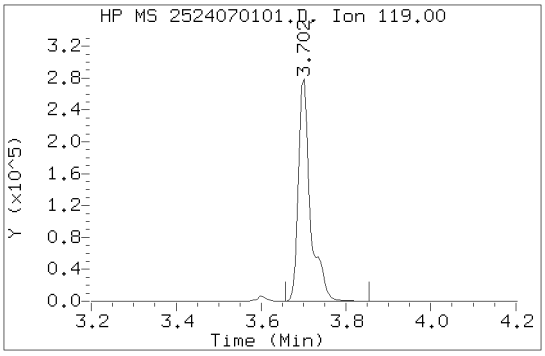
AFTER
MASS
117
AREA
509082
HEIGHT
289792
02-Jul-2024
13:09



BEFORE
MASS
119
AREA
551302
HEIGHT
278912
01-Jul-2024
09:38



AFTER
MASS
119
AREA
551302
HEIGHT
278912
02-Jul-2024
13:09



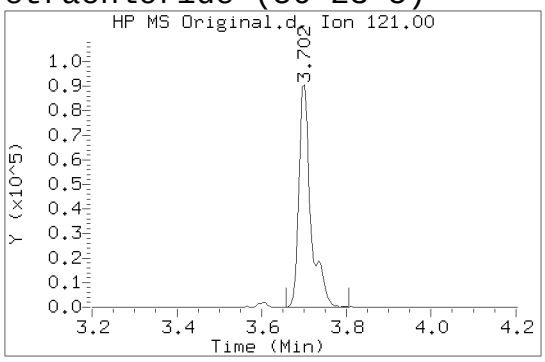
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Inj Date : 01-JUL-2024 09:22
InstruID : ms25.i
LabSampID : 1800

Carbon Tetrachloride (56-23-5)

Reason Code: MP

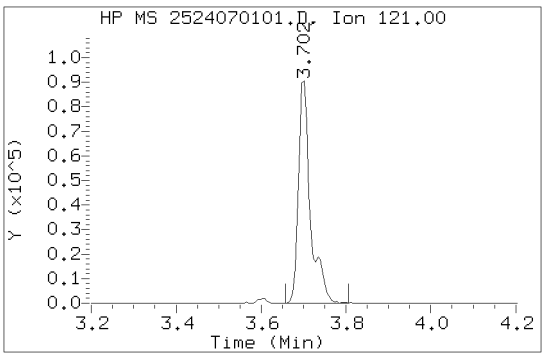
BEFORE

MASS
121
AREA
178558
HEIGHT
90560
01-Jul-2024
09:38



AFTER

MASS
121
AREA
178558
HEIGHT
90560
02-Jul-2024
13:09

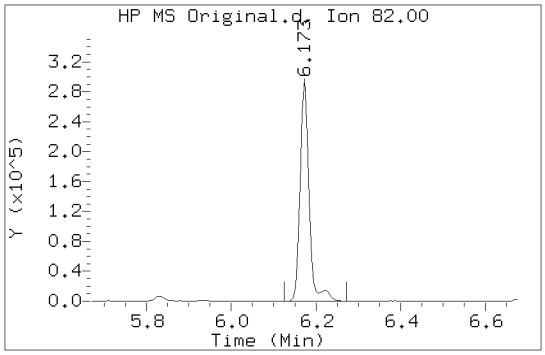


Chlorobenzene-d5 (3114-55-4)

Reason Code: MP

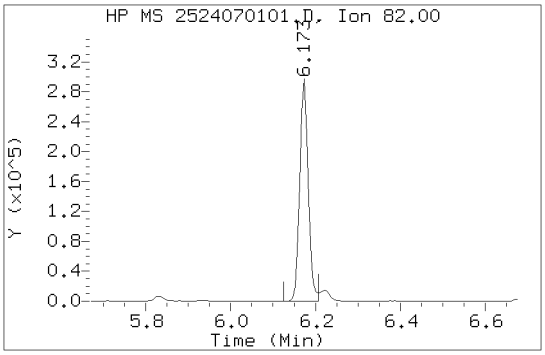
BEFORE

MASS
82
AREA
435907
HEIGHT
297280
01-Jul-2024
09:38



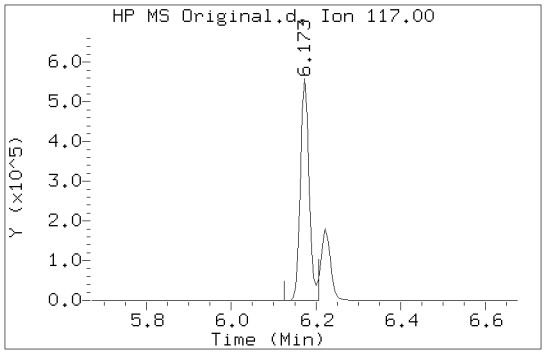
AFTER

MASS
82
AREA
413498
HEIGHT
297280
02-Jul-2024
13:09



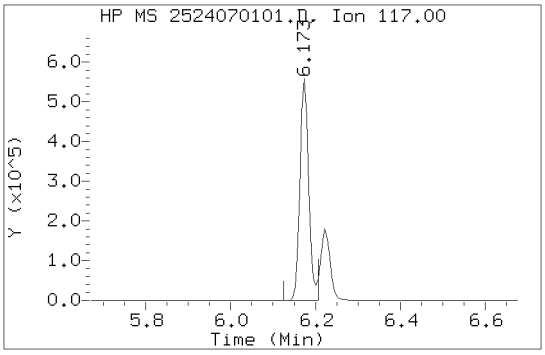
BEFORE

MASS
117
AREA
809710
HEIGHT
558464
01-Jul-2024
09:38



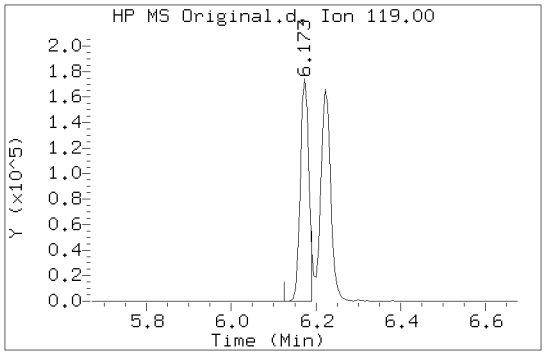
AFTER

MASS
117
AREA
809710
HEIGHT
558464
02-Jul-2024
13:09



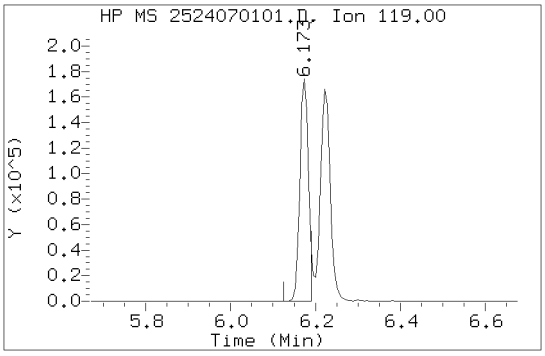
BEFORE

MASS
119
AREA
243225
HEIGHT
174208
01-Jul-2024
09:38



AFTER

MASS
119
AREA
243225
HEIGHT
174208
02-Jul-2024
13:09



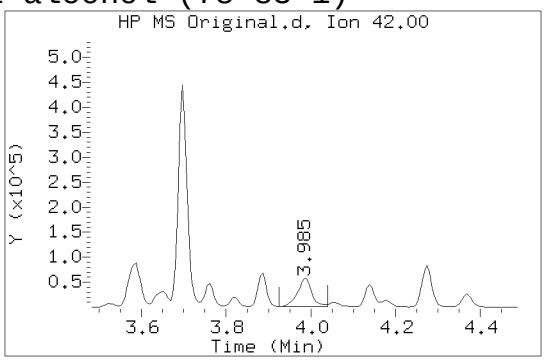
Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070101.D
Inj Date : 01-JUL-2024 09:22
InstruID : ms25.i
LabSampID : 1800

Isobutyl alcohol (78-83-1)

Reason Code: MP

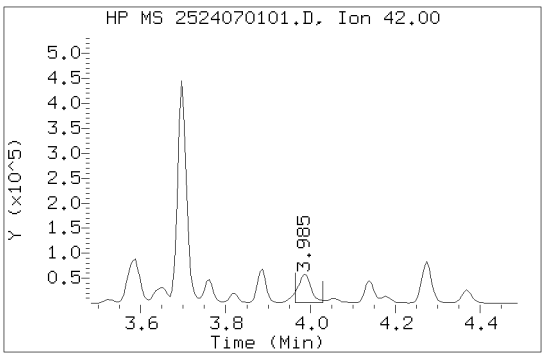
BEFORE

MASS
127
AREA
200914
HEIGHT
135360
01-Jul-2024
09:38



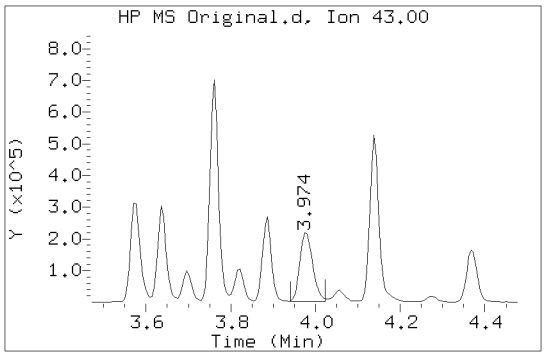
AFTER

MASS
42
AREA
115736
HEIGHT
55551
02-Jul-2024
13:09



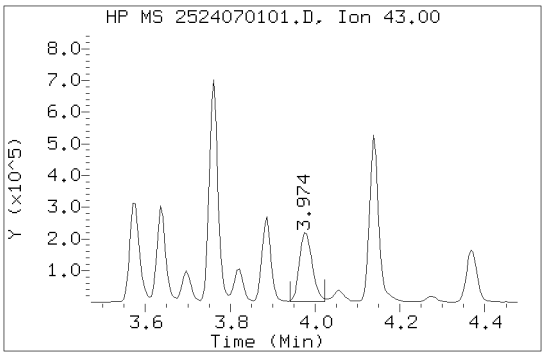
BEFORE

MASS
142
AREA
504620
HEIGHT
340864
01-Jul-2024
09:38



AFTER

MASS
43
AREA
465038
HEIGHT
217132
02-Jul-2024
13:09

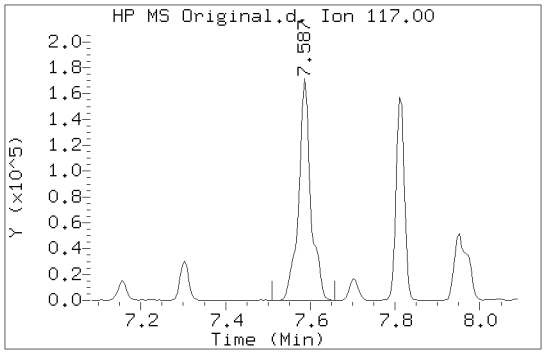


Pentachloroethane (76-01-7)

Reason Code: MP

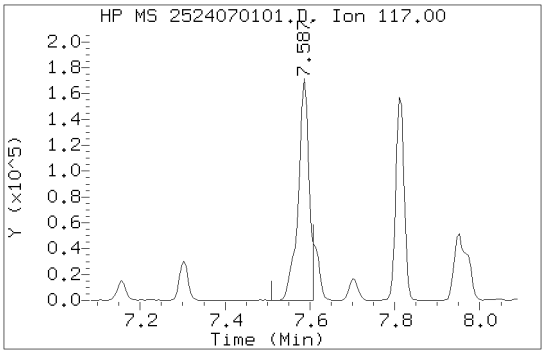
BEFORE

MASS
85
AREA
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HEIGHT
181184
01-Jul-2024
09:38



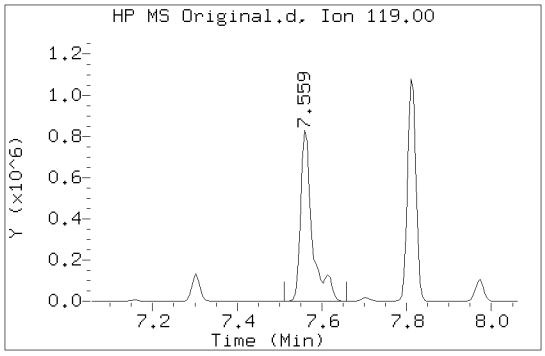
AFTER

MASS
117
AREA
309034
HEIGHT
171520
02-Jul-2024
13:09



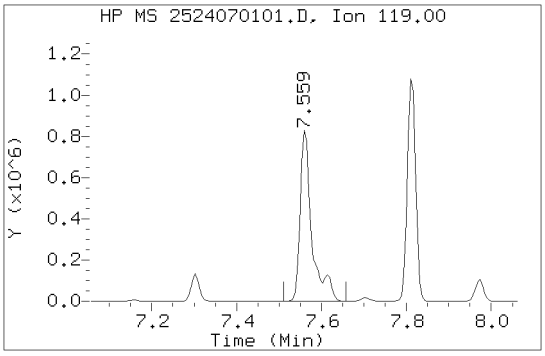
BEFORE

MASS
57
AREA
194189
HEIGHT
137544
01-Jul-2024
09:38



AFTER

MASS
119
AREA
1598443
HEIGHT
829696
02-Jul-2024
13:09



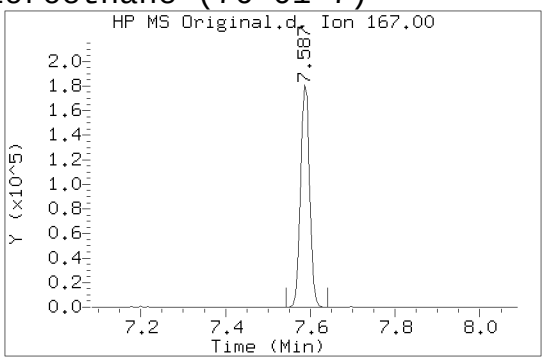
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Inj Date : 01-JUL-2024 09:22
InstruID : ms25.i
LabSampID : 1800

Pentachloroethane (76-01-7)

Reason Code: MP

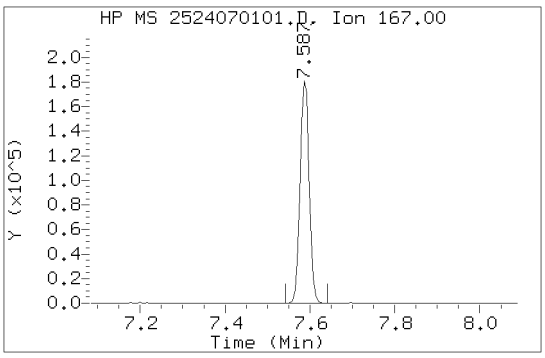
BEFORE

MASS
43
AREA
416651
HEIGHT
286597
01-Jul-2024
09:38



AFTER

MASS
167
AREA
269065
HEIGHT
180928
02-Jul-2024
13:09

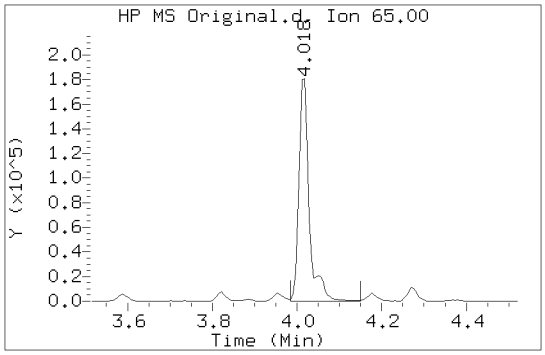


1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

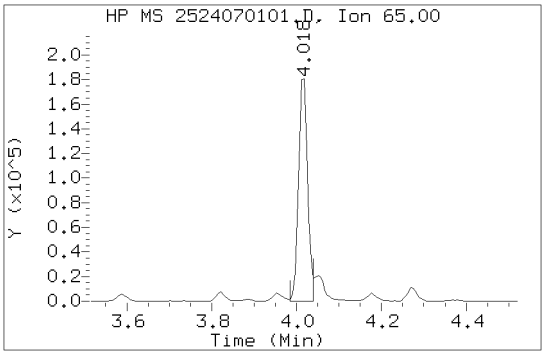
BEFORE

MASS
113
AREA
265889
HEIGHT
172032
01-Jul-2024
09:38



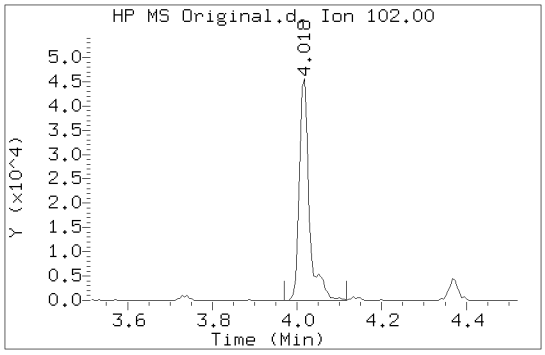
AFTER

MASS
65
AREA
272036
HEIGHT
180544
02-Jul-2024
13:09



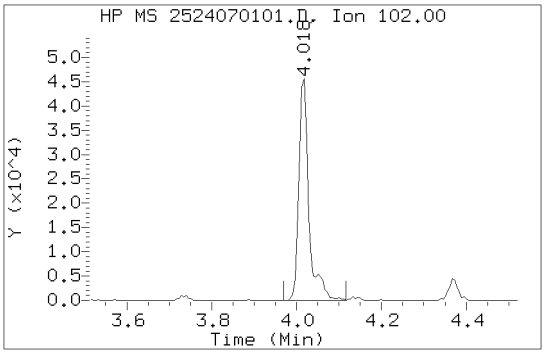
BEFORE

MASS
111
AREA
273831
HEIGHT
180096
01-Jul-2024
09:38



AFTER

MASS
102
AREA
75344
HEIGHT
45624
02-Jul-2024
13:09



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:09
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/252407010
Inj Date: 01-JUL-2024 09:22
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2524070102.D
Report Date: 02-Jul-2024 13:10

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070102.D
Lab Smp Id: 3846766 Client Smp ID: LCS for HBN 1238630
Inj Date : 01-JUL-2024 09:53
Operator : TMP Inst ID: ms25.i
Smp Info : 3846766;;1;3;;LCS;1;
Misc Info : ZZ VOMS 73674 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\25-8260b09D.m
Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	241356	19.4851	19.4851	
2 Chloromethane	50	1.644	1.644	(0.394)	206389	19.0073	19.0073	
3 Vinyl Chloride	62	1.704	1.704	(0.409)	263215	18.7973	18.7973	
4 Bromomethane	94	1.922	1.922	(0.461)	132309	19.4742	19.4742	
5 Chloroethane	64	1.999	2.004	(0.479)	182590	19.1153	19.1153	
6 Pentane	41	2.086	2.091	(0.500)	166036	18.3695	18.3695	
7 Trichlorofluoromethane	101	2.097	2.097	(0.503)	366669	19.1170	19.1170	
8 Dichlorofluoromethane	67	2.124	2.124	(0.509)	369976	20.8468	20.8468	
9 Ethyl Ether	74	2.277	2.277	(0.546)	105266	19.5050	19.5050	
10 1,1-Dichloroethene	61	2.408	2.413	(0.577)	221912	20.6060	20.6060	
12 Carbon Disulfide	76	2.446	2.446	(0.587)	482816	20.7829	20.7829	
11 Freon 113	101	2.424	2.424	(0.581)	165929	21.9058	21.9058	
13 Iodomethane	127	2.506	2.506	(0.601)	77012	18.7687	18.7687	
14 Acrolein	56	2.599	2.599	(0.623)	244252	140.611	140.611	
16 3-Chloro-1-propene	41	2.681	2.681	(0.643)	183644	19.6758	19.6758	
15 Isopropyl Alcohol	45	2.654	2.648	(0.636)	47229	81.0577	81.0577	
17 Methylene Chloride	84	2.741	2.741	(0.657)	177880	20.2210	20.2210	
18 Acetone	58	2.752	2.752	(0.660)	98026	100.579	100.579	
19 Methyl acetate	74	2.812	2.812	(0.674)	38138	18.7884	18.7884	
20 trans-1,2-Dichloroethene	61	2.828	2.828	(0.678)	211061	20.0099	20.0099	
21 Hexane	57	2.861	2.866	(0.686)	337051	19.0295	19.0295	
22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	511859	19.0592	19.0592	

Data File: 2524070102.D Page 2
Report Date: 02-Jul-2024 13:10

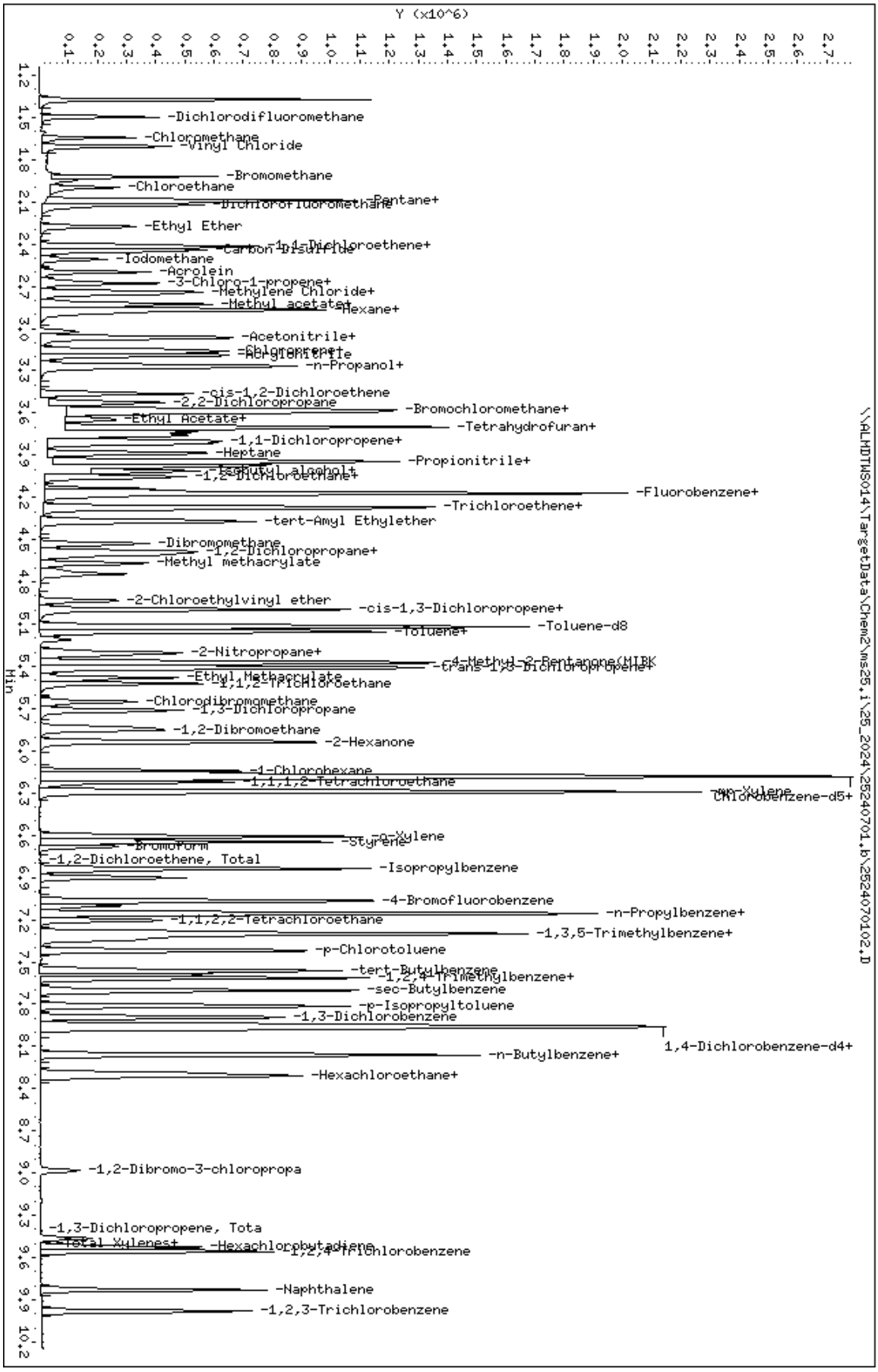
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	2.894	2.894	(0.694)	90695	93.2164	93.2164	
	24 Acetonitrile	41	3.019	3.019	(0.724)	103022	94.5288	94.5288	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	463286	19.7906	19.7906	
	26 Chloroprene	53	3.156	3.155	(0.757)	249169	20.9946	20.9946	
	27 1,1-Dichloroethane	63	3.166	3.166	(0.759)	291465	20.2826	20.2826	
	28 Acrylonitrile	53	3.188	3.188	(0.765)	350154	93.5612	93.5612	
	30 n-Propanol	41	3.265	3.265	(0.783)	83122	180.236	180.236(a)	
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	519516	20.8953	20.8953	
	31 Vinyl acetate	86	3.276	3.275	(0.785)	41206	17.0531	17.0531(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.461	(0.830)	219092	20.4856	20.4856	
	33 2,2-Dichloropropane	77	3.527	3.526	(0.846)	241995	21.1291	21.1291	
M	100 1,2-Dichloroethene, Total	61				430153	40.4955	40.4955	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	100716	21.8373	21.8373	
	35 Cyclohexane	84	3.587	3.586	(0.860)	267359	20.8342	20.8342	
	36 Chloroform	83	3.597	3.597	(0.863)	321906	20.7506	20.7506	
	37 Ethyl acetate	43	3.636	3.636	(0.872)	155714	16.6833	16.6833	
	38 Methyl acrylate	55	3.652	3.652	(0.876)	167205	19.4151	19.4151	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	204296	18.1718	18.1718(M)	MP
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	227420	86.3789	86.3789	
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	259804	29.4132	29.4132	
	42 1,1,1-Trichloroethane	97	3.734	3.734	(0.895)	261521	21.6587	21.6587	
	43 2-Butanone	72	3.761	3.761	(0.902)	124482	97.8041	97.8041(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.799	(0.911)	228658	20.0198	20.0198	
	45 1-Chlorobutane	41	3.816	3.821	(0.915)	142044	19.3390	19.3390	
	46 Heptane	71	3.887	3.887	(0.932)	138655	20.8953	20.8953	
	48 Propionitrile	54	3.941	3.941	(0.945)	133447	94.1625	94.1625	
	47 Benzene	78	3.941	3.941	(0.945)	689306	19.6351	19.6351	
	49 Methacrylonitrile	67	3.952	3.952	(0.948)	85529	20.1323	20.1323	
	50 tert-amyl methyl Ether	73	3.974	3.974	(0.953)	495449	20.6437	20.6437	
$	51 1,2-Dichloroethane-d4	65	4.012	4.018	(0.962)	265129	28.4741	28.4741(M)	MP
	54 Isobutyl alcohol	42	3.990	3.985	(0.957)	37707	177.075	177.075(QM)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	214520	19.4385	19.4385	
	53 tert-Amyl Alcohol	59	4.056	4.056	(0.973)	65695	88.0058	88.0058	
*	55 Fluorobenzene	96	4.170	4.170	(1.000)	1119462	30.0000		
	56 Diisobutylene	57	4.176	4.176	(1.001)	418157	18.3659	18.3659	
	57 Trichloroethene	95	4.269	4.269	(1.024)	178330	20.0712	20.0712	
	58 Methyl cyclohexane	83	4.274	4.274	(0.692)	289074	20.9773	20.9773	
	59 tert-Amyl Ethylether	59	4.367	4.367	(1.047)	373087	18.0023	18.0023	
	60 Dibromomethane	93	4.525	4.525	(1.085)	116478	20.7376	20.7376	
	61 1,2-Dichloropropane	63	4.585	4.585	(1.099)	170258	20.1508	20.1508	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	216500	18.6314	18.6314	
	63 Methyl methacrylate	41	4.667	4.667	(1.119)	125579	18.7798	18.7798	
	65 2-Chloroethylvinyl ether	63	4.934	4.934	(1.183)	103264	16.9465	16.9465	
	66 cis-1,3-Dichloropropene	75	4.994	4.994	(0.809)	264412	18.5750	18.5750	
	67 Octane	85	5.000	4.994	(0.810)	115158	22.0398	22.0398	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	999681	29.7211	29.7211	
	69 Toluene	92	5.153	5.152	(0.835)	417049	19.5625	19.5625	
	70 Chloroacetonitrile	75	5.213	5.213	(0.844)	47008	88.4519	88.4519	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	185433	80.5956	80.5956	
	72 1,1-Dichloro-2-propanone	63	5.316	5.311	(0.861)	18789	84.4263	84.4263(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	758989	90.7983	90.7983	
	75 trans-1,3-Dichloropropene	75	5.409	5.409	(0.876)	248664	18.8695	18.8695	
	74 Tetrachloroethene	164	5.409	5.409	(0.876)	161055	20.7467	20.7467	
	76 Ethyl methacrylate	69	5.480	5.480	(0.888)	229459	18.0601	18.0601	

Data File: 2524070102.D Page 3
Report Date: 02-Jul-2024 13:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	133922	20.4458	20.4458	
	78 Chlorodibromomethane	129	5.649	5.649	(0.915)	166115	18.1271	18.1271	
	79 1,3-Dichloropropane	76	5.715	5.715	(0.926)	270533	20.9042	20.9042	
	80 1,2-Dibromoethane	107	5.829	5.829	(0.944)	164948	19.0647	19.0647	
	81 2-Hexanone	43	5.933	5.933	(0.961)	513668	89.6495	89.6495	
	82 1-Chlorohexane	91	6.146	6.140	(0.996)	223981	19.9709	19.9709	
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	424836	30.0000		
	85 Ethylbenzene	106	6.189	6.189	(1.003)	250002	19.6000	19.6000	
	84 Chlorobenzene	112	6.189	6.184	(1.003)	450692	20.7450	20.7450	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.222	(1.008)	158849	19.5598	19.5598	
	87 mp-Xylene	106	6.288	6.287	(1.019)	595228	38.9857	38.9857	
M	120 1,3-Dichloropropene, Total	75				513076	37.4445	37.4445	
	88 o-Xylene	106	6.609	6.609	(1.071)	281956	19.5022	19.5022	
	89 Styrene	104	6.648	6.648	(0.836)	435249	19.5563	19.5563	
	90 Bromoform	173	6.680	6.680	(0.840)	107551	17.1890	17.1890	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	709420	22.7314	22.7314	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	314064	29.8918	29.8918	
M	121 TOTAL XYLENES	106				877184	58.4879	58.4879	
	94 n-Propylbenzene	120	7.155	7.155	(0.900)	199512	21.7286	21.7286	
	93 Bromobenzene	156	7.155	7.155	(0.900)	190672	21.2345	21.2345	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.204	(0.906)	186355	20.8806	20.8806	
	97 1,3,5-Trimethylbenzene	105	7.302	7.302	(0.918)	541327	21.1834	21.1834	
	96 o-Chlorotoluene	91	7.292	7.291	(0.917)	518176	21.4497	21.4497	
	98 1,2,3-Trichloropropane	110	7.324	7.324	(0.921)	58742	20.4072	20.4072	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.346	(0.924)	48365	17.8477	17.8477	
	101 p-Chlorotoluene	91	7.422	7.417	(0.933)	477630	21.8278	21.8278	
	102 tert-Butylbenzene	134	7.564	7.559	(0.951)	138057	22.5887	22.5887	
	103 Pentachloroethane	117	7.586	7.586	(0.954)	113863	18.7362	18.7362(QM)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.613	(0.957)	546946	20.1221	20.1221	
	105 sec-Butylbenzene	105	7.701	7.701	(0.968)	708235	22.4244	22.4244	
	106 p-Isopropyltoluene	134	7.810	7.810	(0.982)	156540	21.6437	21.6437	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	328235	21.6977	21.6977	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	379786	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	336776	21.3578	21.3578	
	111 n-Butylbenzene	134	8.159	8.159	(1.026)	143382	21.2137	21.2137(Q)	
	110 Benzyl Chloride	126	8.159	8.159	(1.026)	65197	17.5579	17.5579(Q)	
	112 Hexachloroethane	117	8.290	8.290	(1.043)	96065	17.9764	17.9764	
	113 1,2-Dichlorobenzene	146	8.312	8.312	(1.045)	305653	21.2112	21.2112	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.983	(1.130)	27822	16.5797	16.5797	
	115 Nitrobenzene	77	9.463	9.463	(1.190)	75474	147.545	147.545	
	116 Hexachlorobutadiene	225	9.529	9.523	(1.198)	99552	21.0286	21.0286	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	214451	22.4725	22.4725	
	118 Naphthalene	128	9.829	9.829	(1.236)	497882	17.9564	17.9564	
	119 1,2,3-Trichlorobenzene	180	9.982	9.981	(1.255)	192436	18.1348	18.1348	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



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Column phase: DB-VRX

Instrument: ms25.i
Operator: THP
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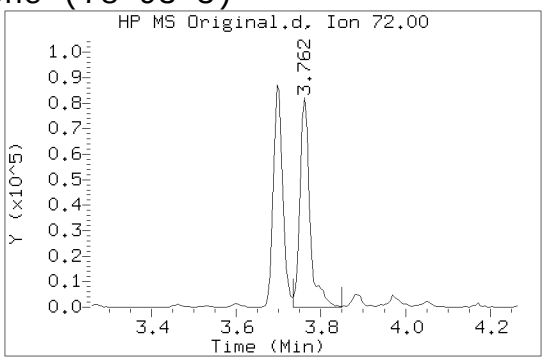
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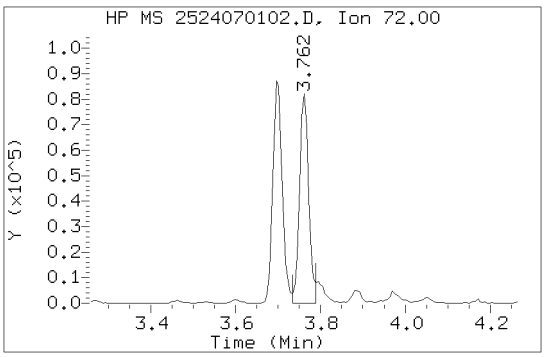
2-Butanone (78-93-3)

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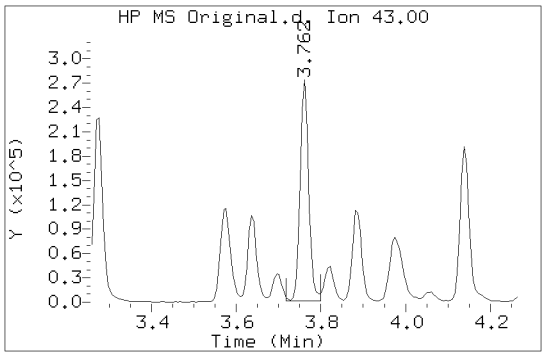
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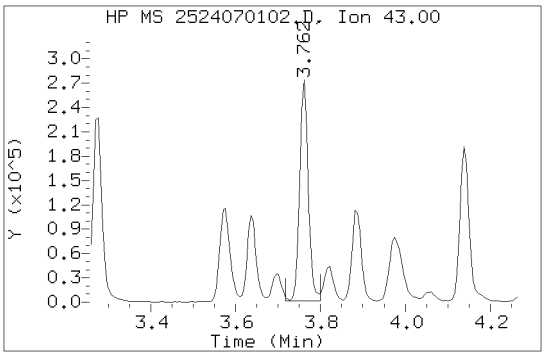
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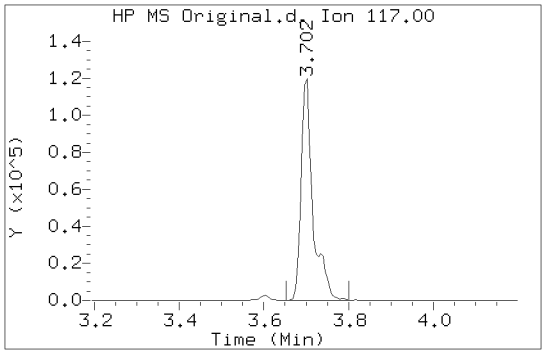
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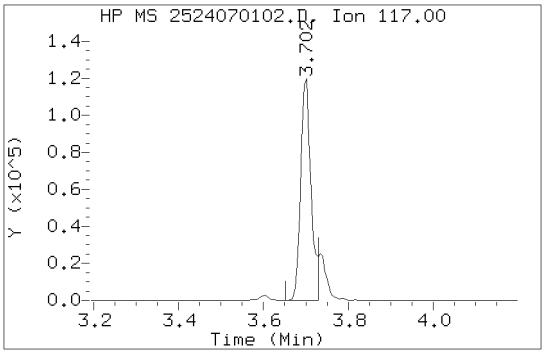
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Reason Code: MP

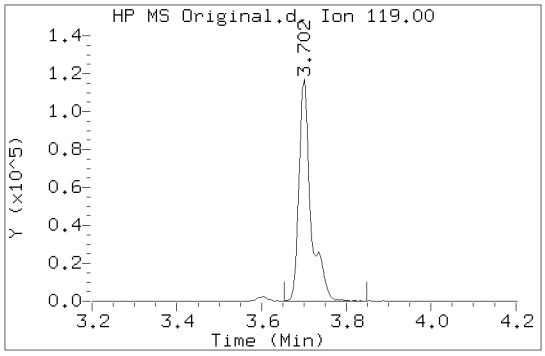
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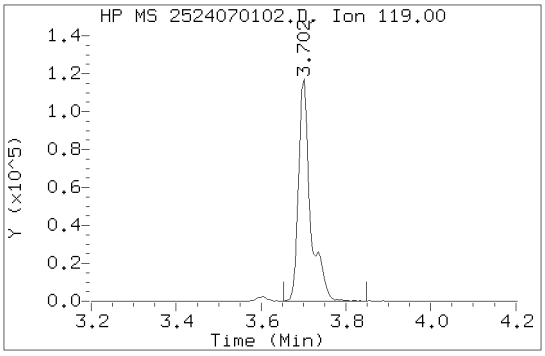
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13:10



BEFORE
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AFTER
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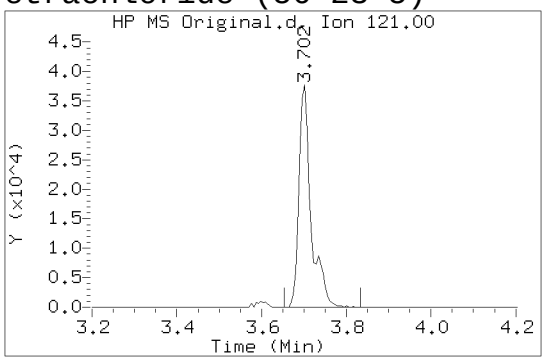
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Carbon Tetrachloride (56-23-5)

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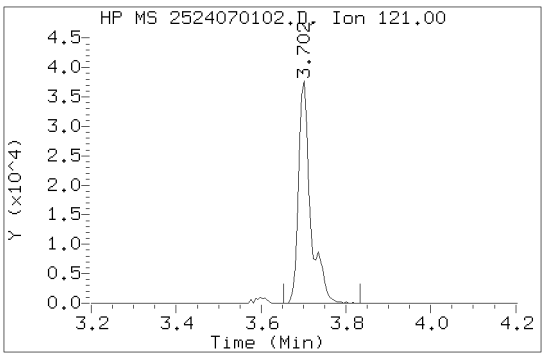
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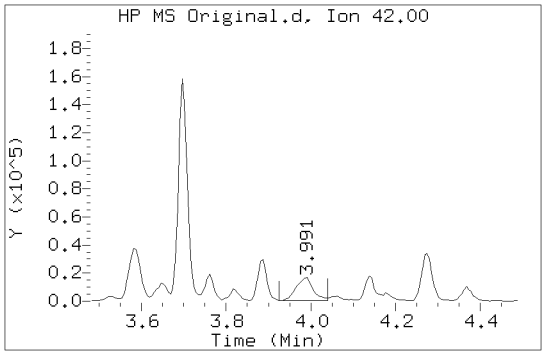


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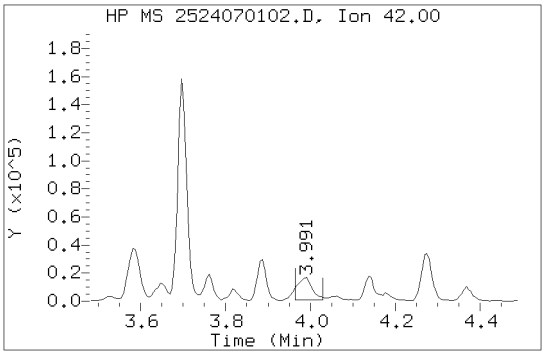
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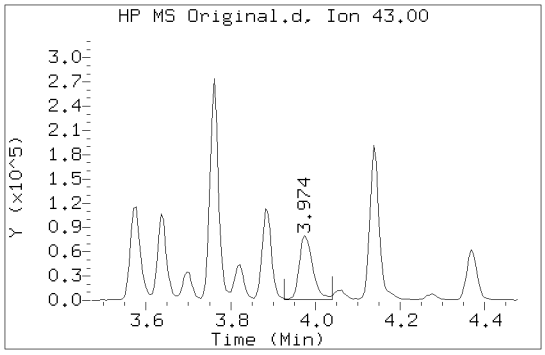
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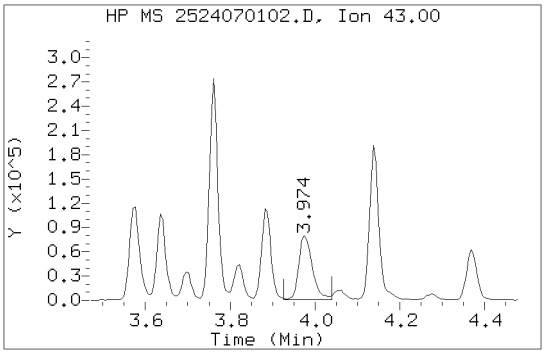
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AFTER

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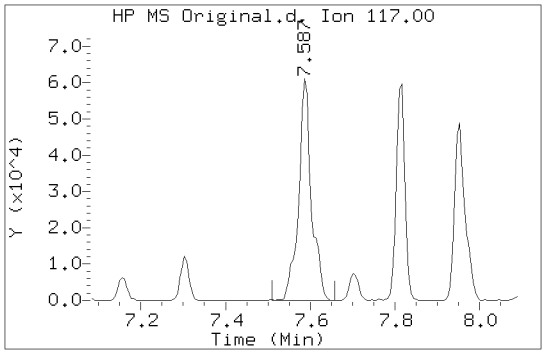


Pentachloroethane (76-01-7)

Reason Code: MP

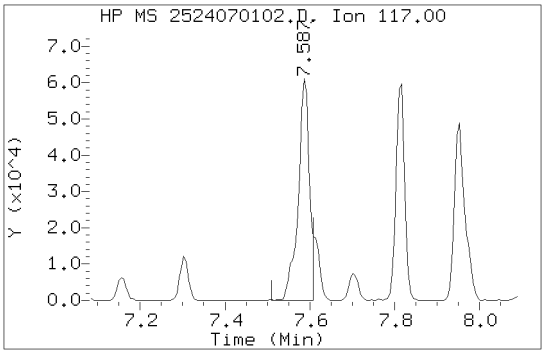
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AFTER

MASS
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02-Jul-2024
13:10



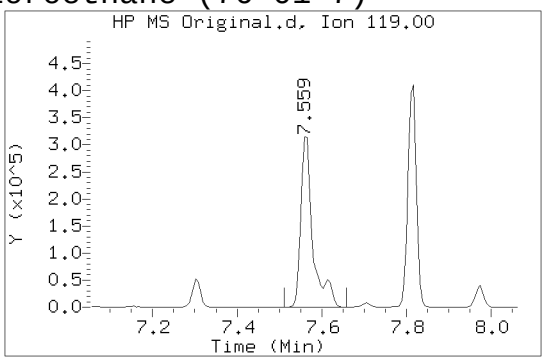
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Pentachloroethane (76-01-7)

Reason Code: MP

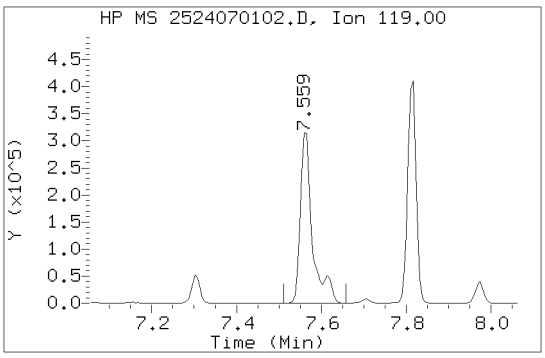
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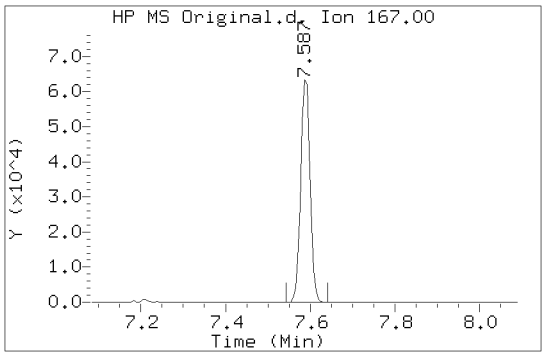
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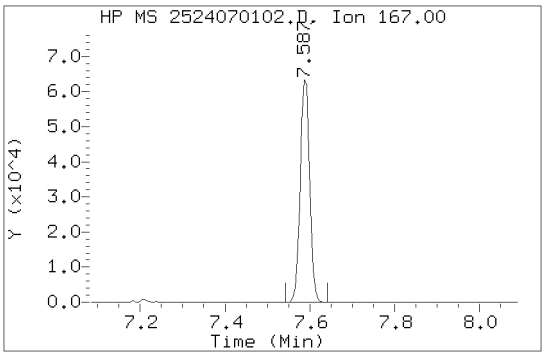
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AFTER

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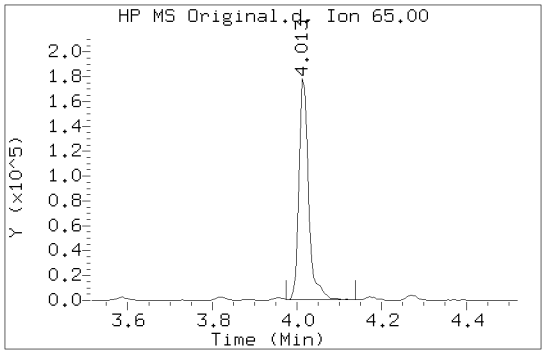


1,2-Dichloroethane-d4 (17060-07-0)

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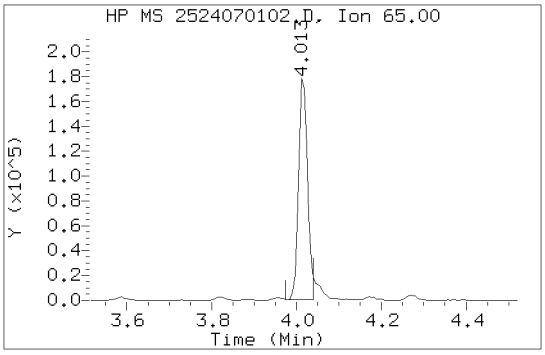
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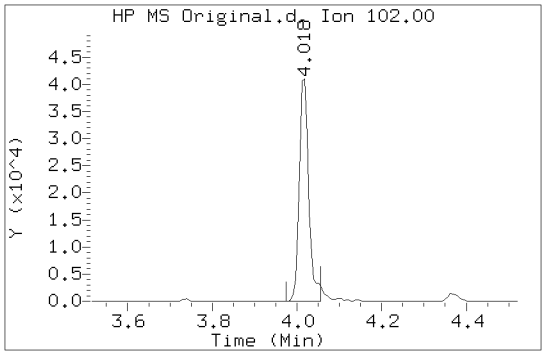
AFTER

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02-Jul-2024
13:10



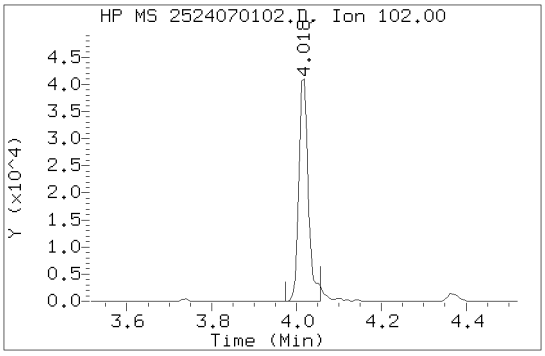
BEFORE

MASS
111
AREA
263145
HEIGHT
164672
01-Jul-2024
10:08



AFTER

MASS
102
AREA
64472
HEIGHT
41016
02-Jul-2024
13:10



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:10
Client ID: LCS for HBN 1238630
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/252407010
Inj Date: 01-JUL-2024 09:53
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2524070105.D Page 1
Report Date: 02-Jul-2024 13:11

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070105.D
Lab Smp Id: 3846765 Client Smp ID: MB for HBN 1238630
Inj Date : 01-JUL-2024 11:15
Operator : TMP Inst ID: ms25.i
Smp Info : 3846765;;1;3;;MB;;
Misc Info : ZZ VOMS 73674 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\25-8260b09D.m
Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	Compound Not Detected.						
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	Compound Not Detected.						
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2524070105.D
Report Date: 02-Jul-2024 13:11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	Compound Not Detected.						
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.701	3.707	(0.887)	265154	29.8914	29.8914	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.012	4.018	(0.962)	291443	31.1673	31.1673	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.170	4.170	(1.000)	1124234	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	Compound Not Detected.						
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.114	5.120	(0.829)	1041955	32.1126	32.1126	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2524070105.D Page 3
Report Date: 02-Jul-2024 13:11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	409825	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	300589	30.9393	30.9393	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	351184	30.0000		(Q)
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070105.D

Date : 01-JUL-2024 11:15

Client ID: MB for HBN 1238630

Instrument: ms25.i

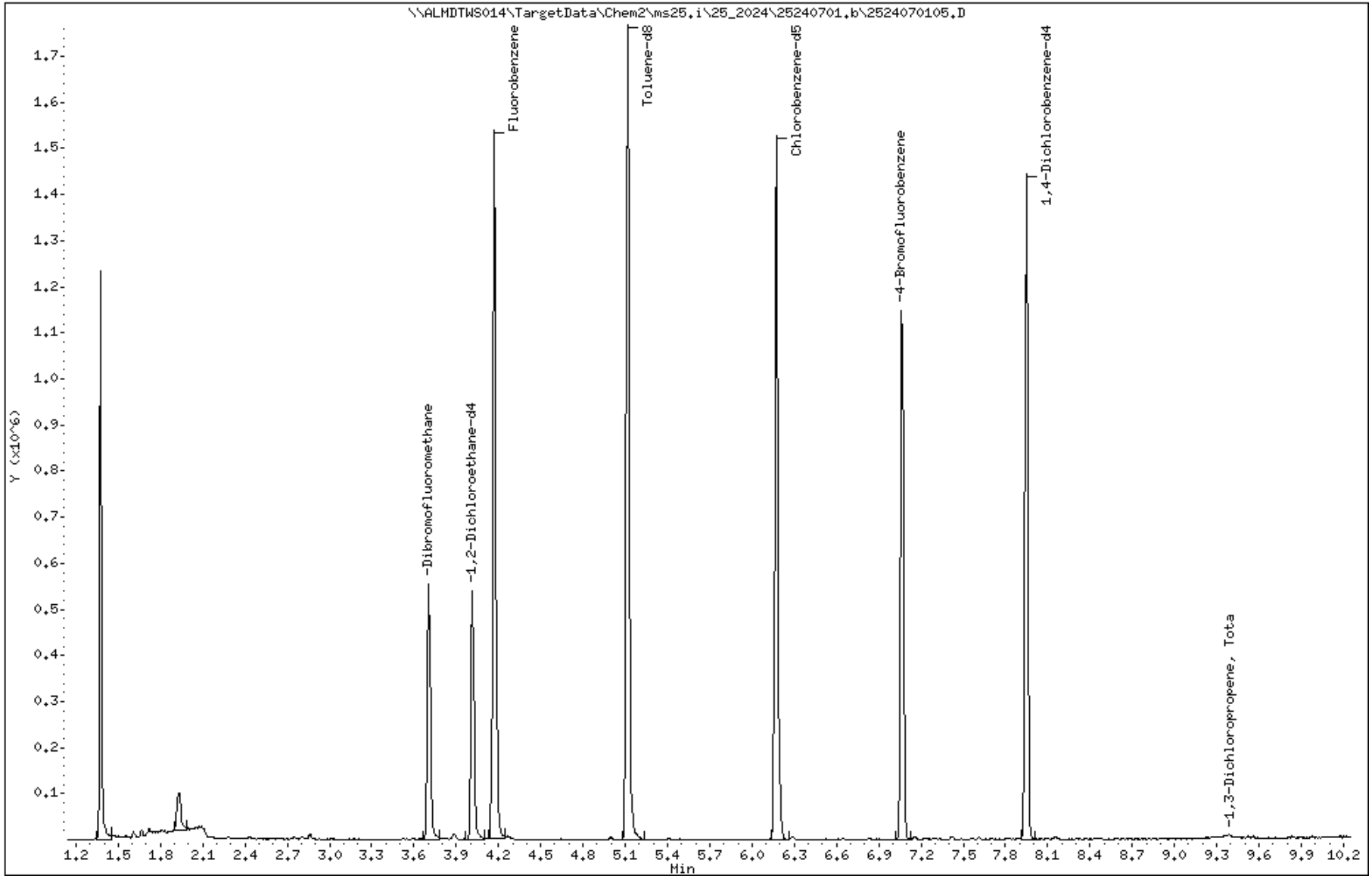
Sample Info: 3846765;;1;3;;MB;;

Purge Volume: 5.0

Operator: TMP

Column phase: DB-VRX

Column diameter: 0.25



Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070105.D
Inj Date : 01-JUL-2024 11:15
InstruID : ms25.i
LabSampID : 3846765

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:11
Client ID: MB for HBN 1238630
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/2524070105
Inj Date: 01-JUL-2024 11:15
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
1,2-Dichloroethane
Ethyl methacrylate
2-Hexanone
2-Nitropropane
1-Chlorohexane
trans-1,3-Dichloropropene
Heptane
Methacrylonitrile

Data File: 2524070107.D
Report Date: 02-Jul-2024 13:15

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070107.D
Lab Smp Id: 3366030001 Client Smp ID: 18WW19_061924
Inj Date : 01-JUL-2024 11:56
Operator : TMP Inst ID: ms25.i
Smp Info : 3366030001;;1;;;;;
Misc Info : ZZ VOMS 73674 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\25-8260b09D.m
Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1	Dichlorodifluoromethane	85	Compound Not Detected.						
2	Chloromethane	50	Compound Not Detected.						
3	Vinyl Chloride	62	Compound Not Detected.						
4	Bromomethane	94	Compound Not Detected.						
5	Chloroethane	64	Compound Not Detected.						RT
6	Pentane	41	Compound Not Detected.						
7	Trichlorofluoromethane	101	Compound Not Detected.						
8	Dichlorofluoromethane	67	Compound Not Detected.						
9	Ethyl Ether	74	Compound Not Detected.						
10	1,1-Dichloroethene	61	Compound Not Detected.						
12	Carbon Disulfide	76	Compound Not Detected.						
11	Freon 113	101	2.424	2.424	(0.581)	3537	0.46893	0.468930(a)	
13	Iodomethane	127	Compound Not Detected.						
14	Acrolein	56	Compound Not Detected.						
16	3-Chloro-1-propene	41	Compound Not Detected.						RT
15	Isopropyl Alcohol	45	Compound Not Detected.						
17	Methylene Chloride	84	Compound Not Detected.						
18	Acetone	58	Compound Not Detected.						
19	Methyl acetate	74	Compound Not Detected.						
20	trans-1,2-Dichloroethene	61	Compound Not Detected.						
21	Hexane	57	Compound Not Detected.						

Data File: 2524070107.D Page 2
Report Date: 02-Jul-2024 13:15

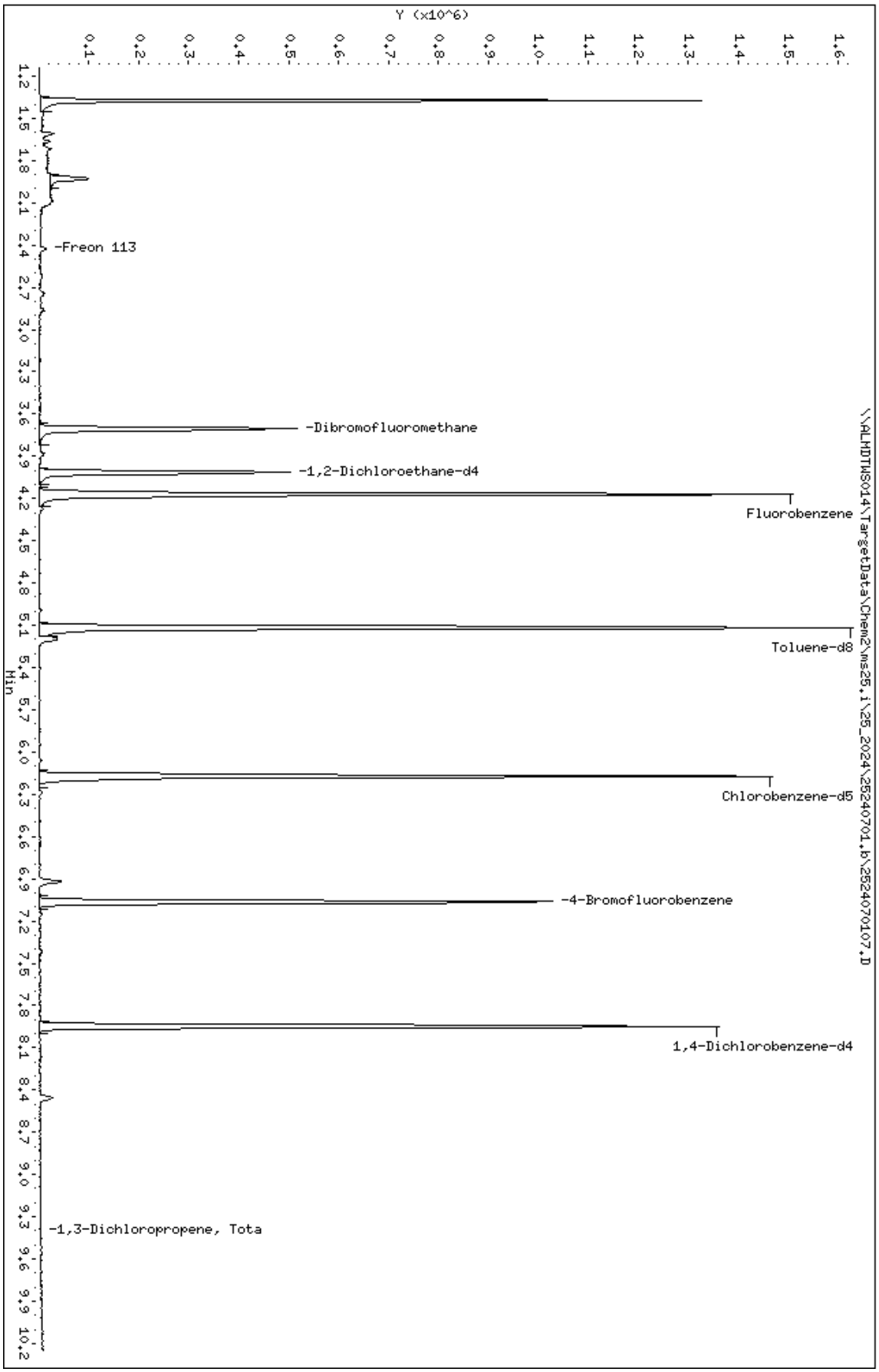
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	Compound Not Detected.						
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						RT
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	Compound Not Detected.						
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	239220	27.1975	27.1975	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						RT
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.018	4.018	(0.963)	270418	29.1652	29.1652	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						RT
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.171	4.170	(1.000)	1114739	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	Compound Not Detected.						
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						RT
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.114	5.120	(0.829)	949975	30.2391	30.2391	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						RT
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						RT
	74 Tetrachloroethene	164	Compound Not Detected.						

Data File: 2524070107.D Page 3
Report Date: 02-Jul-2024 13:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)		REVIEW CODE
	76 Ethyl methacrylate	69	Compound Not Detected.							RT
	77 1,1,2-Trichloroethane	83	Compound Not Detected.							
	78 Chlorodibromomethane	129	Compound Not Detected.							
	79 1,3-Dichloropropane	76	Compound Not Detected.							
	80 1,2-Dibromoethane	107	Compound Not Detected.							
	81 2-Hexanone	43	Compound Not Detected.							
	82 1-Chlorohexane	91	Compound Not Detected.							RT
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	396797	30.0000			
	85 Ethylbenzene	106	Compound Not Detected.							
	84 Chlorobenzene	112	Compound Not Detected.							
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.							
	87 mp-Xylene	106	Compound Not Detected.							
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.							
	88 o-Xylene	106	Compound Not Detected.							
	89 Styrene	104	Compound Not Detected.							
	90 Bromoform	173	Compound Not Detected.							
	91 Isopropylbenzene	105	Compound Not Detected.							
$	92 4-Bromofluorobenzene	174	7.062	7.068	(0.889)	268261	29.1855	29.1855		
M	121 TOTAL XYLENES	106	Compound Not Detected.							
	94 n-Propylbenzene	120	Compound Not Detected.							
	93 Bromobenzene	156	Compound Not Detected.							
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.							
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.							
	96 o-Chlorotoluene	91	Compound Not Detected.							
	98 1,2,3-Trichloropropane	110	Compound Not Detected.							
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.							
	101 p-Chlorotoluene	91	Compound Not Detected.							
	102 tert-Butylbenzene	134	Compound Not Detected.							
	103 Pentachloroethane	117	Compound Not Detected.							
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.							
	105 sec-Butylbenzene	105	Compound Not Detected.							
	106 p-Isopropyltoluene	134	Compound Not Detected.							
	107 1,3-Dichlorobenzene	146	Compound Not Detected.							
*	108 1,4-Dichlorobenzene-d4	152	7.946	7.952	(1.000)	332249	30.0000		(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.							
	111 n-Butylbenzene	134	Compound Not Detected.							
	110 Benzyl Chloride	126	Compound Not Detected.							
	112 Hexachloroethane	117	Compound Not Detected.							
	113 1,2-Dichlorobenzene	146	Compound Not Detected.							
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.							
	115 Nitrobenzene	77	Compound Not Detected.							
	116 Hexachlorobutadiene	225	Compound Not Detected.							
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.							
	118 Naphthalene	128	Compound Not Detected.							
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.							

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.


Data File: \\ALHDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070107.D
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Sample Info: 33660300001;1;;;;;
Purge Volume: 5.0
Column phase: DB-VRX
Instrument: ms25.i
Operator: TMP
Column diameter: 0.25
Page 1
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Min
\\ALHDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070107.D
-Freon 113
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8
Chlorobenzene-d5
-4-Bromofluorobenzene
1,4-Dichlorobenzene-d4
-1,3-Dichloropropene, Tota

Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070107.D Page 2

Date : 01-JUL-2024 11:56

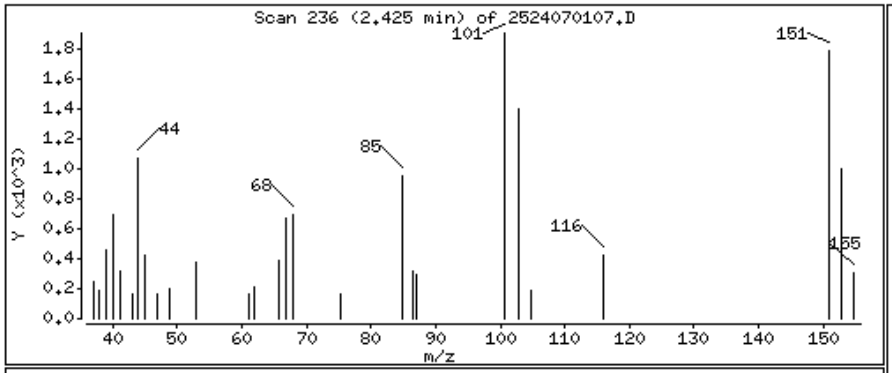
Client ID: 18WW19_061924 Instrument: ms25.i

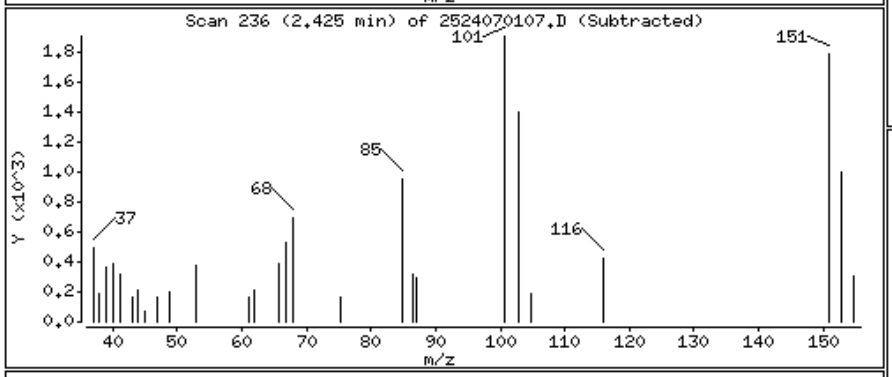
Sample Info: 3366030001;;1;;;;;

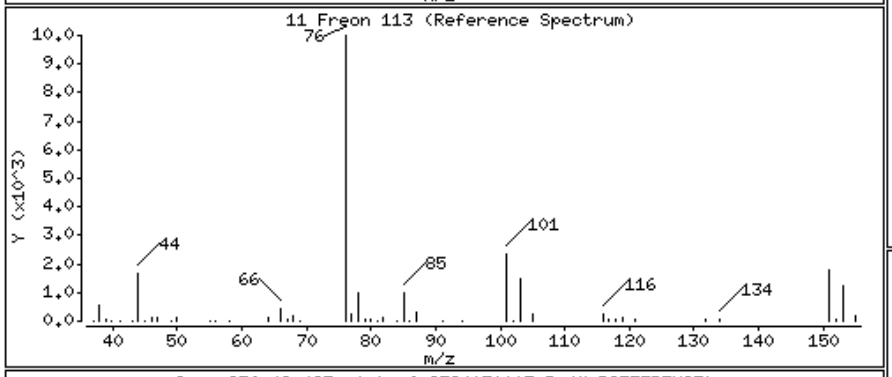
Purge Volume: 5.0 Operator: TMP

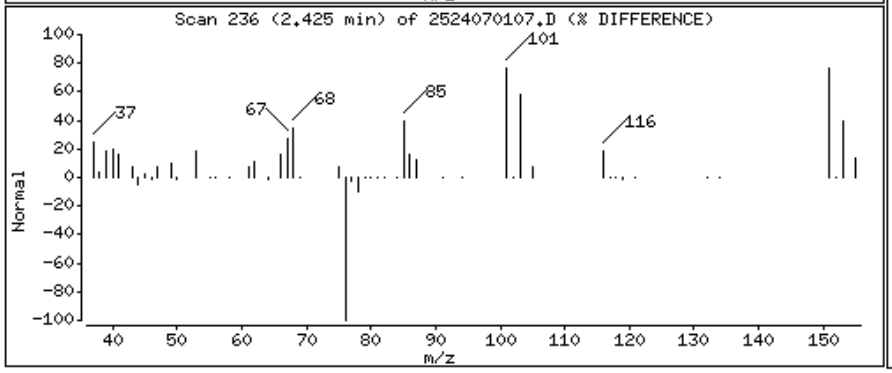
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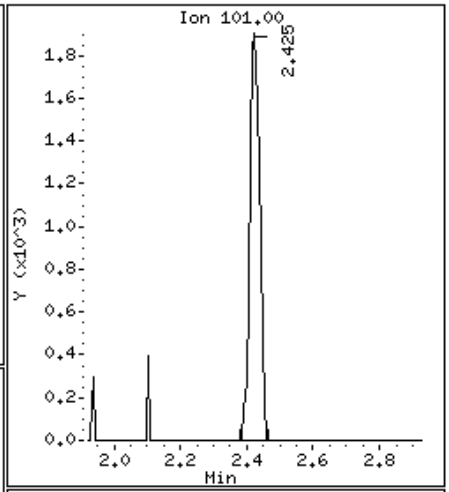
11 Freon 113 Concentration: 0.468930 ug/L

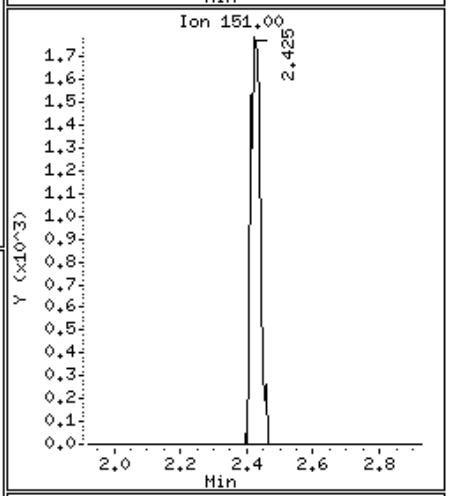


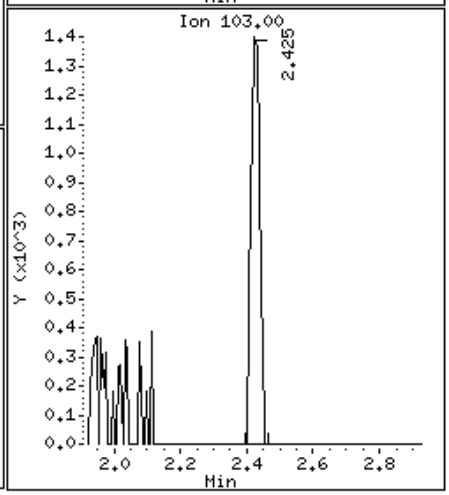












Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070107.D
Inj Date : 01-JUL-2024 11:56
InstruID : ms25.i
LabSampID : 3366030001

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:15
Client ID: 18WW19_061924
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/252407010
Inj Date: 01-JUL-2024 11:56
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
1-Chlorohexane
1,2-Dichloroethane
trans-1,3-Dichloropropene
Heptane
Chloroethane
3-Chloro-1-propene
cis-1,3-Dichloropropene
Ethyl methacrylate
2-Nitropropane

Data File: 2524070108.D Page 1
Report Date: 02-Jul-2024 13:15

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070108.D
Lab Smp Id: 3366030002 Client Smp ID: 18WW20_061924
Inj Date : 01-JUL-2024 12:16
Operator : TMP Inst ID: ms25.i
Smp Info : 3366030002;;1;;;;;
Misc Info : ZZ VOMS 73674 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\25-8260b09D.m
Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						RT
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	Compound Not Detected.						
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	Compound Not Detected.						
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						

Data File: 2524070108.D Page 2
Report Date: 02-Jul-2024 13:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	Compound Not Detected.						
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						RT
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	Compound Not Detected.						
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.701	3.707	(0.887)	260916	30.0426	30.0426	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						RT
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.018	4.018	(0.963)	300380	32.8099	32.8099	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						RT
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.170	4.170	(1.000)	1100698	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	Compound Not Detected.						
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1061847	33.8941	33.8941(R)	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						RT
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						RT
	74 Tetrachloroethene	164	Compound Not Detected.						

Data File: 2524070108.D Page 3
Report Date: 02-Jul-2024 13:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)		REVIEW CODE
	76 Ethyl methacrylate	69	Compound Not Detected.							RT
	77 1,1,2-Trichloroethane	83	Compound Not Detected.							
	78 Chlorodibromomethane	129	Compound Not Detected.							
	79 1,3-Dichloropropane	76	Compound Not Detected.							
	80 1,2-Dibromoethane	107	Compound Not Detected.							
	81 2-Hexanone	43	Compound Not Detected.							RT
	82 1-Chlorohexane	91	Compound Not Detected.							RT
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	395697	30.0000			
	85 Ethylbenzene	106	Compound Not Detected.							
	84 Chlorobenzene	112	Compound Not Detected.							
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.							
	87 mp-Xylene	106	Compound Not Detected.							
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.							
	88 o-Xylene	106	Compound Not Detected.							
	89 Styrene	104	Compound Not Detected.							
	90 Bromoform	173	Compound Not Detected.							
	91 Isopropylbenzene	105	Compound Not Detected.							
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	300332	32.8429	32.8429		
M	121 TOTAL XYLENES	106	Compound Not Detected.							
	94 n-Propylbenzene	120	Compound Not Detected.							
	93 Bromobenzene	156	Compound Not Detected.							
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.							
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.							
	96 o-Chlorotoluene	91	Compound Not Detected.							
	98 1,2,3-Trichloropropane	110	Compound Not Detected.							
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.							
	101 p-Chlorotoluene	91	Compound Not Detected.							
	102 tert-Butylbenzene	134	Compound Not Detected.							
	103 Pentachloroethane	117	Compound Not Detected.							
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.							
	105 sec-Butylbenzene	105	Compound Not Detected.							
	106 p-Isopropyltoluene	134	Compound Not Detected.							
	107 1,3-Dichlorobenzene	146	Compound Not Detected.							
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	330547	30.0000		(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.							
	111 n-Butylbenzene	134	Compound Not Detected.							
	110 Benzyl Chloride	126	Compound Not Detected.							
	112 Hexachloroethane	117	Compound Not Detected.							
	113 1,2-Dichlorobenzene	146	Compound Not Detected.							
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.							
	115 Nitrobenzene	77	Compound Not Detected.							
	116 Hexachlorobutadiene	225	Compound Not Detected.							
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.							
	118 Naphthalene	128	Compound Not Detected.							
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.							

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070108.D

Date : 01-JUL-2024 12:16

Client ID: 18WW20_061924

Instrument: ms25.i

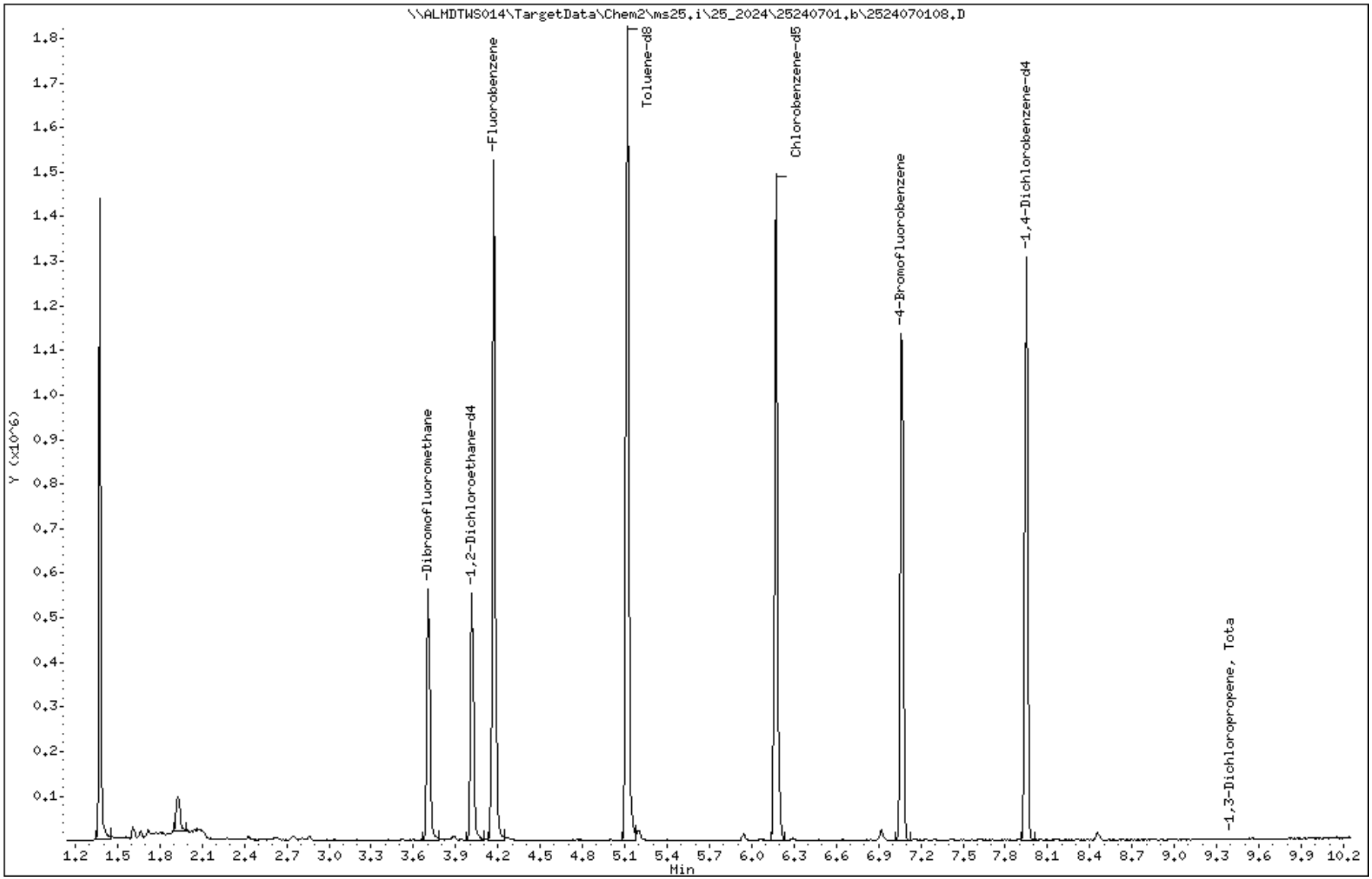
Sample Info: 3366030002;;1;;;;;

Purge Volume: 5.0

Operator: TMP

Column phase: DB-VRX

Column diameter: 0.25



Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070108.D
Inj Date : 01-JUL-2024 12:16
InstruID : ms25.i
LabSampID : 3366030002

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:15
Client ID: 18WW20_061924
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/2524070108
Inj Date: 01-JUL-2024 12:16
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
1-Chlorohexane
trans-1,3-Dichloropropene
2-Hexanone
2-Nitropropane
Chloroethane
1,2-Dichloroethane
Ethyl methacrylate
Methacrylonitrile

Data File: 2524070109.D
Report Date: 02-Jul-2024 13:16

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070109.D
Lab Smp Id: 3366030003 Client Smp ID: 18WW25_061924
Inj Date : 01-JUL-2024 12:36
Operator : TMP Inst ID: ms25.i
Smp Info : 3366030003;;1;;;;;
Misc Info : ZZ VOMS 73674 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\25-8260b09D.m
Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						RT
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	Compound Not Detected.						
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	Compound Not Detected.						
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						RT
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						

Data File: 2524070109.D
Report Date: 02-Jul-2024 13:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	Compound Not Detected.						
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						RT
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	Compound Not Detected.						
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	236948	27.9235	27.9235	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.012	4.018	(0.962)	265308	29.6596	29.6596	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						RT
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.170	4.170	(1.000)	1075444	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	Compound Not Detected.						
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.120	5.120	(0.829)	923001	29.5467	29.5467	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						RT
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						

Data File: 2524070109.D Page 3
Report Date: 02-Jul-2024 13:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)		REVIEW CODE
76	Ethyl methacrylate	69	Compound Not Detected.							RT
77	1,1,2-Trichloroethane	83	Compound Not Detected.							
78	Chlorodibromomethane	129	Compound Not Detected.							
79	1,3-Dichloropropane	76	Compound Not Detected.							
80	1,2-Dibromoethane	107	Compound Not Detected.							
81	2-Hexanone	43	Compound Not Detected.							
82	1-Chlorohexane	91	Compound Not Detected.							RT
* 83	Chlorobenzene-d5	82	6.173	6.173	(1.000)	394564	30.0000			
85	Ethylbenzene	106	Compound Not Detected.							
84	Chlorobenzene	112	Compound Not Detected.							
86	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.							
87	mp-Xylene	106	Compound Not Detected.							
M 120	1,3-Dichloropropene, Total	75	Compound Not Detected.							
88	o-Xylene	106	Compound Not Detected.							
89	Styrene	104	Compound Not Detected.							
90	Bromoform	173	Compound Not Detected.							
91	Isopropylbenzene	105	Compound Not Detected.							
$ 92	4-Bromofluorobenzene	174	7.068	7.068	(0.889)	255787	27.6420	27.6420		
M 121	TOTAL XYLENES	106	Compound Not Detected.							
94	n-Propylbenzene	120	Compound Not Detected.							
93	Bromobenzene	156	Compound Not Detected.							
95	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.							
97	1,3,5-Trimethylbenzene	105	Compound Not Detected.							
96	o-Chlorotoluene	91	Compound Not Detected.							
98	1,2,3-Trichloropropane	110	Compound Not Detected.							
99	trans-1,4-Dichloro-2-butene	53	Compound Not Detected.							
101	p-Chlorotoluene	91	Compound Not Detected.							
102	tert-Butylbenzene	134	Compound Not Detected.							
103	Pentachloroethane	117	Compound Not Detected.							
104	1,2,4-Trimethylbenzene	105	Compound Not Detected.							
105	sec-Butylbenzene	105	Compound Not Detected.							
106	p-Isopropyltoluene	134	Compound Not Detected.							
107	1,3-Dichlorobenzene	146	Compound Not Detected.							
* 108	1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	334489	30.0000		(Q)	
109	1,4-Dichlorobenzene	146	Compound Not Detected.							
111	n-Butylbenzene	134	Compound Not Detected.							
110	Benzyl Chloride	126	Compound Not Detected.							
112	Hexachloroethane	117	Compound Not Detected.							
113	1,2-Dichlorobenzene	146	Compound Not Detected.							
114	1,2-Dibromo-3-chloropropane	75	Compound Not Detected.							
115	Nitrobenzene	77	Compound Not Detected.							
116	Hexachlorobutadiene	225	Compound Not Detected.							
117	1,2,4-Trichlorobenzene	180	Compound Not Detected.							
118	Naphthalene	128	Compound Not Detected.							
119	1,2,3-Trichlorobenzene	180	Compound Not Detected.							

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070109.D

Date : 01-JUL-2024 12:36

Client ID: 18WW25_061924

Instrument: ms25.i

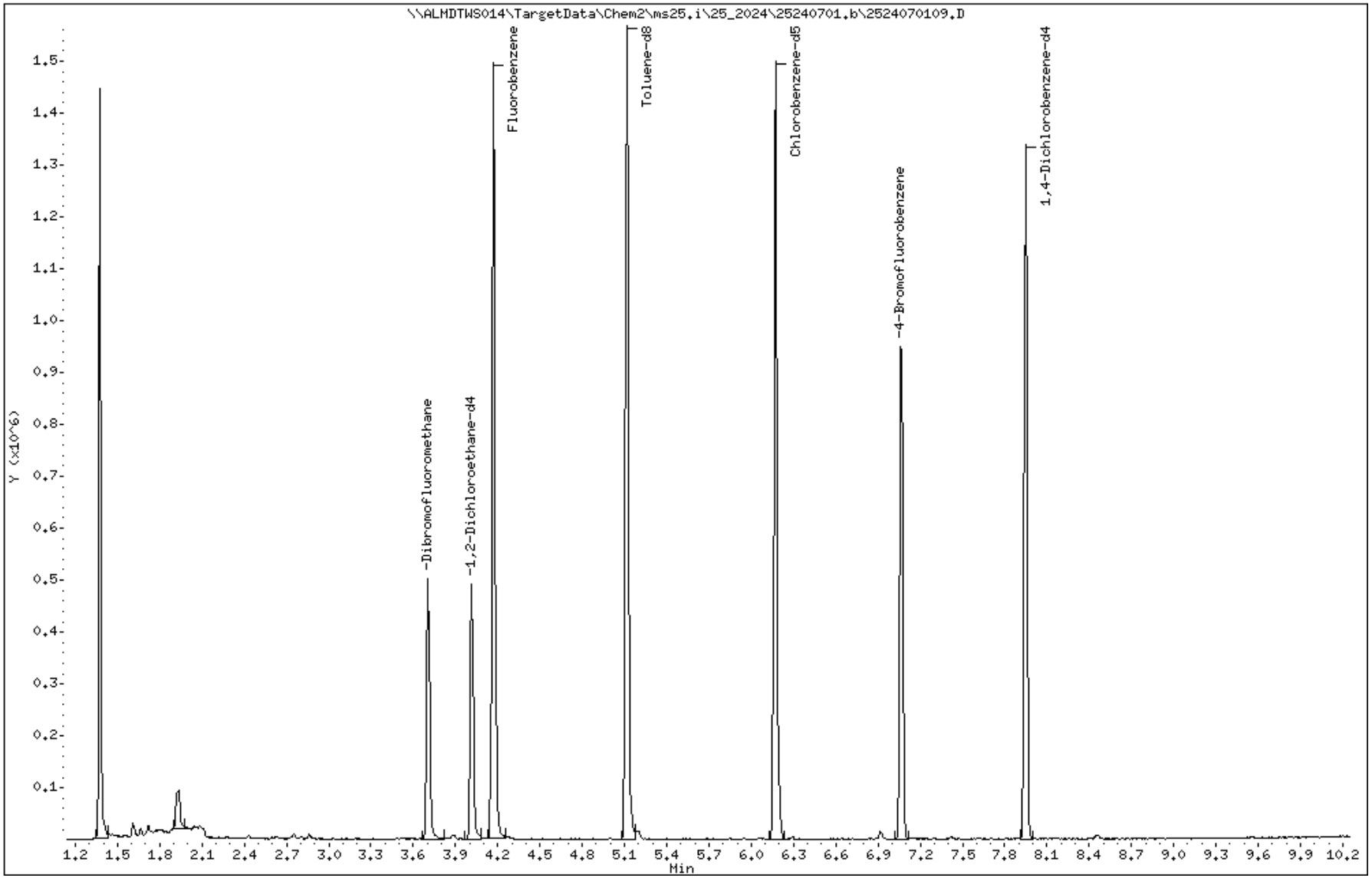
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Purge Volume: 5.0

Operator: TMP

Column phase: DB-VRX

Column diameter: 0.25



Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070109.D
Inj Date : 01-JUL-2024 12:36
InstruID : ms25.i
LabSampID : 3366030003

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:16
Client ID: 18WW25_061924
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/2524070109
Inj Date: 01-JUL-2024 12:36
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
1-Chlorohexane
1,2-Dichloroethane
2-Nitropropane
Chloroethane
3-Chloro-1-propene
Ethyl methacrylate

Data File: 2524070110.D Page 1
Report Date: 02-Jul-2024 13:16

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070110.D
Lab Smp Id: 3366030004 Client Smp ID: 125_061924
Inj Date : 01-JUL-2024 12:57
Operator : TMP Inst ID: ms25.i
Smp Info : 3366030004;;1;;;;;
Misc Info : ZZ VOMS 73674 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\25-8260b09D.m
Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						RT
8 Dichlorofluoromethane	67	Compound Not Detected.						RT
9 Ethyl Ether	74	Compound Not Detected.						RT
10 1,1-Dichloroethene	61	2.424	2.413	(0.581)	98731	9.87298	9.87298(Q)	
12 Carbon Disulfide	76	Compound Not Detected.						RT
11 Freon 113	101	2.414	2.424	(0.579)	21522743	3059.96	3059.96(AQ)	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						RT
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						RT
18 Acetone	58	Compound Not Detected.						RT
19 Methyl acetate	74	Compound Not Detected.						IBDL
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						IBDL
21 Hexane	57	Compound Not Detected.						

Data File: 2524070110.D Page 2
Report Date: 02-Jul-2024 13:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	Compound Not Detected.						
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						RT
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.456	3.461	(0.829)	3764	0.37901	0.379011(a)	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	3.636	3.636	(0.872)	19224	2.14376	2.14376	
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	230815	28.1411	28.1411	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						RT
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.012	4.018	(0.962)	253351	29.3019	29.3019	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						RT
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.170	4.170	(1.000)	1039509	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.269	4.269	(1.024)	12119	1.46892	1.46892	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.120	5.120	(0.829)	915873	30.1081	30.1081	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						RT
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						

Data File: 2524070110.D Page 3
Report Date: 02-Jul-2024 13:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)		REVIEW CODE
	76 Ethyl methacrylate	69	Compound Not Detected.							
	77 1,1,2-Trichloroethane	83	Compound Not Detected.							
	78 Chlorodibromomethane	129	Compound Not Detected.							
	79 1,3-Dichloropropane	76	Compound Not Detected.							
	80 1,2-Dibromoethane	107	Compound Not Detected.							
	81 2-Hexanone	43	Compound Not Detected.							RT
	82 1-Chlorohexane	91	Compound Not Detected.							
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	384217	30.0000			
	85 Ethylbenzene	106	Compound Not Detected.							
	84 Chlorobenzene	112	Compound Not Detected.							
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.							
	87 mp-Xylene	106	Compound Not Detected.							
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.							
	88 o-Xylene	106	Compound Not Detected.							
	89 Styrene	104	Compound Not Detected.							
	90 Bromoform	173	Compound Not Detected.							
	91 Isopropylbenzene	105	Compound Not Detected.							
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	281235	32.0610	32.0610		
M	121 TOTAL XYLENES	106	Compound Not Detected.							
	94 n-Propylbenzene	120	Compound Not Detected.							
	93 Bromobenzene	156	Compound Not Detected.							
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.							
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.							
	96 o-Chlorotoluene	91	Compound Not Detected.							
	98 1,2,3-Trichloropropane	110	Compound Not Detected.							
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.							
	101 p-Chlorotoluene	91	Compound Not Detected.							
	102 tert-Butylbenzene	134	Compound Not Detected.							
	103 Pentachloroethane	117	Compound Not Detected.							
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.							
	105 sec-Butylbenzene	105	Compound Not Detected.							
	106 p-Isopropyltoluene	134	Compound Not Detected.							
	107 1,3-Dichlorobenzene	146	Compound Not Detected.							
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	317077	30.0000		(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.							
	111 n-Butylbenzene	134	Compound Not Detected.							
	110 Benzyl Chloride	126	Compound Not Detected.							
	112 Hexachloroethane	117	Compound Not Detected.							
	113 1,2-Dichlorobenzene	146	Compound Not Detected.							
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.							
	115 Nitrobenzene	77	Compound Not Detected.							
	116 Hexachlorobutadiene	225	Compound Not Detected.							
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.							
	118 Naphthalene	128	Compound Not Detected.							
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.							

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070110.D

Date : 01-JUL-2024 12:57

Client ID: 125_061924

Instrument: ms25.i

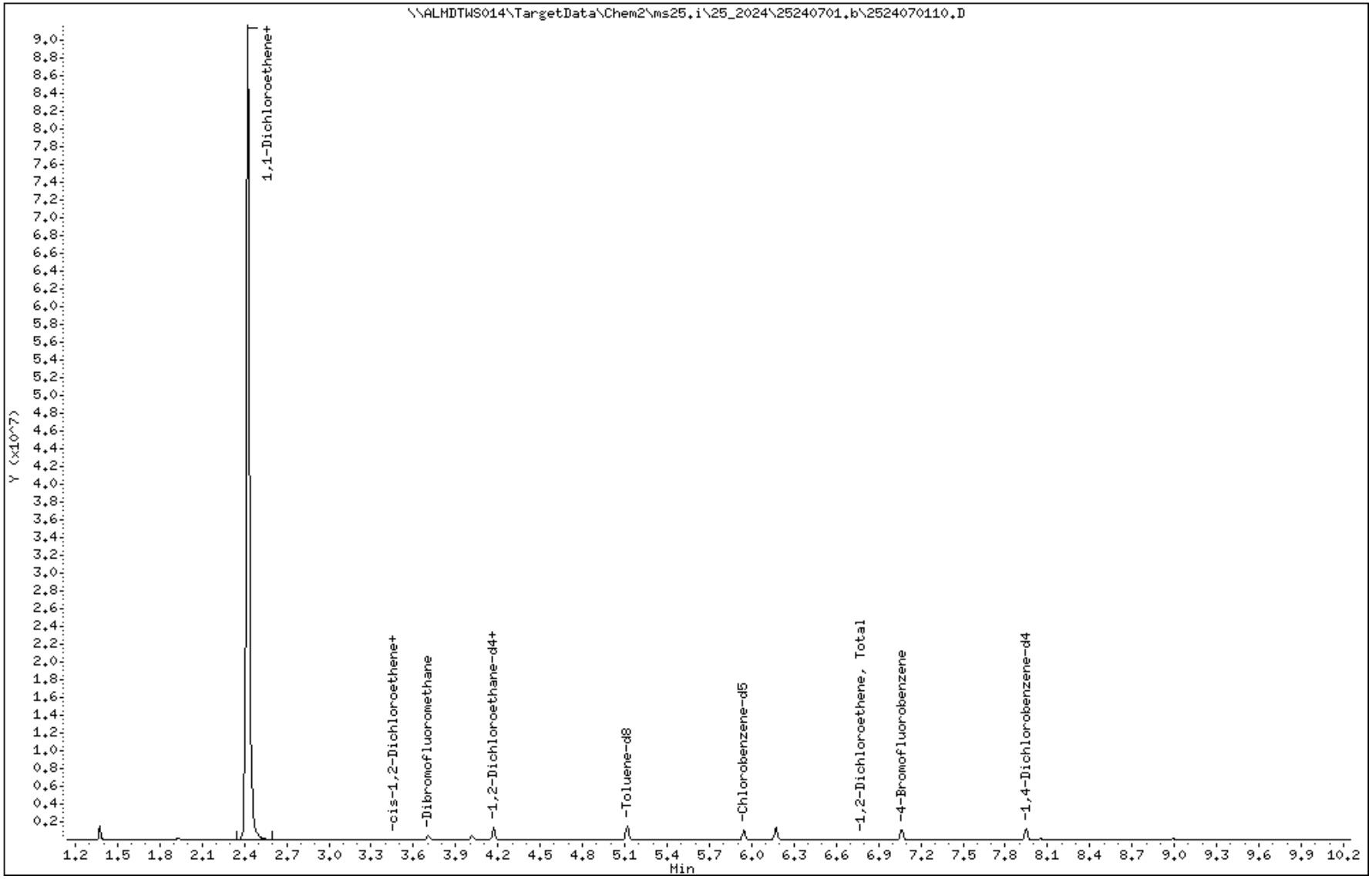
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Purge Volume: 5.0

Operator: TMP

Column phase: DB-VRX

Column diameter: 0.25



Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070110.D

Date : 01-JUL-2024 12:57

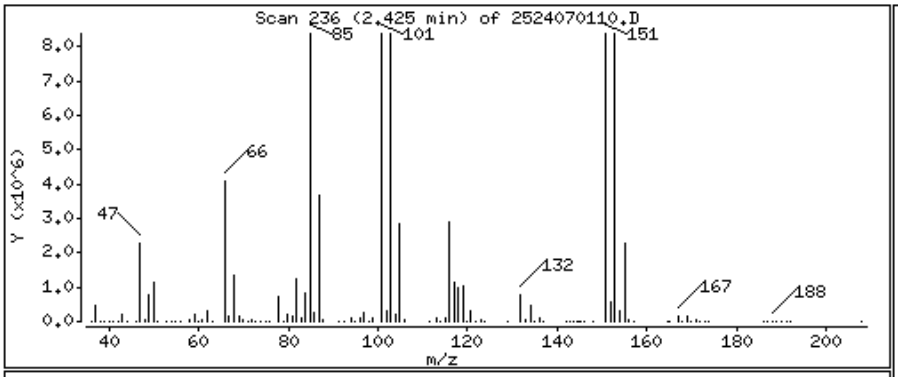
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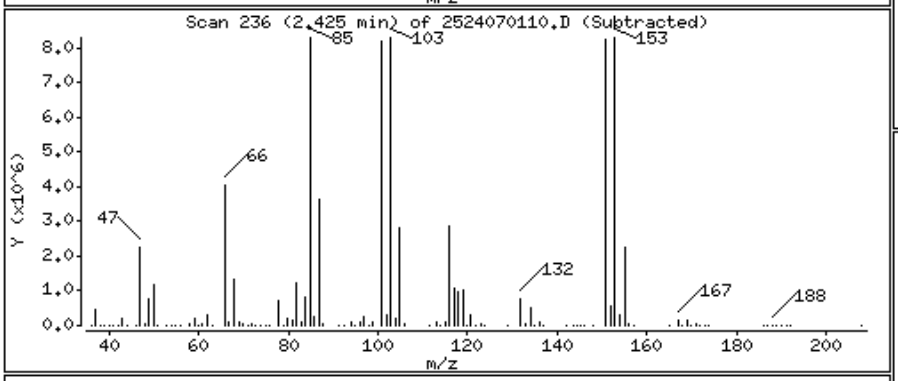
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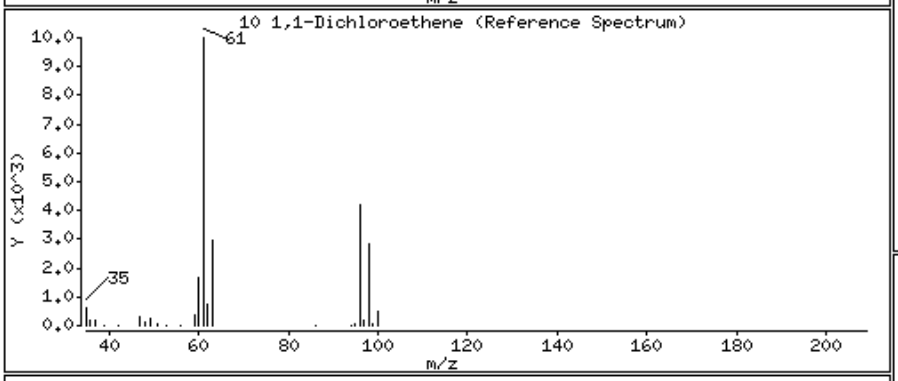
Purge Volume: 5.0 Operator: TMP

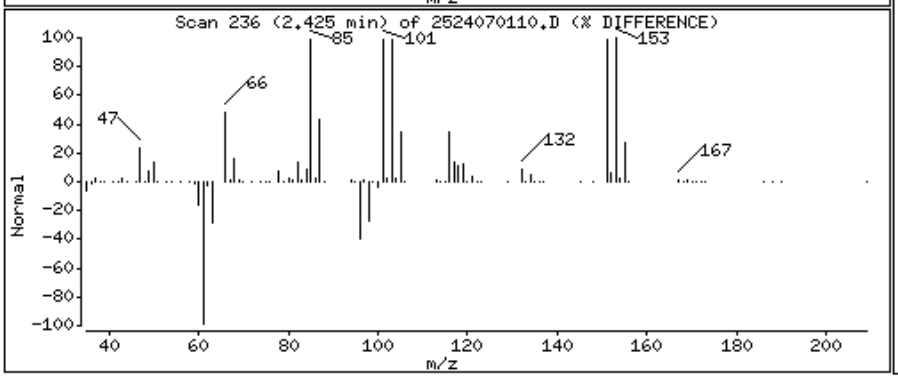
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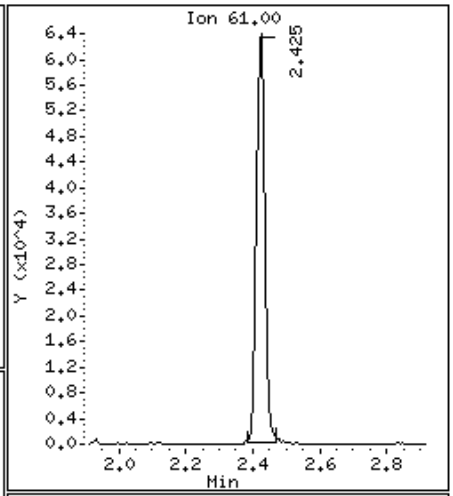
10 1,1-Dichloroethene Concentration: 9.87298 ug/L

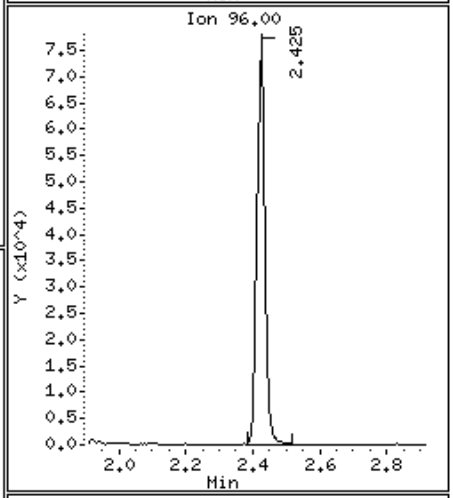


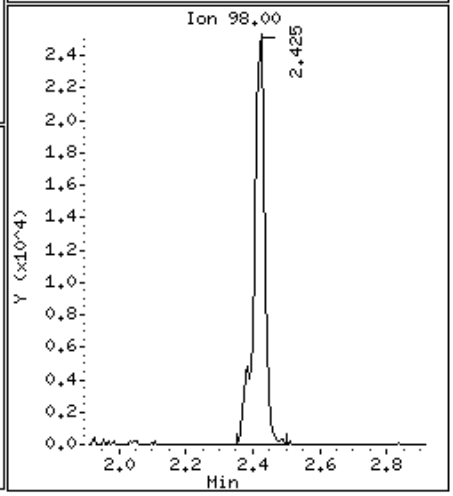












Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070110.D Page 3

Date : 01-JUL-2024 12:57

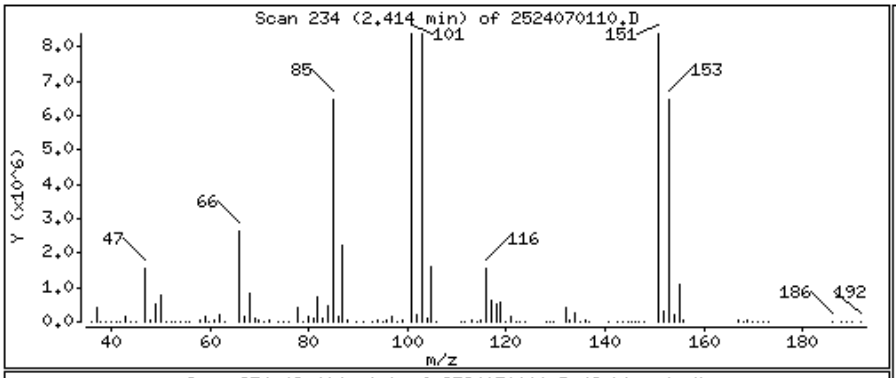
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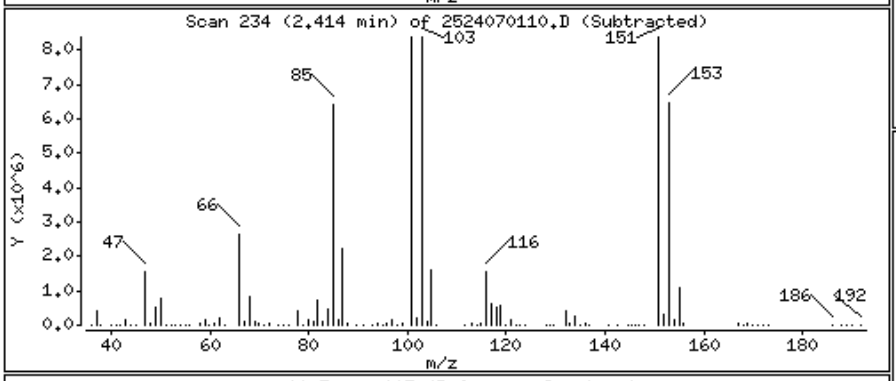
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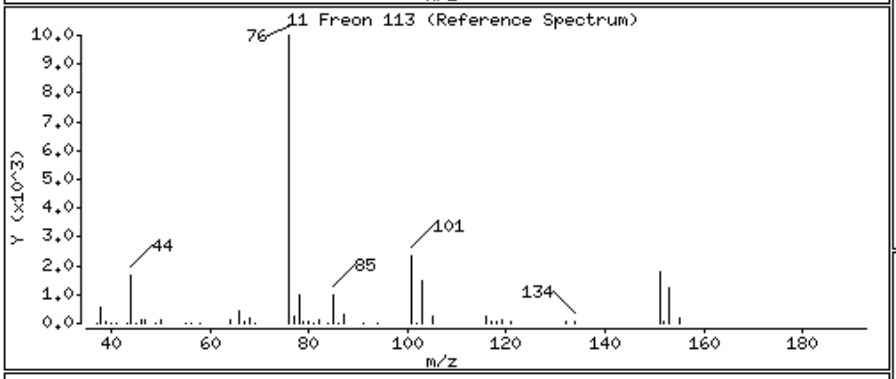
Purge Volume: 5.0 Operator: TMP

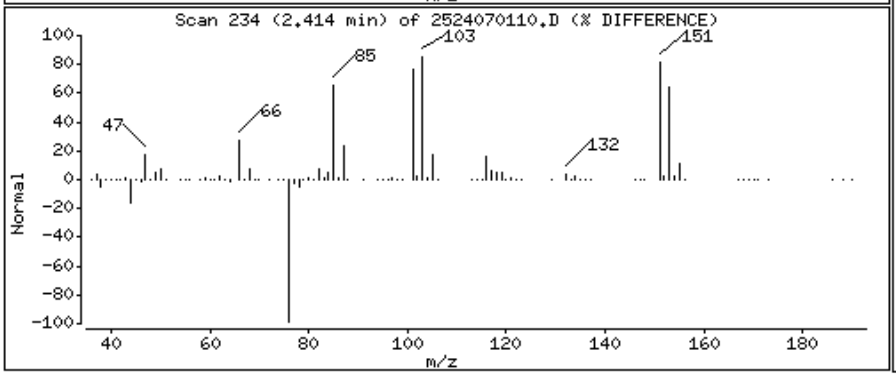
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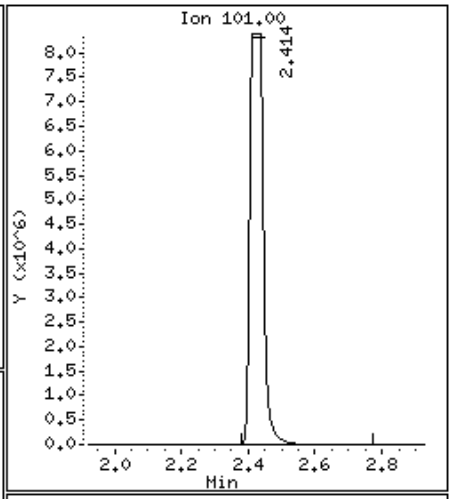
11 Freon 113 Concentration: 3059.96 ug/L

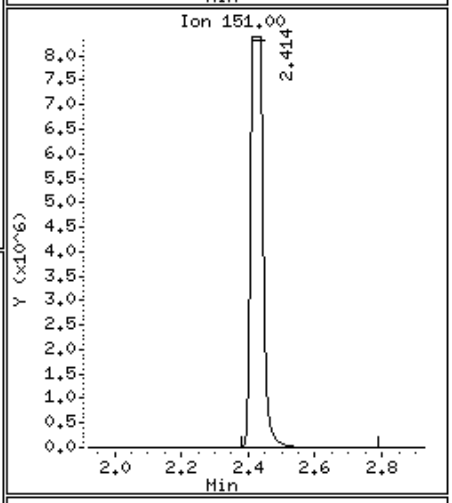


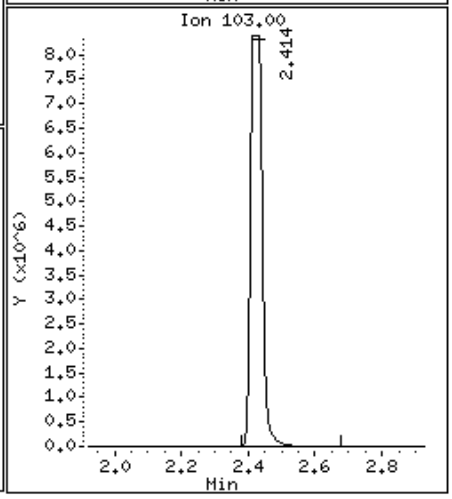












Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070110.D Page 4

Date : 01-JUL-2024 12:57

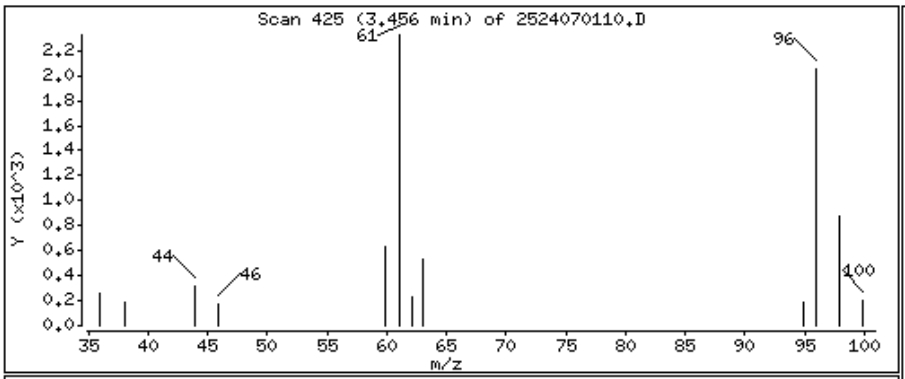
Client ID: 125_061924 Instrument: ms25.i

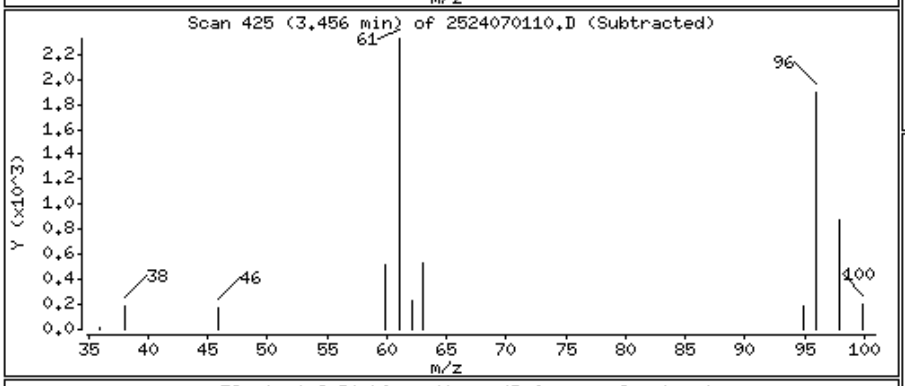
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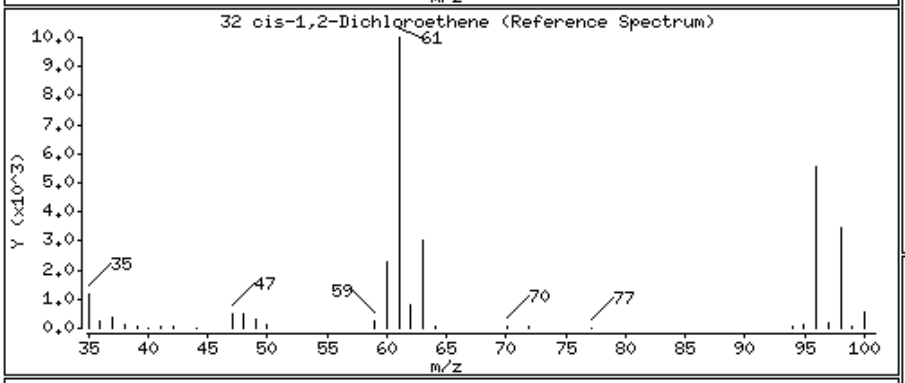
Purge Volume: 5.0 Operator: TMP

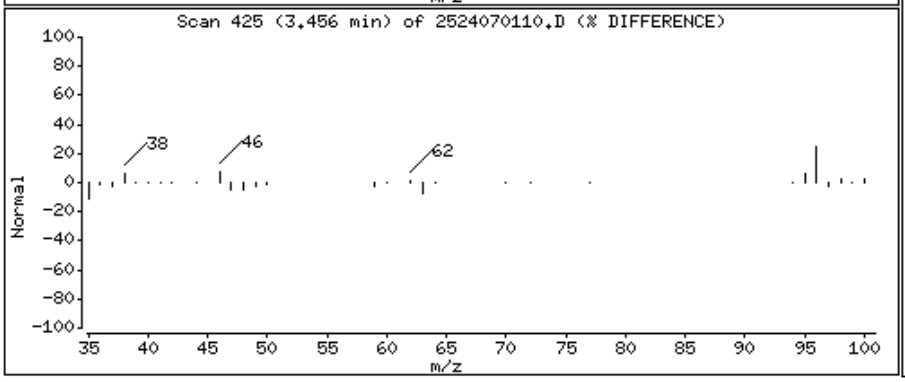
Column phase: DB-VRX Column diameter: 0.25

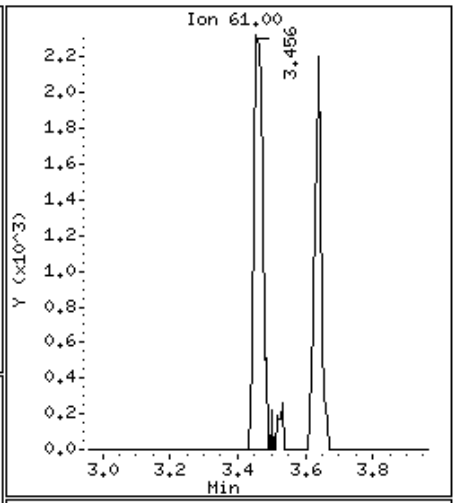
32 cis-1,2-Dichloroethene Concentration: 0.379011 ug/L

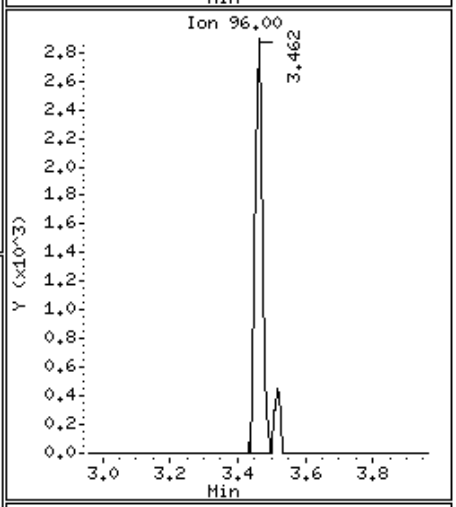


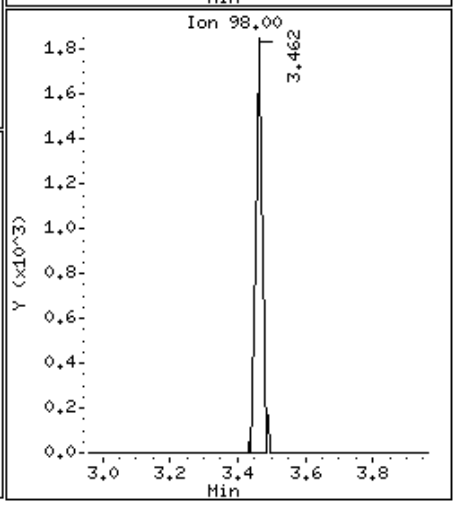












Data File: \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070110.D Page 5

Date : 01-JUL-2024 12:57

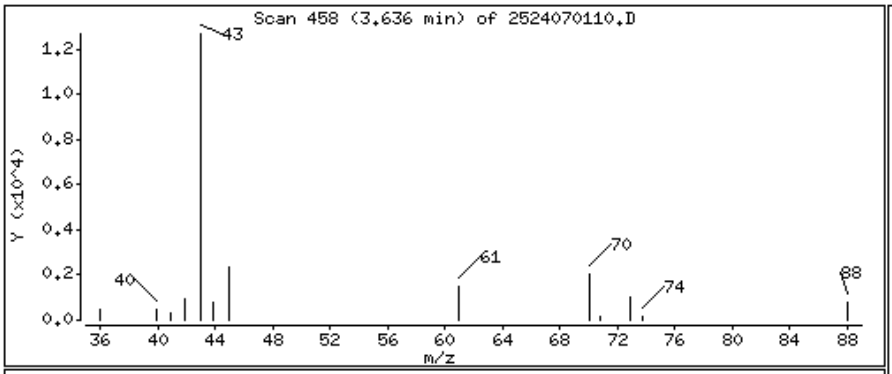
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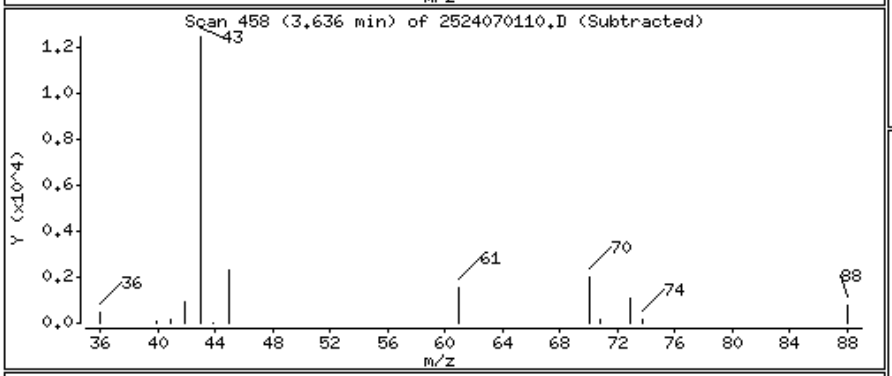
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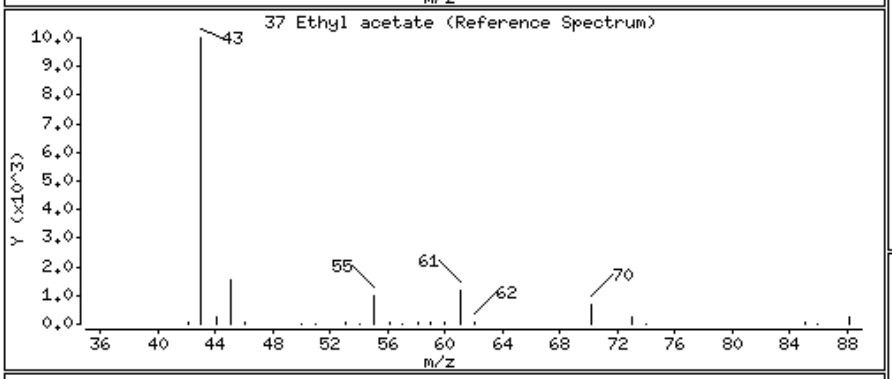
Purge Volume: 5.0 Operator: TMP

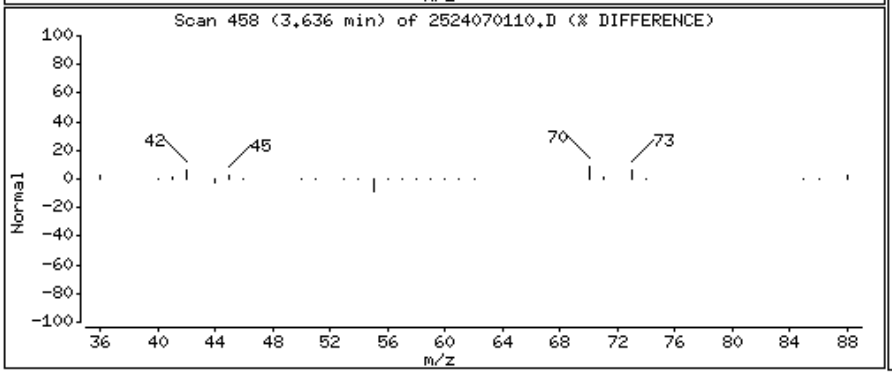
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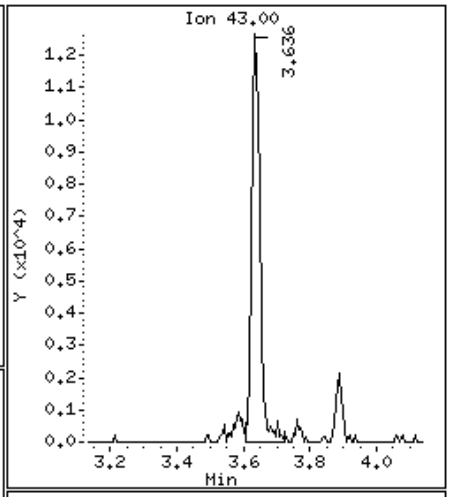
37 Ethyl acetate Concentration: 2.14376 ug/L

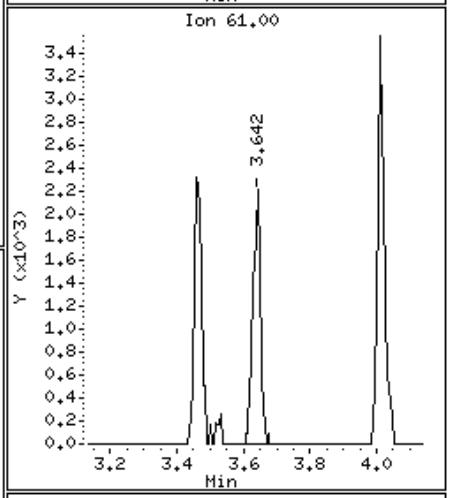


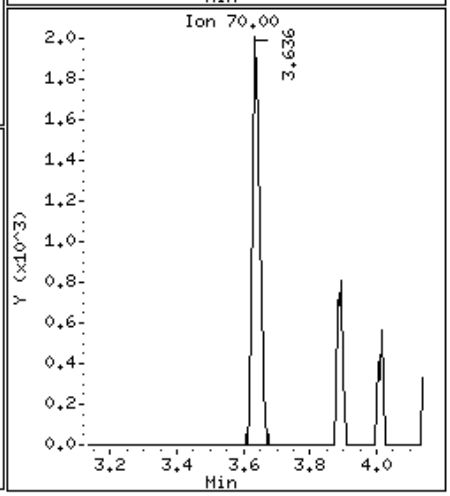












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Date : 01-JUL-2024 12:57

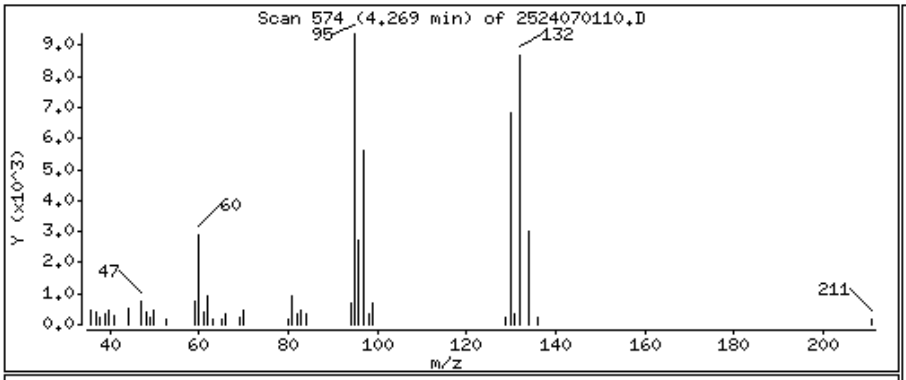
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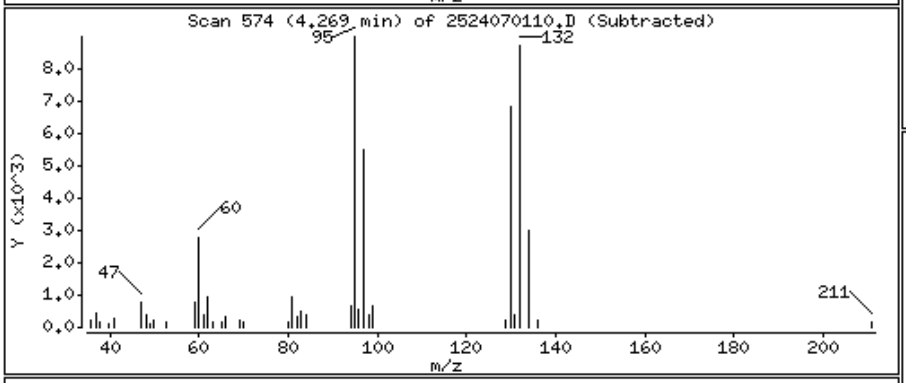
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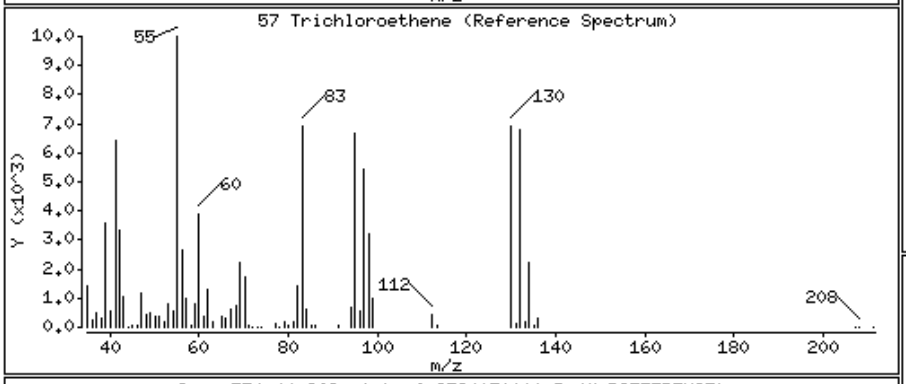
Purge Volume: 5.0 Operator: TMP

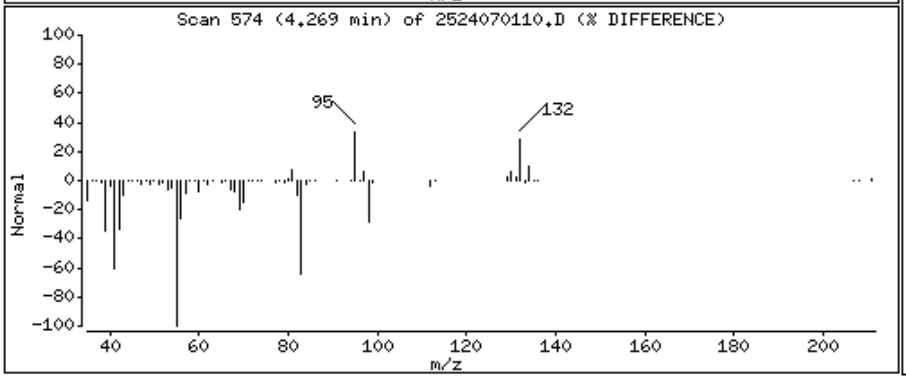
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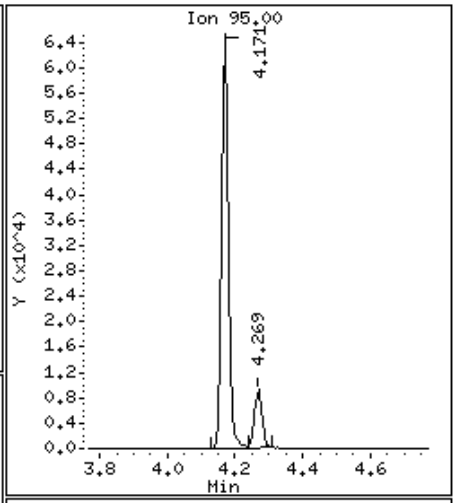
57 Trichloroethene Concentration: 1.46892 ug/L

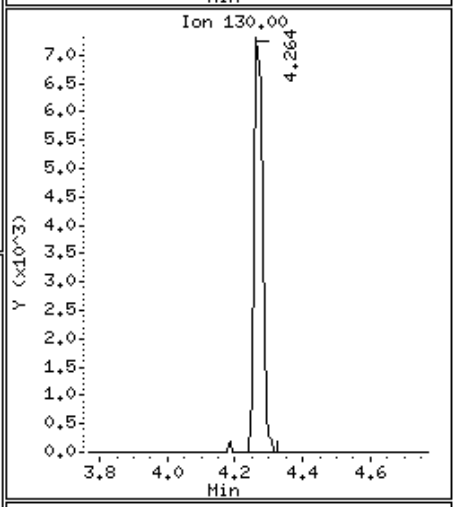


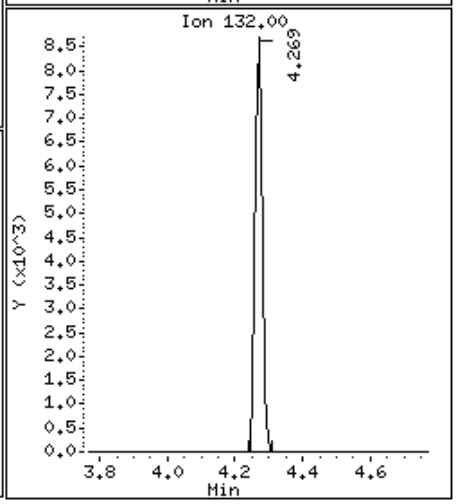












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Inj Date : 01-JUL-2024 12:57
InstruID : ms25.i
LabSampID : 3366030004

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:16
Client ID: 125_061924
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/252407011
Inj Date: 01-JUL-2024 12:57
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetone	Acetonitrile
Carbon Disulfide	3-Chloro-1-propene
1,2-Dichloroethane	trans-1,2-Dichloroethene
Dichlorofluoromethane	Ethyl Ether
Heptane	2-Hexanone
Methyl acetate	Methylene Chloride
2-Nitropropane	Trichlorofluoromethane

Data File: 2524070127.D
Report Date: 02-Jul-2024 13:11

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070127.D
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Inj Date : 01-JUL-2024 18:43
Operator : TMP Inst ID: ms25.i
Smp Info : 3846786;;1;3;;MS;1;
Misc Info : ZZ VOMS 73674 D8260DW
Comment :
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Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 27 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.496	1.497	(0.359)	208678	19.3555	19.3555	
2 Chloromethane	50	1.644	1.644	(0.394)	198199	20.9830	20.9830	
3 Vinyl Chloride	62	1.704	1.704	(0.409)	241562	19.8197	19.8197	
4 Bromomethane	94	1.922	1.922	(0.461)	128066	21.7058	21.7058	
5 Chloroethane	64	1.998	2.004	(0.479)	168410	20.2745	20.2745	
6 Pentane	41	2.086	2.091	(0.500)	156301	19.9537	19.9537	
7 Trichlorofluoromethane	101	2.097	2.097	(0.503)	327394	19.6110	19.6110	
8 Dichlorofluoromethane	67	2.124	2.124	(0.509)	337419	21.8434	21.8434	
9 Ethyl Ether	74	2.277	2.277	(0.546)	91463	19.4710	19.4710	
10 1,1-Dichloroethene	61	2.413	2.413	(0.579)	212504	22.6707	22.6707	
12 Carbon Disulfide	76	2.446	2.446	(0.587)	412028	20.3768	20.3768	
11 Freon 113	101	2.424	2.424	(0.581)	152228	23.0895	23.0895	
13 Iodomethane	127	2.506	2.506	(0.601)	60475	16.9831	16.9831	
14 Acrolein	56	2.599	2.599	(0.623)	216931	143.478	143.478	
16 3-Chloro-1-propene	41	2.680	2.681	(0.643)	168567	20.7401	20.7401	
15 Isopropyl Alcohol	45	2.653	2.648	(0.636)	41245	81.3387	81.3387	
17 Methylene Chloride	84	2.741	2.741	(0.657)	156428	20.4302	20.4302	
18 Acetone	58	2.757	2.752	(0.661)	73402	86.5279	86.5279	
19 Methyl acetate	74	2.817	2.812	(0.676)	25410	14.2830	14.2830(Q)	
20 trans-1,2-Dichloroethene	61	2.828	2.828	(0.678)	198246	21.5936	21.5936	
21 Hexane	57	2.861	2.866	(0.686)	297998	19.3345	19.3345	

Data File: 2524070127.D
Report Date: 02-Jul-2024 13:11

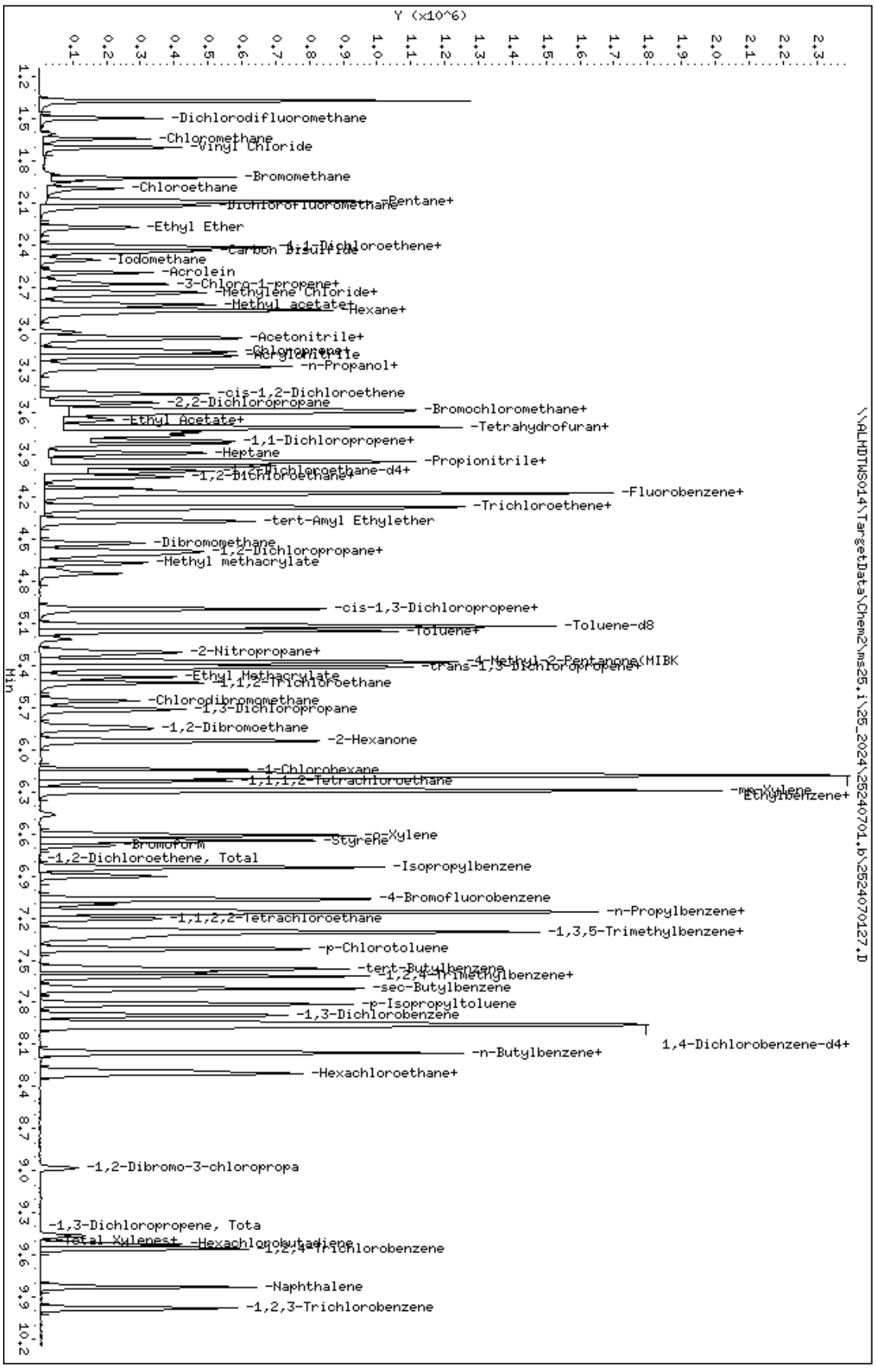
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.871	2.872	(0.689)	433034	18.5315	18.5315	
	23 tert.- Butyl Alcohol	59	2.893	2.894	(0.694)	75212	88.8136	88.8136	
	24 Acetonitrile	41	3.019	3.019	(0.724)	91874	96.8525	96.8525	
	25 Diisopropyl ether	45	3.062	3.063	(0.734)	426374	20.9259	20.9259	
	26 Chloroprene	53	3.155	3.155	(0.757)	222720	21.5604	21.5604	
	27 1,1-Dichloroethane	63	3.172	3.166	(0.761)	262988	21.0260	21.0260	
	28 Acrylonitrile	53	3.188	3.188	(0.765)	321690	98.7547	98.7547	
	30 n-Propanol	41	3.264	3.265	(0.783)	77141	192.174	192.174(aQ)	
	29 Ethyl tert-butyl ether	59	3.264	3.265	(0.783)	455967	21.0701	21.0701	
	31 Vinyl acetate	86	3.275	3.275	(0.785)	29265	13.9852	13.9852(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.461	(0.830)	210066	22.5663	22.5663	
	33 2,2-Dichloropropane	77	3.526	3.526	(0.846)	186574	18.7159	18.7159	
M	100 1,2-Dichloroethene, Total	61				408312	44.1600	44.1600	
	34 Bromochloromethane	128	3.575	3.576	(0.857)	82988	20.6728	20.6728	
	35 Cyclohexane	84	3.586	3.586	(0.860)	247089	22.1218	22.1218	
	36 Chloroform	83	3.597	3.597	(0.863)	278957	20.6596	20.6596	
	37 Ethyl acetate	43	3.635	3.636	(0.872)	117386	14.4381	14.4381	
	38 Methyl acrylate	55	3.657	3.652	(0.877)	144715	19.3058	19.3058(Q)	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	174503	17.8407	17.8407(M)	MP
	40 Tetrahydrofuran	42	3.695	3.696	(0.886)	209848	91.5730	91.5730	
$	41 Dibromofluoromethane	113	3.706	3.707	(0.889)	230710	30.0086	30.0086	
	42 1,1,1-Trichloroethane	97	3.734	3.734	(0.895)	233023	22.1721	22.1721	
	43 2-Butanone	72	3.761	3.761	(0.902)	102383	92.4192	92.4192(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.799	(0.911)	210465	21.1708	21.1708	
	45 1-Chlorobutane	41	3.815	3.821	(0.915)	136675	21.3788	21.3788	
	46 Heptane	71	3.886	3.887	(0.932)	112383	19.4580	19.4580	
	48 Propionitrile	54	3.941	3.941	(0.945)	120711	97.8588	97.8588	
	47 Benzene	78	3.941	3.941	(0.945)	617323	20.2030	20.2030	
	49 Methacrylonitrile	67	3.952	3.952	(0.948)	73045	19.7540	19.7540(Q)	
	50 tert-amyl methyl Ether	73	3.974	3.974	(0.953)	439022	21.0164	21.0164	
$	51 1,2-Dichloroethane-d4	65	4.012	4.018	(0.962)	250451	30.9029	30.9029(M)	MP
	54 Isobutyl alcohol	42	3.990	3.985	(0.957)	23145	126.059	126.059(QM)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	195489	20.3517	20.3517	
	53 tert-Amyl Alcohol	59	4.061	4.056	(0.974)	55306	85.1206	85.1206	
*	55 Fluorobenzene	96	4.170	4.170	(1.000)	974374	30.0000		
	56 Diisobutylene	57	4.176	4.176	(1.001)	287358	14.1828	14.1828	
	57 Trichloroethene	95	4.268	4.269	(1.024)	170977	22.1091	22.1091	
	58 Methyl cyclohexane	83	4.274	4.274	(0.692)	256565	22.0006	22.0006	
	59 tert-Amyl Ethylether	59	4.367	4.367	(1.047)	318077	17.6386	17.6386	
	60 Dibromomethane	93	4.525	4.525	(1.085)	97077	19.8571	19.8571	
	61 1,2-Dichloropropane	63	4.585	4.585	(1.099)	151446	20.5933	20.5933	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	188858	18.6720	18.6720	
	63 Methyl methacrylate	41	4.667	4.667	(1.119)	113184	19.4465	19.4465	
	65 2-Chloroethylvinyl ether	63	4.918	4.934	(1.179)	448	0.45296	0.452963(aQRM)	IH
	66 cis-1,3-Dichloropropene	75	4.994	4.994	(0.809)	224294	18.6185	18.6185	
	67 Octane	85	4.999	4.994	(0.810)	82790	18.7235	18.7235	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	903497	31.7414	31.7414	
	69 Toluene	92	5.152	5.152	(0.835)	374054	20.7332	20.7332	
	70 Chloroacetonitrile	75	5.212	5.213	(0.844)	41856	93.0655	93.0655	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	159488	81.8816	81.8816	
	72 1,1-Dichloro-2-propanone	63	5.310	5.311	(0.860)	15563	82.6760	82.6760(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	700474	98.9302	98.9302	
	75 trans-1,3-Dichloropropene	75	5.409	5.409	(0.876)	208621	18.7094	18.7094	
	74 Tetrachloroethene	164	5.409	5.409	(0.876)	131271	19.9820	19.9820	

Data File: 2524070127.D
Report Date: 02-Jul-2024 13:11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	76 Ethyl methacrylate	69	5.480	5.480	(0.888)	194689	18.1064	18.1064	
	77 1,1,2-Trichloroethane	83	5.523	5.524	(0.895)	117305	21.1624	21.1624	
	78 Chlorodibromomethane	129	5.649	5.649	(0.915)	136482	17.6098	17.6098	
	79 1,3-Dichloropropane	76	5.714	5.715	(0.926)	241651	22.0647	22.0647	
	80 1,2-Dibromoethane	107	5.829	5.829	(0.944)	139287	19.0239	19.0239	
	81 2-Hexanone	43	5.933	5.933	(0.961)	463225	95.4601	95.4601	
	82 1-Chlorohexane	91	6.145	6.140	(0.996)	194083	20.4489	20.4489	
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	359522	30.0000	(M)	MP
	85 Ethylbenzene	106	6.189	6.189	(1.003)	218486	20.2453	20.2453	
	84 Chlorobenzene	112	6.184	6.184	(1.002)	388951	21.1556	21.1556	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.222	(1.008)	131917	19.2005	19.2005	
	87 mp-Xylene	106	6.287	6.287	(1.019)	510215	39.4987	39.4987	
M	120 1,3-Dichloropropene, Total	75				432915	37.3279	37.3279	
	88 o-Xylene	106	6.609	6.609	(1.071)	240061	19.6210	19.6210	
	89 Styrene	104	6.647	6.648	(0.836)	366946	20.3220	20.3220	
	90 Bromoform	173	6.680	6.680	(0.840)	87801	17.3037	17.3037	
	91 Isopropylbenzene	105	6.838	6.839	(0.860)	617465	24.3905	24.3905	
$	92 4-Bromofluorobenzene	174	7.067	7.068	(0.889)	256726	30.1348	30.1348	
M	121 TOTAL XYLENES	106				750276	59.1197	59.1197	
	94 n-Propylbenzene	120	7.155	7.155	(0.900)	170530	22.9049	22.9049	
	93 Bromobenzene	156	7.155	7.155	(0.900)	158804	21.8113	21.8113	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.204	(0.906)	163965	22.6578	22.6578	
	97 1,3,5-Trimethylbenzene	105	7.302	7.302	(0.918)	470558	22.7098	22.7098	
	96 o-Chlorotoluene	91	7.291	7.291	(0.917)	455731	23.2657	23.2657	
	98 1,2,3-Trichloropropane	110	7.324	7.324	(0.921)	51658	22.1328	22.1328	
	99 trans-1,4-Dichloro-2-butene	53	7.340	7.346	(0.923)	42695	19.4051	19.4051	
	101 p-Chlorotoluene	91	7.417	7.417	(0.933)	411866	23.2134	23.2134	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	116532	23.5149	23.5149	
	103 Pentachloroethane	117	7.586	7.586	(0.954)	97821	19.8342	19.8342(QM)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.613	(0.957)	461138	20.9291	20.9291	
	105 sec-Butylbenzene	105	7.700	7.701	(0.968)	611621	23.8830	23.8830	
	106 p-Isopropyltoluene	134	7.815	7.810	(0.983)	129930	22.1554	22.1554	
	107 1,3-Dichlorobenzene	146	7.891	7.892	(0.992)	270491	22.0519	22.0519	
*	108 1,4-Dichlorobenzene-d4	152	7.951	7.952	(1.000)	307946	30.0000		
	109 1,4-Dichlorobenzene	146	7.962	7.963	(1.001)	271137	21.2065	21.2065	
	111 n-Butylbenzene	134	8.159	8.159	(1.026)	116290	21.2192	21.2192(Q)	
	110 Benzyl Chloride	126	8.159	8.159	(1.026)	43185	14.4291	14.4291(Q)	
	112 Hexachloroethane	117	8.290	8.290	(1.043)	81340	18.7546	18.7546	
	113 1,2-Dichlorobenzene	146	8.312	8.312	(1.045)	253236	21.6733	21.6733	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.983	(1.130)	22796	16.7493	16.7493	
	115 Nitrobenzene	77	9.463	9.463	(1.190)	60376	145.639	145.639	
	116 Hexachlorobutadiene	225	9.528	9.523	(1.198)	73102	19.0676	19.0676	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	166219	21.4817	21.4817	
	118 Naphthalene	128	9.828	9.829	(1.236)	399388	17.7679	17.7679	
	119 1,2,3-Trichlorobenzene	180	9.981	9.981	(1.255)	149173	17.3501	17.3501	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

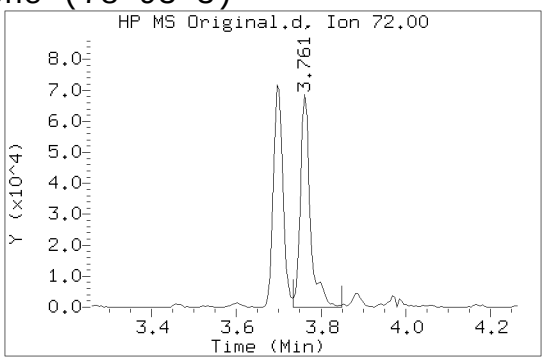

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Ethyl Ether
-Iodomethane
-Acrolein
-Methylene Chloride+
-Hexane+
-Acetonitrile+
-n-Propanol+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Tetrahydrofuran+
-Ethyl Acetate+
-1,1-Dichloropropene+
-Heptane
-Propionitrile+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-cis-1,3-Dichloropropene+
-Toluene-d8
-Toluene+
-2-Nitropropane+
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
-m,p-Xylene
-Ethylbenzene+
-o-Xylene
-Styrene
-Bromoform
-1,2-Dichloroethene, Total
-Isopropylbenzene
-4-Bromofluorobenzene
-n-Propylbenzene+
-1,1,2,2-Tetrachloroethane
-1,3,5-Trimethylbenzene+
-p-Chlorotoluene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene+
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-Total Xylenes+
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
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Date : 01-JUL-2024 18:43
Client ID: 33660300001MS
Sample Info: 3846786;;1;3;;MS;1;
Purge Volume: 5.0
Column phase: DB-VRX
Instrument: ms25.i
Operator: THP
Column diameter: 0.25
Page 1

Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070127.D
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InstruID : ms25.i
LabSampID : 3846786

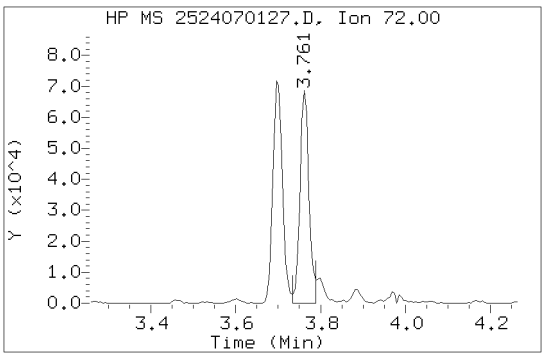
2-Butanone (78-93-3)

Reason Code: MP

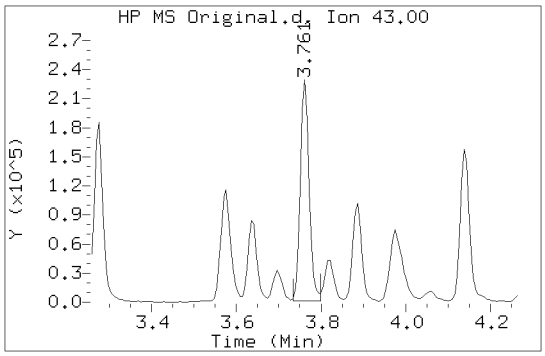
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72
AREA
112888
HEIGHT
68768
01-Jul-2024
19:53



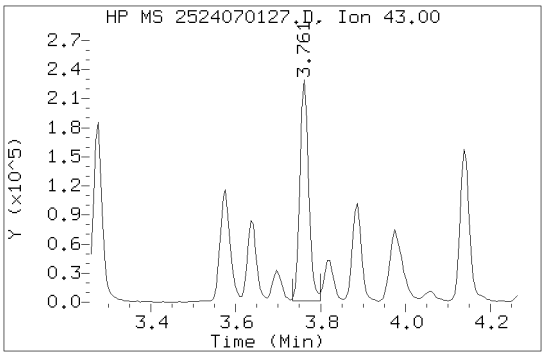
AFTER
MASS
72
AREA
102383
HEIGHT
68768
02-Jul-2024
13:11



BEFORE
MASS
43
AREA
331591
HEIGHT
228109
01-Jul-2024
19:53



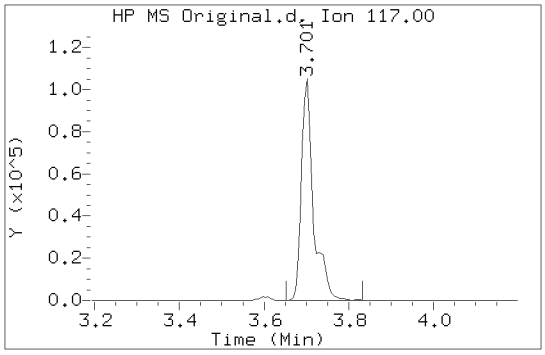
AFTER
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43
AREA
331591
HEIGHT
228109
02-Jul-2024
13:11



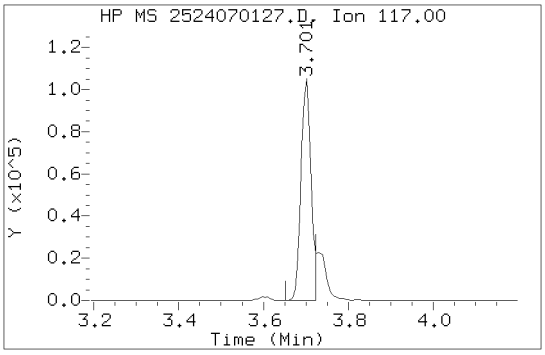
Carbon Tetrachloride (56-23-5)

Reason Code: MP

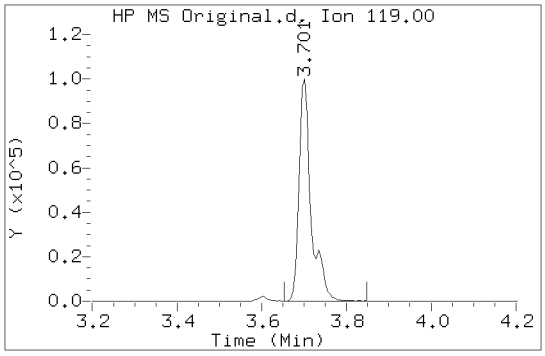
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AREA
209526
HEIGHT
105168
01-Jul-2024
19:53



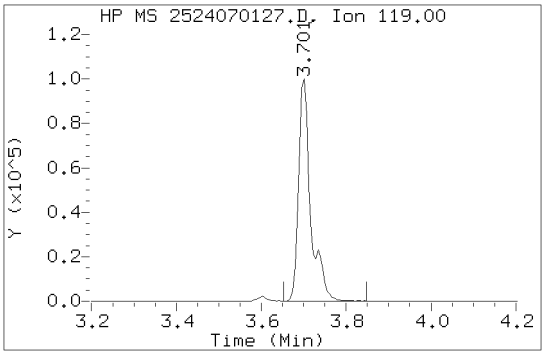
AFTER
MASS
117
AREA
174503
HEIGHT
105168
02-Jul-2024
13:11



BEFORE
MASS
119
AREA
200002
HEIGHT
100024
01-Jul-2024
19:53



AFTER
MASS
119
AREA
200002
HEIGHT
100024
02-Jul-2024
13:11

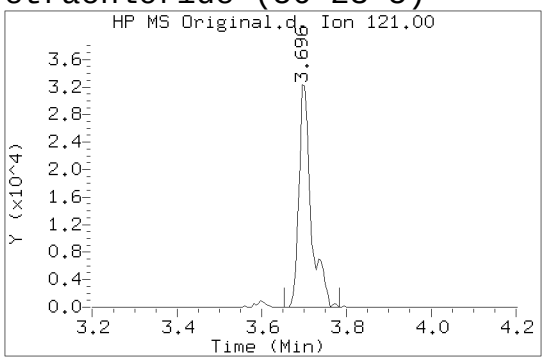


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LabSampID : 3846786

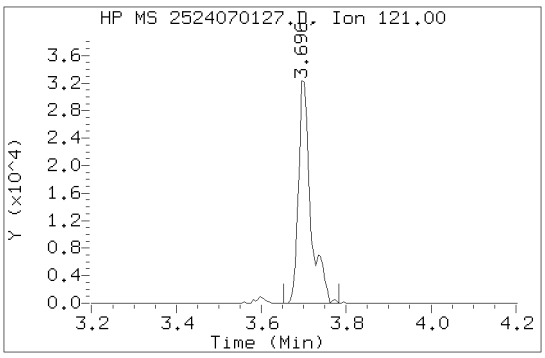
Carbon Tetrachloride (56-23-5)

Reason Code: MP

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MASS
121
AREA
64999
HEIGHT
32312
01-Jul-2024
19:53



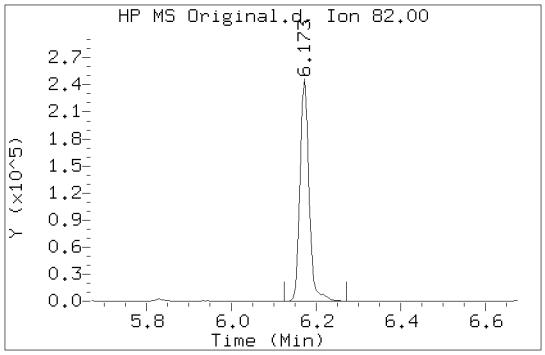
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MASS
121
AREA
64999
HEIGHT
32312
02-Jul-2024
13:11



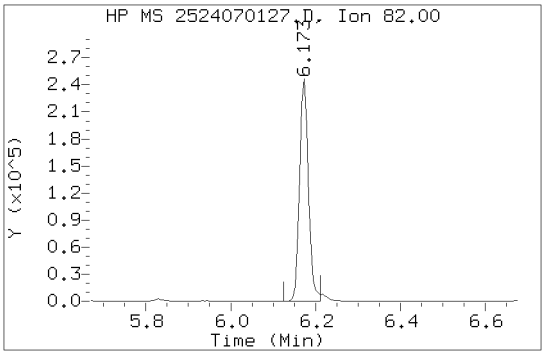
Chlorobenzene-d5 (3114-55-4)

Reason Code: MP

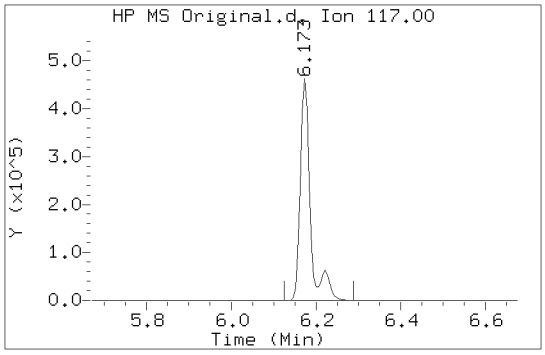
BEFORE
MASS
82
AREA
367449
HEIGHT
246592
01-Jul-2024
19:53



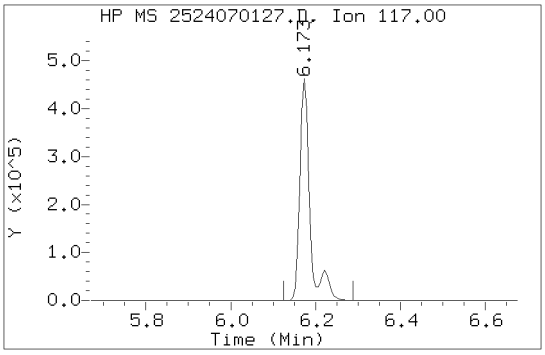
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AREA
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HEIGHT
246592
02-Jul-2024
13:11



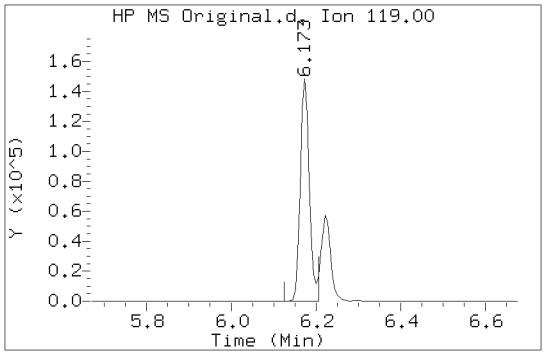
BEFORE
MASS
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AREA
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HEIGHT
462720
01-Jul-2024
19:53



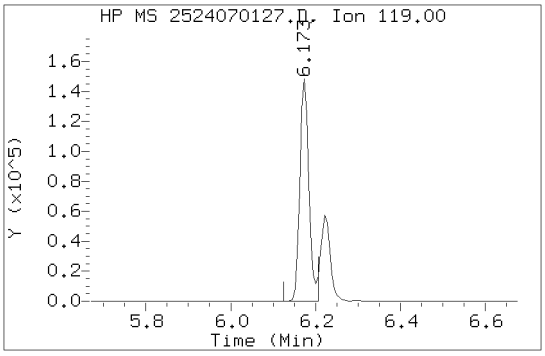
AFTER
MASS
117
AREA
770469
HEIGHT
462720
02-Jul-2024
13:11



BEFORE
MASS
119
AREA
222285
HEIGHT
148352
01-Jul-2024
19:53



AFTER
MASS
119
AREA
222285
HEIGHT
148352
02-Jul-2024
13:11

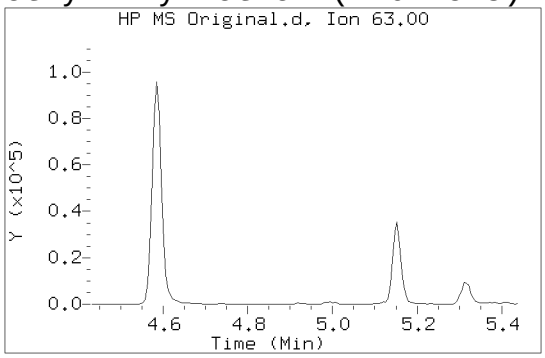


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LabSampID : 3846786

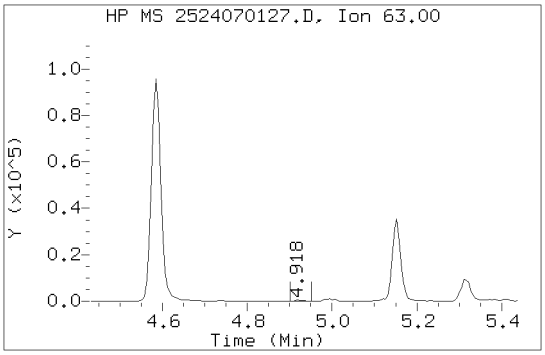
2-Chloroethylvinyl ether (110-75-8)

Reason Code: IH

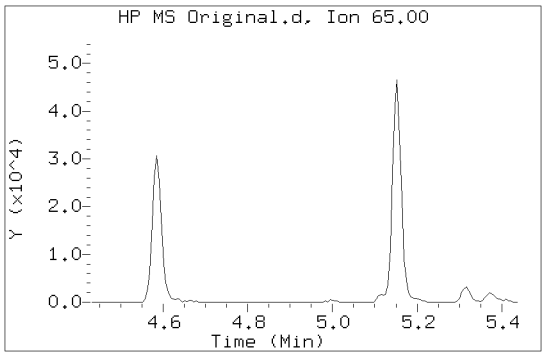
BEFORE
MASS
63
AREA
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HEIGHT
0
01-Jul-2024
19:53



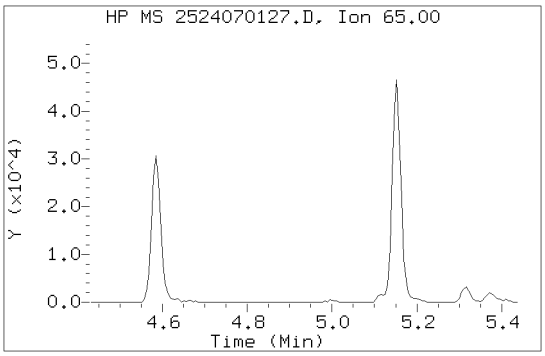
AFTER
MASS
63
AREA
448
HEIGHT
484
02-Jul-2024
13:11



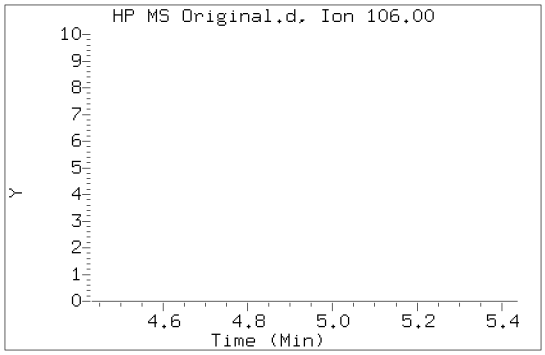
BEFORE
MASS
65
AREA
0
HEIGHT
0
01-Jul-2024
19:53



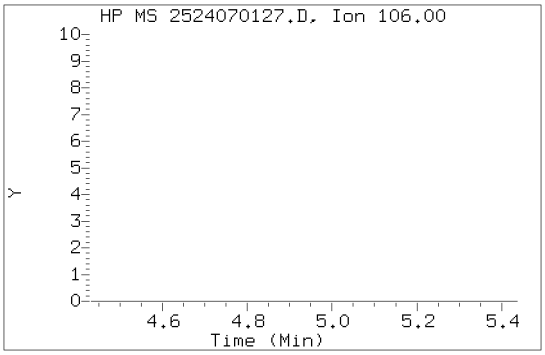
AFTER
MASS
65
AREA
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HEIGHT
0
02-Jul-2024
13:11



BEFORE
MASS
106
AREA
0
HEIGHT
0
01-Jul-2024
19:53



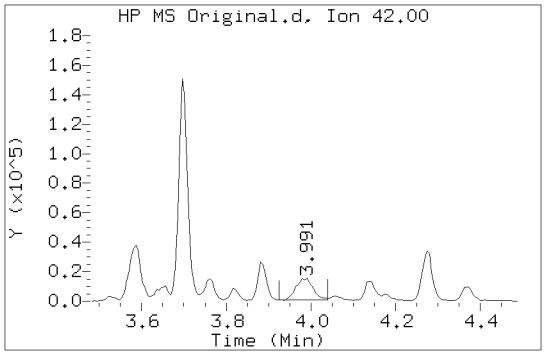
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AREA
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02-Jul-2024
13:11



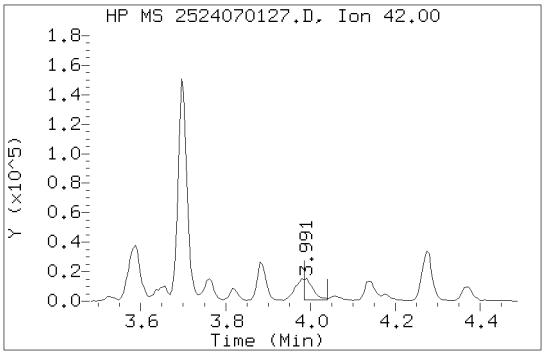
Isobutyl alcohol (78-83-1)

Reason Code: MP

BEFORE
MASS
42
AREA
41868
HEIGHT
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01-Jul-2024
19:53



AFTER
MASS
42
AREA
23145
HEIGHT
14880
02-Jul-2024
13:11

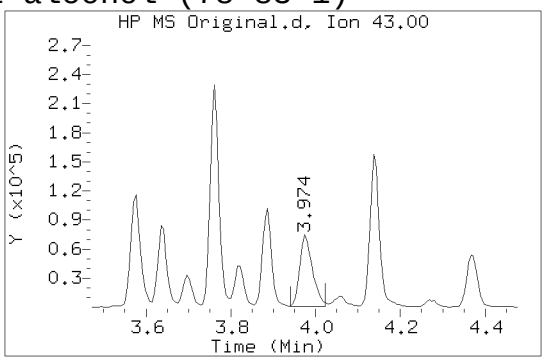


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LabSampID : 3846786

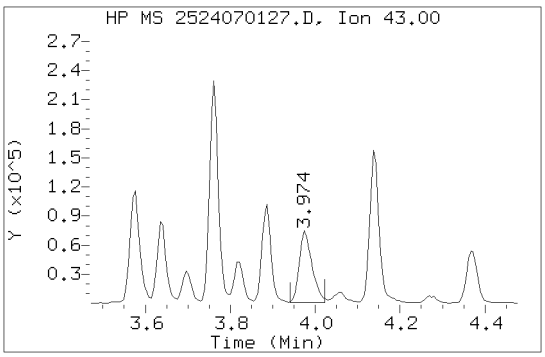
Isobutyl alcohol (78-83-1)

Reason Code: MP

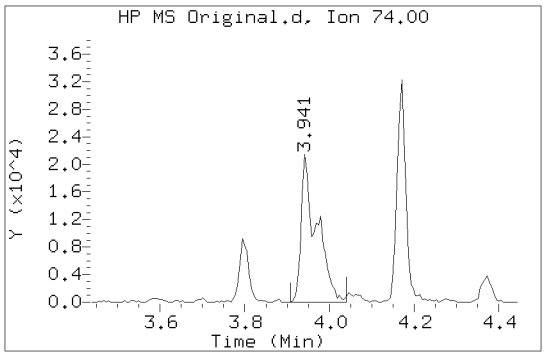
BEFORE
MASS
43
AREA
153994
HEIGHT
74082
01-Jul-2024
19:53



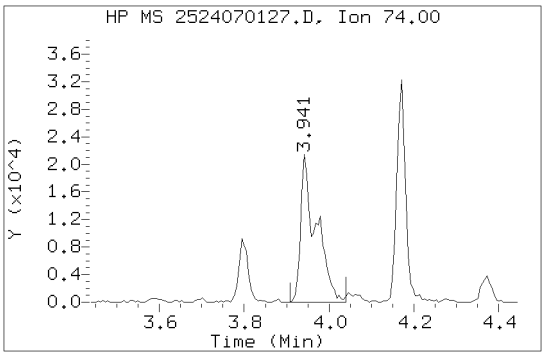
AFTER
MASS
43
AREA
153994
HEIGHT
74082
02-Jul-2024
13:11



BEFORE
MASS
74
AREA
54655
HEIGHT
21472
01-Jul-2024
19:53



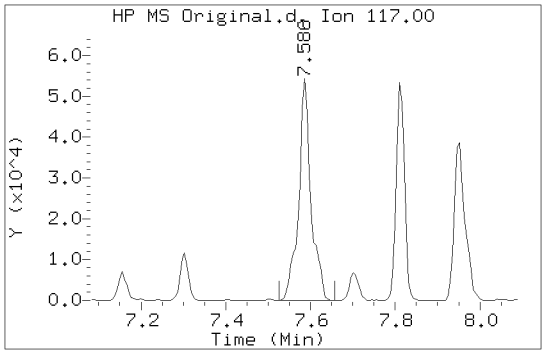
AFTER
MASS
74
AREA
54655
HEIGHT
21472
02-Jul-2024
13:11



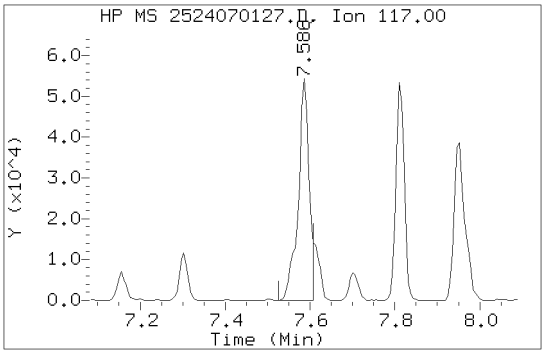
Pentachloroethane (76-01-7)

Reason Code: MP

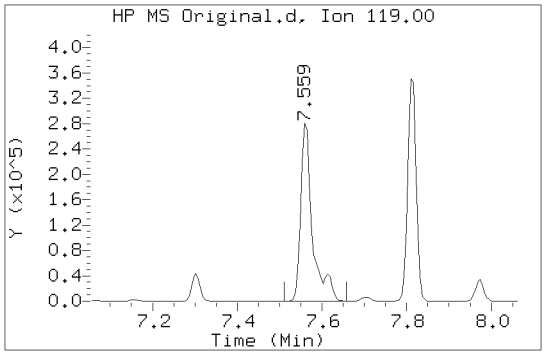
BEFORE
MASS
117
AREA
109711
HEIGHT
54336
01-Jul-2024
19:53



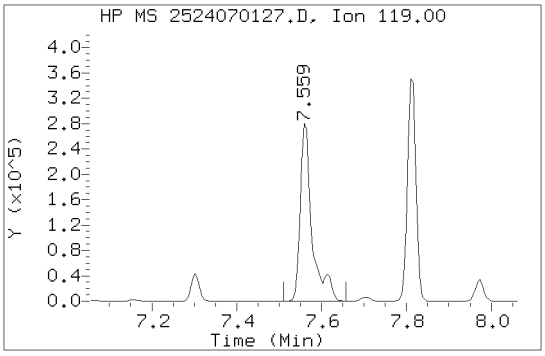
AFTER
MASS
117
AREA
97821
HEIGHT
54336
02-Jul-2024
13:11



BEFORE
MASS
119
AREA
543544
HEIGHT
280384
01-Jul-2024
19:53



AFTER
MASS
119
AREA
543544
HEIGHT
280384
02-Jul-2024
13:11

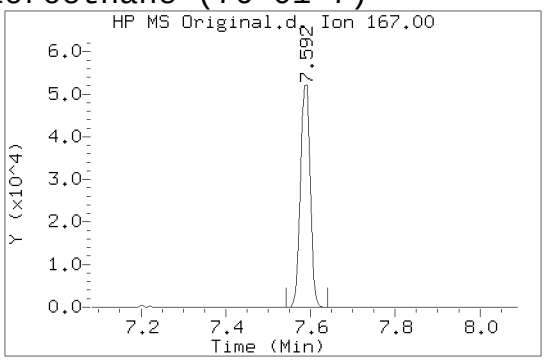


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LabSampID : 3846786

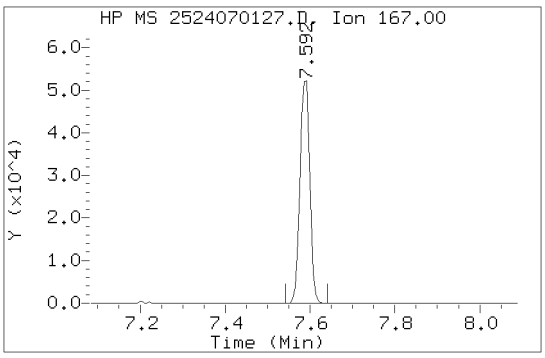
Pentachloroethane (76-01-7)

Reason Code: MP

BEFORE
MASS
167
AREA
84567
HEIGHT
52168
01-Jul-2024
19:53



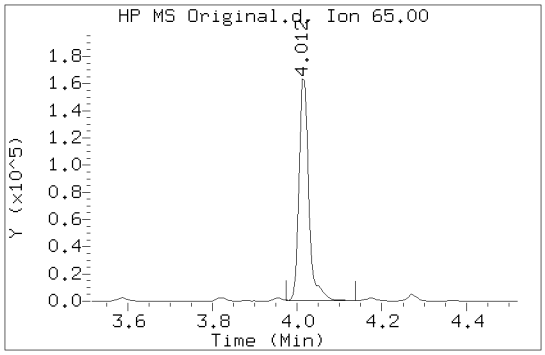
AFTER
MASS
167
AREA
84567
HEIGHT
52168
02-Jul-2024
13:11



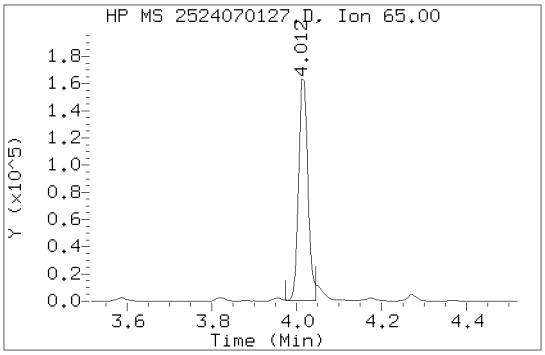
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

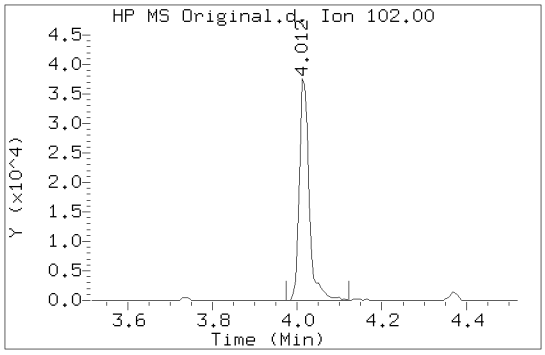
BEFORE
MASS
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AREA
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HEIGHT
162959
01-Jul-2024
19:53



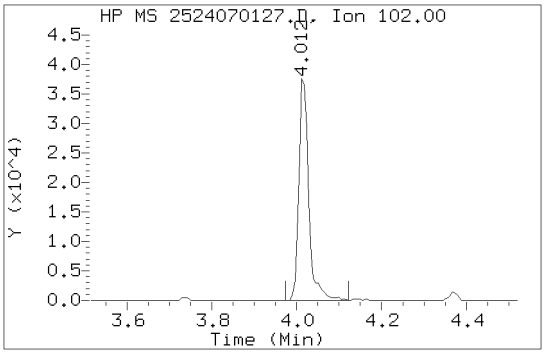
AFTER
MASS
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AREA
250451
HEIGHT
162959
02-Jul-2024
13:11



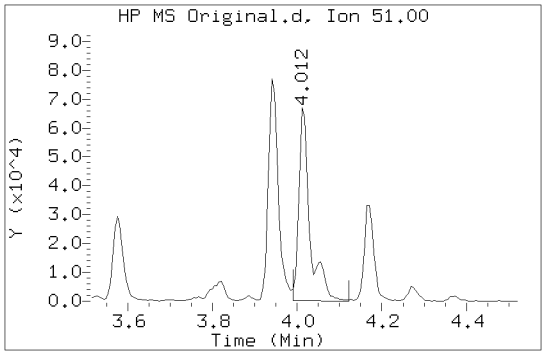
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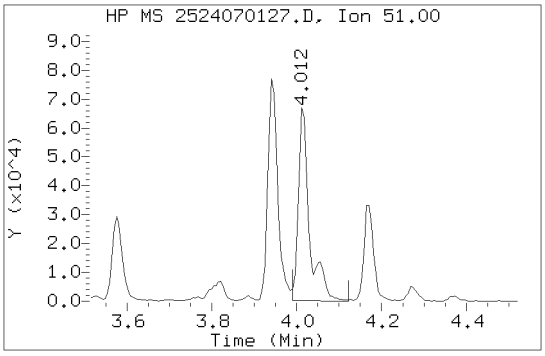
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BEFORE
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66814
01-Jul-2024
19:53



AFTER
MASS
51
AREA
121900
HEIGHT
66814
02-Jul-2024
13:11



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:11
Client ID: 3366030001MS
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/252407012
Inj Date: 01-JUL-2024 18:43
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2524070128.D
Report Date: 02-Jul-2024 13:12

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070128.D
Lab Smp Id: 3846787 Client Smp ID: 3366030001MSD
Inj Date : 01-JUL-2024 19:04
Operator : TMP Inst ID: ms25.i
Smp Info : 3846787;;1;3;;MSD;1;
Misc Info : ZZ VOMS 73674 D8260DW
Comment :
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Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 27 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	206986	18.7994	18.7994	
2 Chloromethane	50	1.644	1.644	(0.394)	192203	19.9193	19.9193	
3 Vinyl Chloride	62	1.704	1.704	(0.409)	232195	18.6550	18.6550	
4 Bromomethane	94	1.922	1.922	(0.461)	127300	21.1156	21.1156	
5 Chloroethane	64	1.999	2.004	(0.479)	162121	19.0938	19.0938	
6 Pentane	41	2.086	2.091	(0.500)	153450	19.1415	19.1415	
7 Trichlorofluoromethane	101	2.097	2.097	(0.503)	314537	18.4491	18.4491	
8 Dichlorofluoromethane	67	2.124	2.124	(0.509)	334747	21.2198	21.2198	
9 Ethyl Ether	74	2.277	2.277	(0.546)	91326	19.0375	19.0375	
10 1,1-Dichloroethene	61	2.408	2.413	(0.577)	202013	21.1033	21.1033	
12 Carbon Disulfide	76	2.446	2.446	(0.587)	406356	19.6784	19.6784	
11 Freon 113	101	2.424	2.424	(0.581)	145155	21.5589	21.5589	
13 Iodomethane	127	2.506	2.506	(0.601)	61618	16.9454	16.9454	
14 Acrolein	56	2.599	2.599	(0.623)	218652	141.609	141.609	
16 3-Chloro-1-propene	41	2.675	2.681	(0.642)	171918	20.7128	20.7128	
15 Isopropyl Alcohol	45	2.653	2.648	(0.636)	44380	85.8717	85.8717	
17 Methylene Chloride	84	2.735	2.741	(0.656)	153847	19.6753	19.6753	
18 Acetone	58	2.752	2.752	(0.660)	76814	88.6671	88.6671	
19 Methyl acetate	74	2.812	2.812	(0.674)	27486	15.1536	15.1536(Q)	
20 trans-1,2-Dichloroethene	61	2.828	2.828	(0.678)	191756	20.4524	20.4524	
21 Hexane	57	2.861	2.866	(0.686)	292333	18.5610	18.5610	

Data File: 2524070128.D
Report Date: 02-Jul-2024 13:12

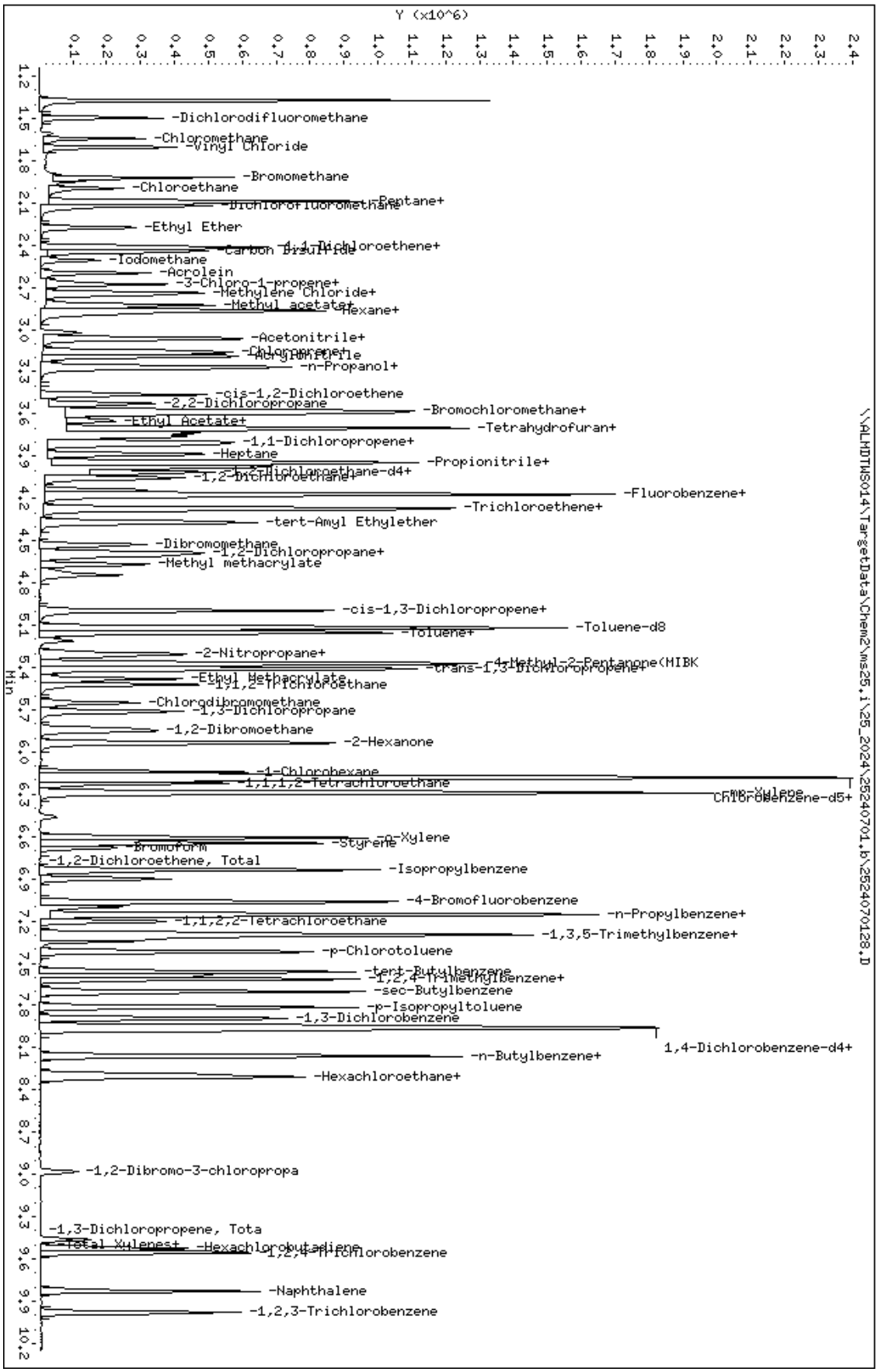
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	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	434803	18.2242	18.2242	
	23 tert.- Butyl Alcohol	59	2.899	2.894	(0.695)	78088	90.2924	90.2924	
	24 Acetonitrile	41	3.025	3.019	(0.725)	93530	96.5480	96.5480	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	421708	20.2665	20.2665	
	26 Chloroprene	53	3.155	3.155	(0.757)	221279	20.9755	20.9755	
	27 1,1-Dichloroethane	63	3.166	3.166	(0.759)	261237	20.4518	20.4518	
	28 Acrylonitrile	53	3.188	3.188	(0.765)	320846	96.4475	96.4475	
	30 n-Propanol	41	3.265	3.265	(0.783)	79806	194.679	194.679(aQ)	
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	455373	20.6051	20.6051	
	31 Vinyl acetate	86	3.276	3.275	(0.785)	30566	14.2944	14.2944(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.461	(0.830)	206396	21.7110	21.7110	
	33 2,2-Dichloropropane	77	3.527	3.526	(0.846)	190097	18.6727	18.6727	
M	100 1,2-Dichloroethene, Total	61				398152	42.1635	42.1635	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	83121	20.2754	20.2754	
	35 Cyclohexane	84	3.587	3.586	(0.860)	241451	21.1675	21.1675	
	36 Chloroform	83	3.597	3.597	(0.863)	278962	20.2304	20.2304	
	37 Ethyl acetate	43	3.636	3.636	(0.872)	119003	14.3320	14.3320	
	38 Methyl acrylate	55	3.652	3.652	(0.876)	147130	19.2198	19.2198	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	175499	17.5758	17.5758(M)	MP
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	218649	93.4296	93.4296	
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	229567	29.2390	29.2390	
	42 1,1,1-Trichloroethane	97	3.734	3.734	(0.895)	229950	21.4248	21.4248	
	43 2-Butanone	72	3.761	3.761	(0.902)	102118	90.2632	90.2632(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.799	(0.911)	203961	20.0900	20.0900	
	45 1-Chlorobutane	41	3.821	3.821	(0.916)	131681	20.1694	20.1694	
	46 Heptane	71	3.887	3.887	(0.932)	112208	19.0237	19.0237	
	48 Propionitrile	54	3.941	3.941	(0.945)	124630	98.9350	98.9350	
	47 Benzene	78	3.941	3.941	(0.945)	608887	19.5126	19.5126	
	49 Methacrylonitrile	67	3.952	3.952	(0.948)	74368	19.6935	19.6935	
	50 tert-amyl methyl Ether	73	3.974	3.974	(0.953)	430748	20.1915	20.1915	
$	51 1,2-Dichloroethane-d4	65	4.012	4.018	(0.962)	249884	30.1918	30.1918(M)	MP
	54 Isobutyl alcohol	42	3.985	3.985	(0.956)	25797	137.215	137.215(QM)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	196137	19.9946	19.9946	
	53 tert-Amyl Alcohol	59	4.056	4.056	(0.973)	53626	80.8187	80.8187	
*	55 Fluorobenzene	96	4.170	4.170	(1.000)	995065	30.0000		
	56 Diisobutylene	57	4.176	4.176	(1.001)	285741	13.7701	13.7701	
	57 Trichloroethene	95	4.269	4.269	(1.024)	164362	20.8118	20.8118	
	58 Methyl cyclohexane	83	4.274	4.274	(0.692)	255504	20.6893	20.6893	
	59 tert-Amyl Ethylether	59	4.367	4.367	(1.047)	321542	17.4627	17.4627	
	60 Dibromomethane	93	4.525	4.525	(1.085)	98437	19.7166	19.7166	
	61 1,2-Dichloropropane	63	4.585	4.585	(1.099)	150384	20.0237	20.0237	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	186950	18.1091	18.1091	
	63 Methyl methacrylate	41	4.667	4.667	(1.119)	115098	19.3642	19.3642	
	65 2-Chloroethylvinyl ether	63	4.923	4.934	(1.181)	459	0.45323	0.453232(aQRM)	IH
	66 cis-1,3-Dichloropropene	75	4.994	4.994	(0.809)	225249	17.6709	17.6709	
	67 Octane	85	4.994	4.994	(0.809)	85350	18.2274	18.2274	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	912385	30.2684	30.2684	
	69 Toluene	92	5.153	5.152	(0.835)	368004	19.2618	19.2618	
	70 Chloroacetonitrile	75	5.213	5.213	(0.844)	42364	88.9488	88.9488	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	166744	80.8627	80.8627	
	72 1,1-Dichloro-2-propanone	63	5.311	5.311	(0.860)	16504	82.7890	82.7890(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	708947	94.5949	94.5949	
	75 trans-1,3-Dichloropropene	75	5.409	5.409	(0.876)	207589	17.5979	17.5979	
	74 Tetrachloroethene	164	5.409	5.409	(0.876)	132856	19.0969	19.0969	

Data File: 2524070128.D
Report Date: 02-Jul-2024 13:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	76 Ethyl methacrylate	69	5.480	5.480	(0.888)	199201	17.5049	17.5049	
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	117131	19.9541	19.9541	
	78 Chlorodibromomethane	129	5.649	5.649	(0.915)	140293	17.1042	17.1042	
	79 1,3-Dichloropropane	76	5.715	5.715	(0.926)	237478	20.4760	20.4760	
	80 1,2-Dibromoethane	107	5.829	5.829	(0.944)	140669	18.1535	18.1535	
	81 2-Hexanone	43	5.933	5.933	(0.961)	471630	91.8218	91.8218	
	82 1-Chlorohexane	91	6.146	6.140	(0.996)	196913	19.5915	19.5915	
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	380727	30.0000		
	85 Ethylbenzene	106	6.189	6.189	(1.003)	212940	18.6218	18.6218	
	84 Chlorobenzene	112	6.184	6.184	(1.002)	391135	20.0895	20.0895	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.222	(1.008)	131904	18.1470	18.1470	
	87 mp-Xylene	106	6.287	6.287	(1.019)	514118	37.5457	37.5457	
M	120 1,3-Dichloropropene, Total	75				432838	35.2688	35.2688	
	88 o-Xylene	106	6.609	6.609	(1.071)	242222	18.6949	18.6949	
	89 Styrene	104	6.648	6.648	(0.836)	375131	19.2129	19.2129	
	90 Bromoform	173	6.680	6.680	(0.840)	88429	16.1282	16.1282	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	608530	22.2233	22.2233	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	275493	29.8804	29.8804	
M	121 TOTAL XYLENES	106				756340	56.2406	56.2406	
	94 n-Propylbenzene	120	7.155	7.155	(0.900)	169358	21.0190	21.0190	
	93 Bromobenzene	156	7.155	7.155	(0.900)	160866	20.4156	20.4156	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.204	(0.906)	165670	21.1538	21.1538	
	97 1,3,5-Trimethylbenzene	105	7.302	7.302	(0.918)	464511	20.7145	20.7145	
	96 o-Chlorotoluene	91	7.291	7.291	(0.917)	448846	21.1731	21.1731	
	98 1,2,3-Trichloropropane	110	7.324	7.324	(0.921)	50396	19.9514	19.9514	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.346	(0.924)	42471	17.8599	17.8599	
	101 p-Chlorotoluene	91	7.417	7.417	(0.933)	406239	21.1564	21.1564	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	118181	22.0355	22.0355	
	103 Pentachloroethane	117	7.586	7.586	(0.954)	95556	17.9312	17.9312(QM)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.613	(0.957)	457846	19.1881	19.1881	
	105 sec-Butylbenzene	105	7.701	7.701	(0.968)	615488	22.2078	22.2078	
	106 p-Isopropyltoluene	134	7.810	7.810	(0.982)	132915	20.9422	20.9422	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	266620	20.0846	20.0846	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	333270	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	276436	19.9780	19.9780	
	111 n-Butylbenzene	134	8.159	8.159	(1.026)	115357	19.4495	19.4495(Q)	
	110 Benzyl Chloride	126	8.159	8.159	(1.026)	43066	13.3328	13.3328(Q)	
	112 Hexachloroethane	117	8.290	8.290	(1.043)	82087	17.5149	17.5149	
	113 1,2-Dichlorobenzene	146	8.312	8.312	(1.045)	254220	20.1043	20.1043	
	114 1,2-Dibromo-3-chloropropane	75	8.978	8.983	(1.129)	23613	16.0491	16.0491	
	115 Nitrobenzene	77	9.463	9.463	(1.190)	63675	142.062	142.062	
	116 Hexachlorobutadiene	225	9.523	9.523	(1.198)	74980	18.0845	18.0845	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	168828	20.1610	20.1610	
	118 Naphthalene	128	9.829	9.829	(1.236)	408236	16.7993	16.7993	
	119 1,2,3-Trichlorobenzene	180	9.981	9.981	(1.255)	150211	16.1636	16.1636	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

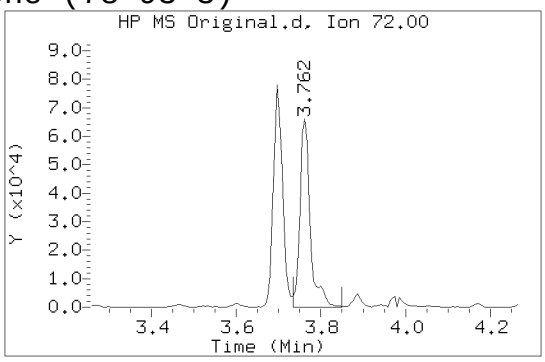

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Pentane+
-Ethyl Ether
-Carbon Disulfide
-Iodomethane
-Acrolein
-3-Chloro-1-propene+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile+
-Acrylonitrile
-n-Propanol+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Ethyl Acetate+
-Tetrahydrofuran+
-1,1-Dichloropropene+
-Heptane
-Propionitrile+
-1,2-Dichloroethane-d4+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
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-Toluene-d8
-Toluene+
-2-Nitropropane+
-4-Methyl-2-Pentanone(MIBK
-trans-1,3-Dichloropropene+
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-1,1,2-Trichloroethane
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
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Chlorobenzene-d5+
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-Styrene
-Bromoform
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-Isopropylbenzene
-4-Bromofluorobenzene
-n-Propylbenzene+
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-1,3,5-Trimethylbenzene+
-p-Chlorotoluene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene+
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-Hexachloroethane+
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-1,3-Dichloropropene, Tota
-Total Xylenes+
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-1,2,4-Trichlorobenzene
-Naphthalene
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Column phase: DB-VRX
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Operator: THP
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Page 1

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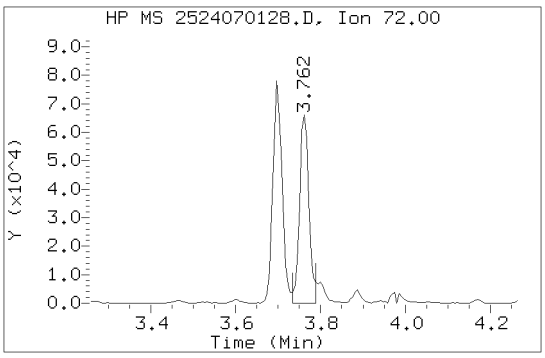
2-Butanone (78-93-3)

Reason Code: MP

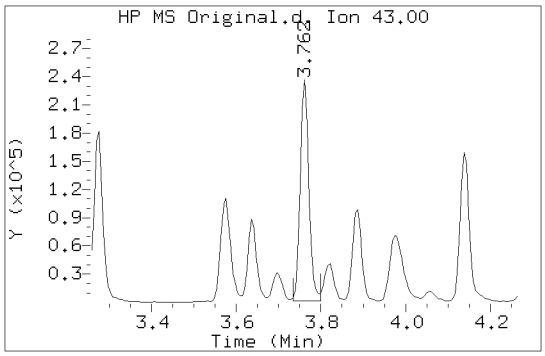
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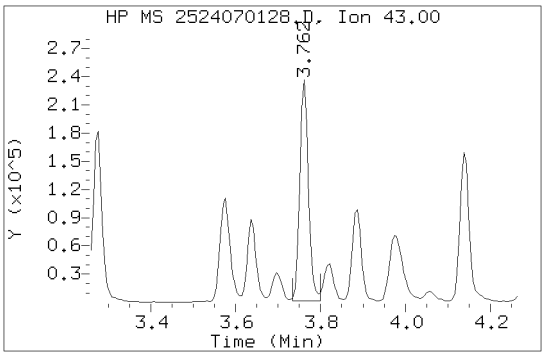
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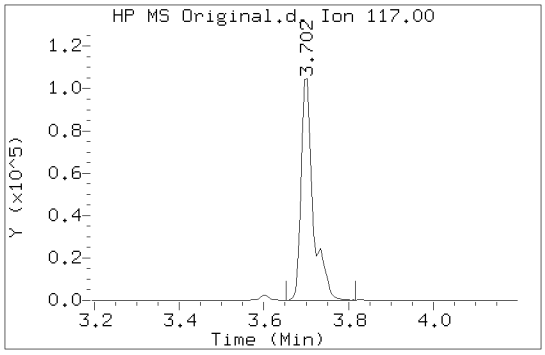
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MASS
43
AREA
334973
HEIGHT
235147
02-Jul-2024
13:12



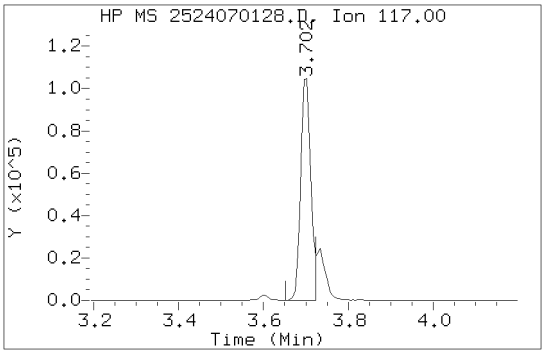
Carbon Tetrachloride (56-23-5)

Reason Code: MP

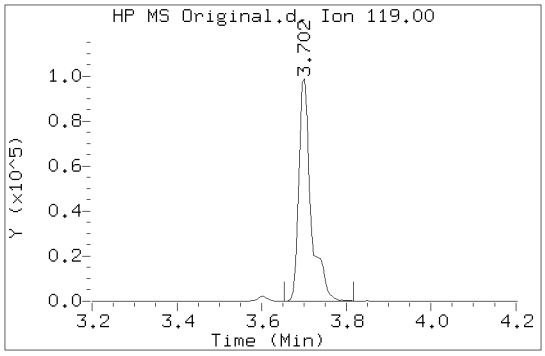
BEFORE
MASS
117
AREA
208677
HEIGHT
104624
01-Jul-2024
19:53



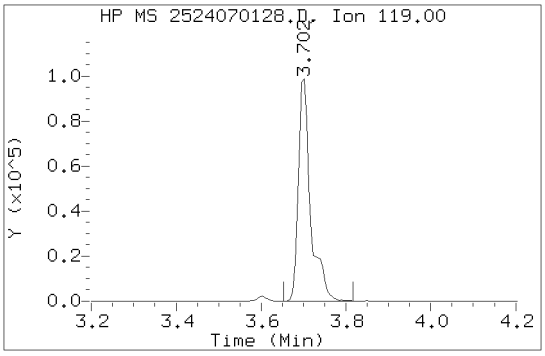
AFTER
MASS
117
AREA
175499
HEIGHT
104624
02-Jul-2024
13:12



BEFORE
MASS
119
AREA
199213
HEIGHT
98808
01-Jul-2024
19:53



AFTER
MASS
119
AREA
199213
HEIGHT
98808
02-Jul-2024
13:12

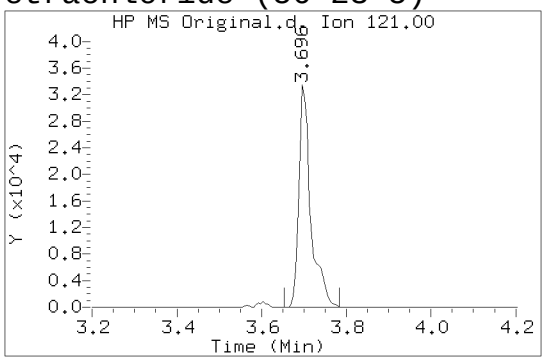


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Inj Date : 01-JUL-2024 19:04
InstruID : ms25.i
LabSampID : 3846787

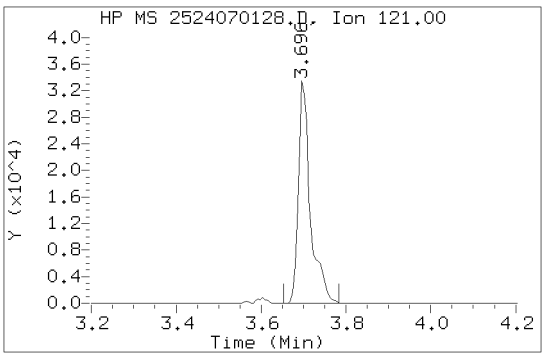
Carbon Tetrachloride (56-23-5)

Reason Code: MP

BEFORE
MASS
121
AREA
65382
HEIGHT
33464
01-Jul-2024
19:53



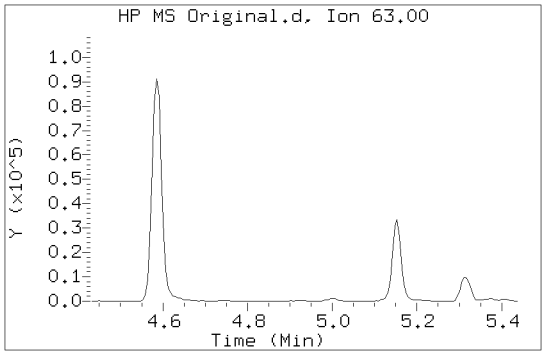
AFTER
MASS
121
AREA
65382
HEIGHT
33464
02-Jul-2024
13:12



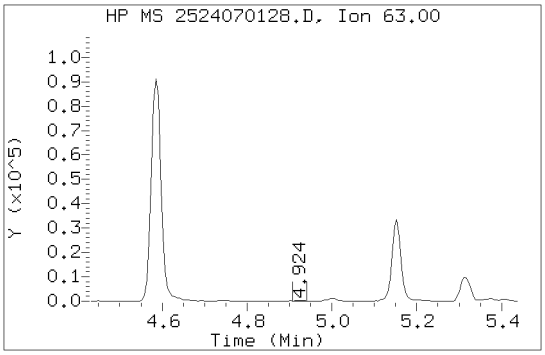
2-Chloroethylvinyl ether (110-75-8)

Reason Code: IH

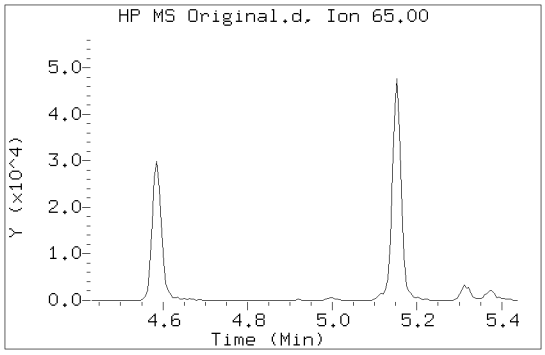
BEFORE
MASS
63
AREA
0
HEIGHT
0
01-Jul-2024
19:53



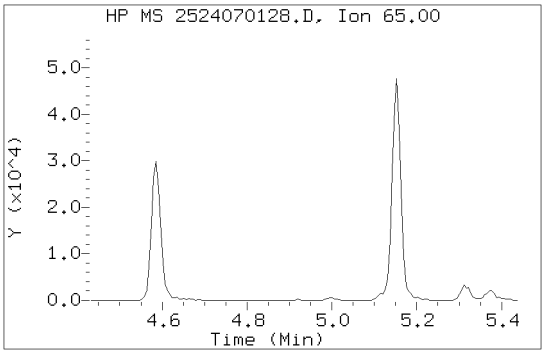
AFTER
MASS
63
AREA
459
HEIGHT
346
02-Jul-2024
13:12



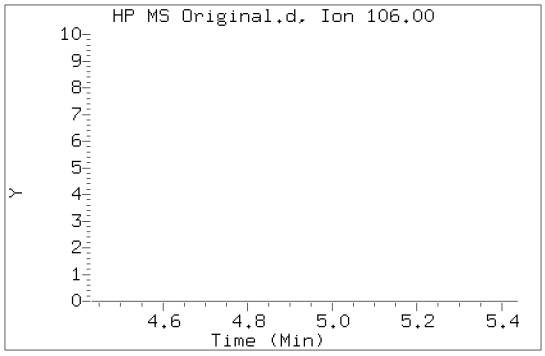
BEFORE
MASS
65
AREA
0
HEIGHT
0
01-Jul-2024
19:53



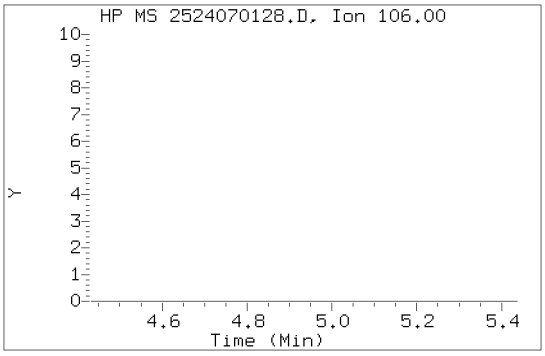
AFTER
MASS
65
AREA
0
HEIGHT
0
02-Jul-2024
13:12



BEFORE
MASS
106
AREA
0
HEIGHT
0
01-Jul-2024
19:53



AFTER
MASS
106
AREA
0
HEIGHT
0
02-Jul-2024
13:12

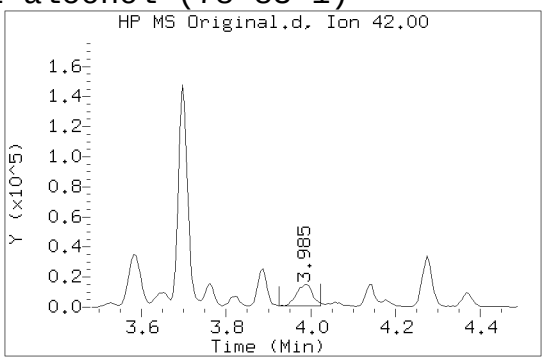


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Inj Date : 01-JUL-2024 19:04
InstruID : ms25.i
LabSampID : 3846787

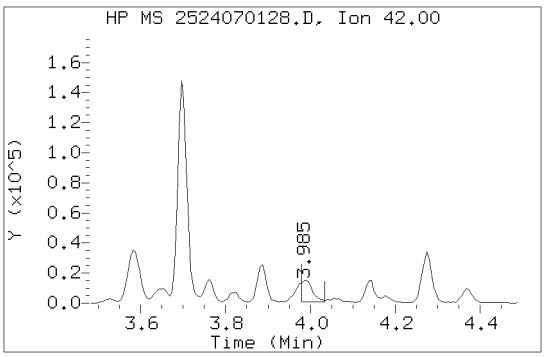
Isobutyl alcohol (78-83-1)

Reason Code: MP

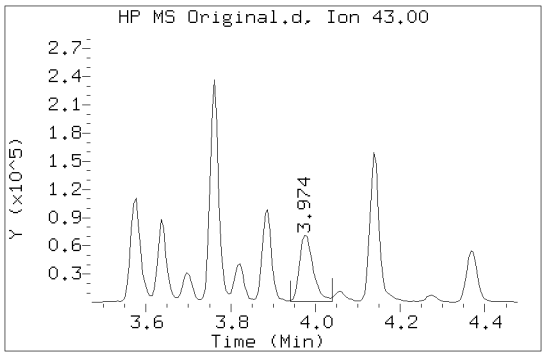
BEFORE
MASS
42
AREA
37782
HEIGHT
14106
01-Jul-2024
19:53



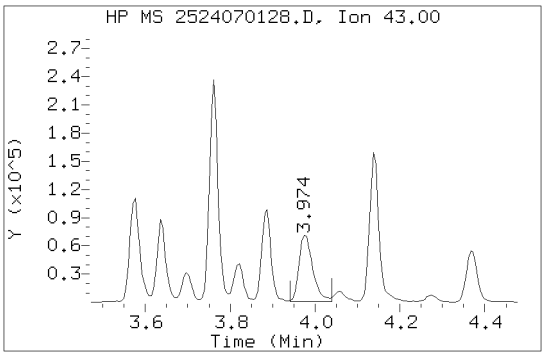
AFTER
MASS
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AREA
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HEIGHT
14070
02-Jul-2024
13:12



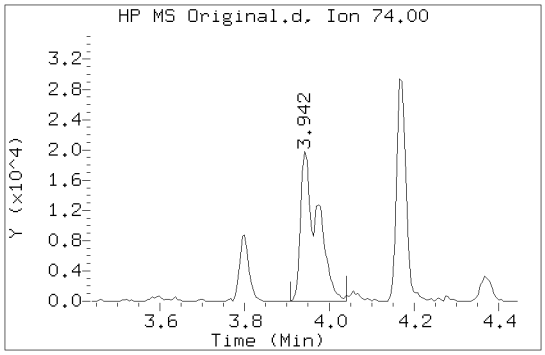
BEFORE
MASS
43
AREA
160252
HEIGHT
70226
01-Jul-2024
19:53



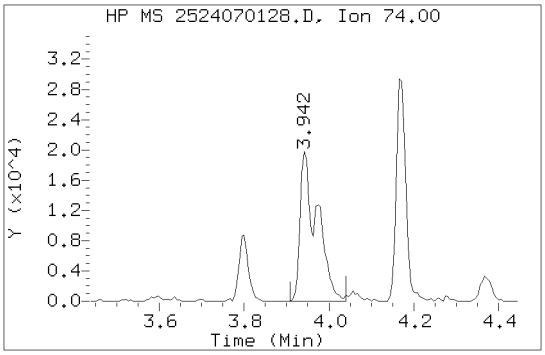
AFTER
MASS
43
AREA
160252
HEIGHT
70226
02-Jul-2024
13:12



BEFORE
MASS
74
AREA
55428
HEIGHT
19832
01-Jul-2024
19:53



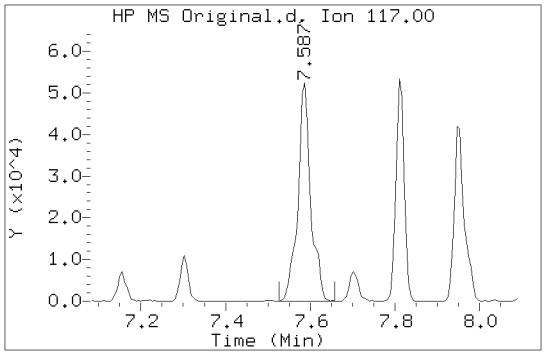
AFTER
MASS
74
AREA
55428
HEIGHT
19832
02-Jul-2024
13:12



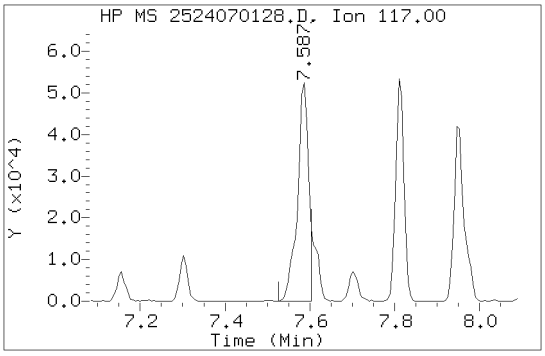
Pentachloroethane (76-01-7)

Reason Code: MP

BEFORE
MASS
117
AREA
110582
HEIGHT
52456
01-Jul-2024
19:53



AFTER
MASS
117
AREA
95556
HEIGHT
52456
02-Jul-2024
13:12

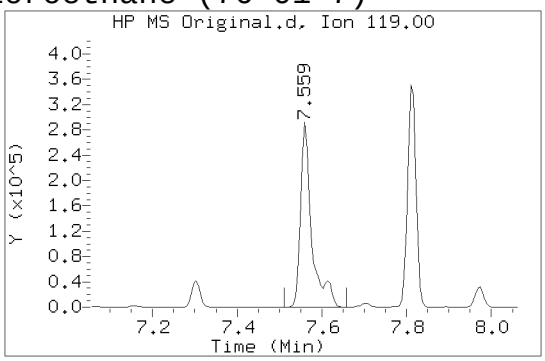


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Inj Date : 01-JUL-2024 19:04
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LabSampID : 3846787

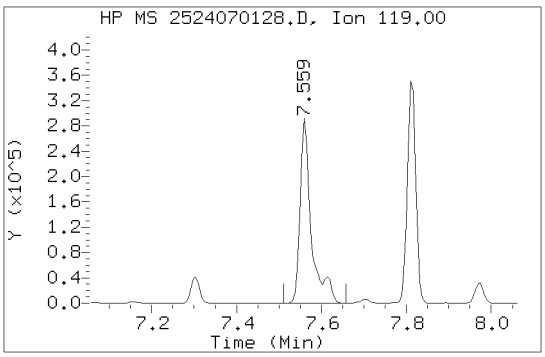
Pentachloroethane (76-01-7)

Reason Code: MP

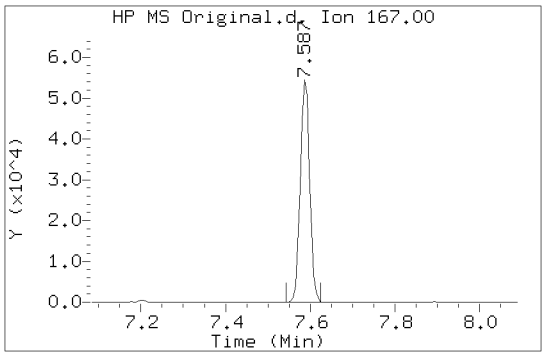
BEFORE
MASS
119
AREA
537117
HEIGHT
292544
01-Jul-2024
19:53



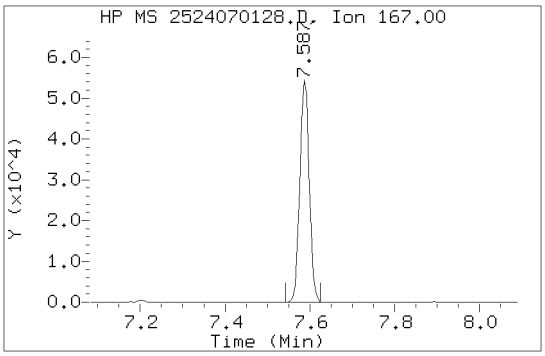
AFTER
MASS
119
AREA
537117
HEIGHT
292544
02-Jul-2024
13:12



BEFORE
MASS
167
AREA
83919
HEIGHT
54464
01-Jul-2024
19:53



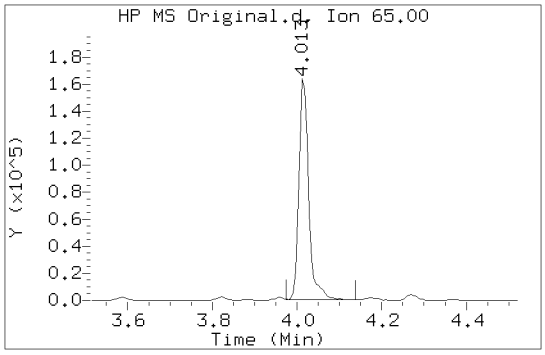
AFTER
MASS
167
AREA
83919
HEIGHT
54464
02-Jul-2024
13:12



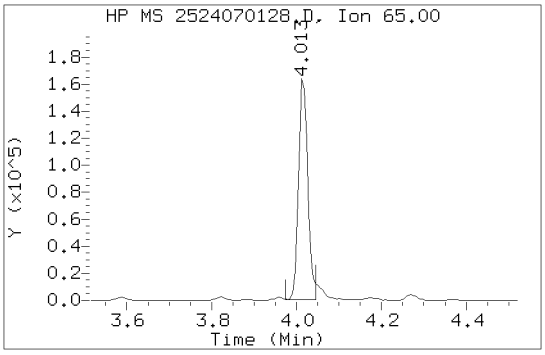
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

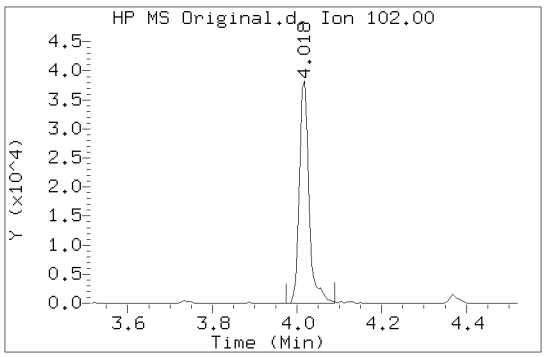
BEFORE
MASS
65
AREA
262517
HEIGHT
163514
01-Jul-2024
19:53



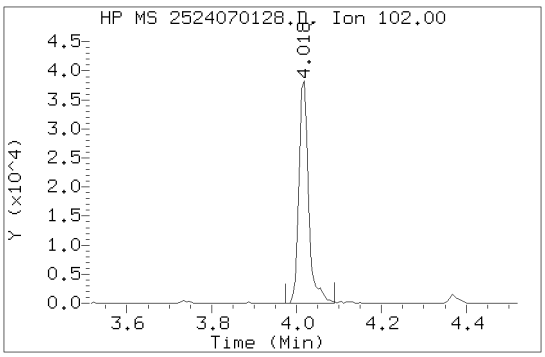
AFTER
MASS
65
AREA
249884
HEIGHT
163514
02-Jul-2024
13:12



BEFORE
MASS
102
AREA
61097
HEIGHT
38264
01-Jul-2024
19:53



AFTER
MASS
102
AREA
61097
HEIGHT
38264
02-Jul-2024
13:12



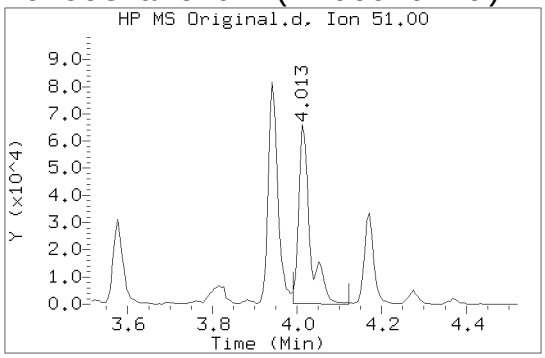
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Inj Date : 01-JUL-2024 19:04
InstruID : ms25.i
LabSampID : 3846787

1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

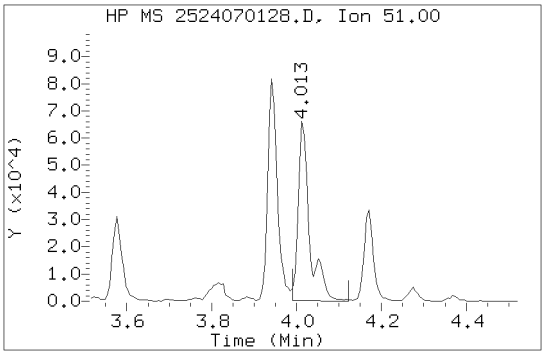
BEFORE

MASS
51
AREA
124237
HEIGHT
65925
01-Jul-2024
19:53



AFTER

MASS
51
AREA
124237
HEIGHT
65925
02-Jul-2024
13:12



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:12
Client ID: 3366030001MSD
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/252407012
Inj Date: 01-JUL-2024 19:04
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2524070129.D
Report Date: 02-Jul-2024 13:12

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\2524070129.D
Lab Smp Id: 1801
Inj Date : 01-JUL-2024 19:24
Operator : TMP Inst ID: ms25.i
Smp Info : 1801;;1;;;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240701.b\25-8260b09D.m
Meth Date : 01-Jul-2024 09:38 tmp Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 28 QC Sample: ENDCCV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	498834	46.0686	46.0686	
2	Chloromethane	50	1.644	1.644	(0.394)	488258	51.6374	51.6374	
3	Vinyl Chloride	62	1.704	1.704	(0.409)	614565	50.2062	50.2062	
4	Bromomethane	94	1.922	1.922	(0.461)	346665	59.2478	59.2478	
5	Chloroethane	64	2.004	2.004	(0.481)	407974	49.3376	49.3376	
6	Pentane	41	2.091	2.091	(0.502)	253895	32.9262	32.9262	
7	Trichlorofluoromethane	101	2.097	2.097	(0.503)	806394	48.0948	48.0948	
8	Dichlorofluoromethane	67	2.124	2.124	(0.509)	803442	51.7876	51.7876	
9	Ethyl Ether	74	2.277	2.277	(0.546)	238870	50.6319	50.6319	
10	1,1-Dichloroethene	61	2.413	2.413	(0.579)	466732	49.5776	49.5776	
12	Carbon Disulfide	76	2.446	2.446	(0.587)	980791	48.2955	48.2955	
11	Freon 113	101	2.424	2.424	(0.581)	312515	47.1968	47.1968	
13	Iodomethane	127	2.506	2.506	(0.601)	177573	48.6684	48.6684	
14	Acrolein	56	2.599	2.599	(0.623)	346073	227.904	227.904	
16	3-Chloro-1-propene	41	2.681	2.681	(0.643)	393205	47.9398	47.9398	
15	Isopropyl Alcohol	45	2.653	2.648	(0.636)	114964	231.381	231.381	
17	Methylene Chloride	84	2.741	2.741	(0.657)	396198	51.5219	51.5219	
18	Acetone	58	2.752	2.752	(0.660)	196873	231.076	231.076	
19	Methyl acetate	74	2.812	2.812	(0.674)	83692	47.8030	47.8030	
20	trans-1,2-Dichloroethene	61	2.828	2.828	(0.678)	486325	52.7435	52.7435	
21	Hexane	57	2.861	2.866	(0.686)	652924	42.5264	42.5264	

Data File: 2524070129.D
Report Date: 02-Jul-2024 13:12

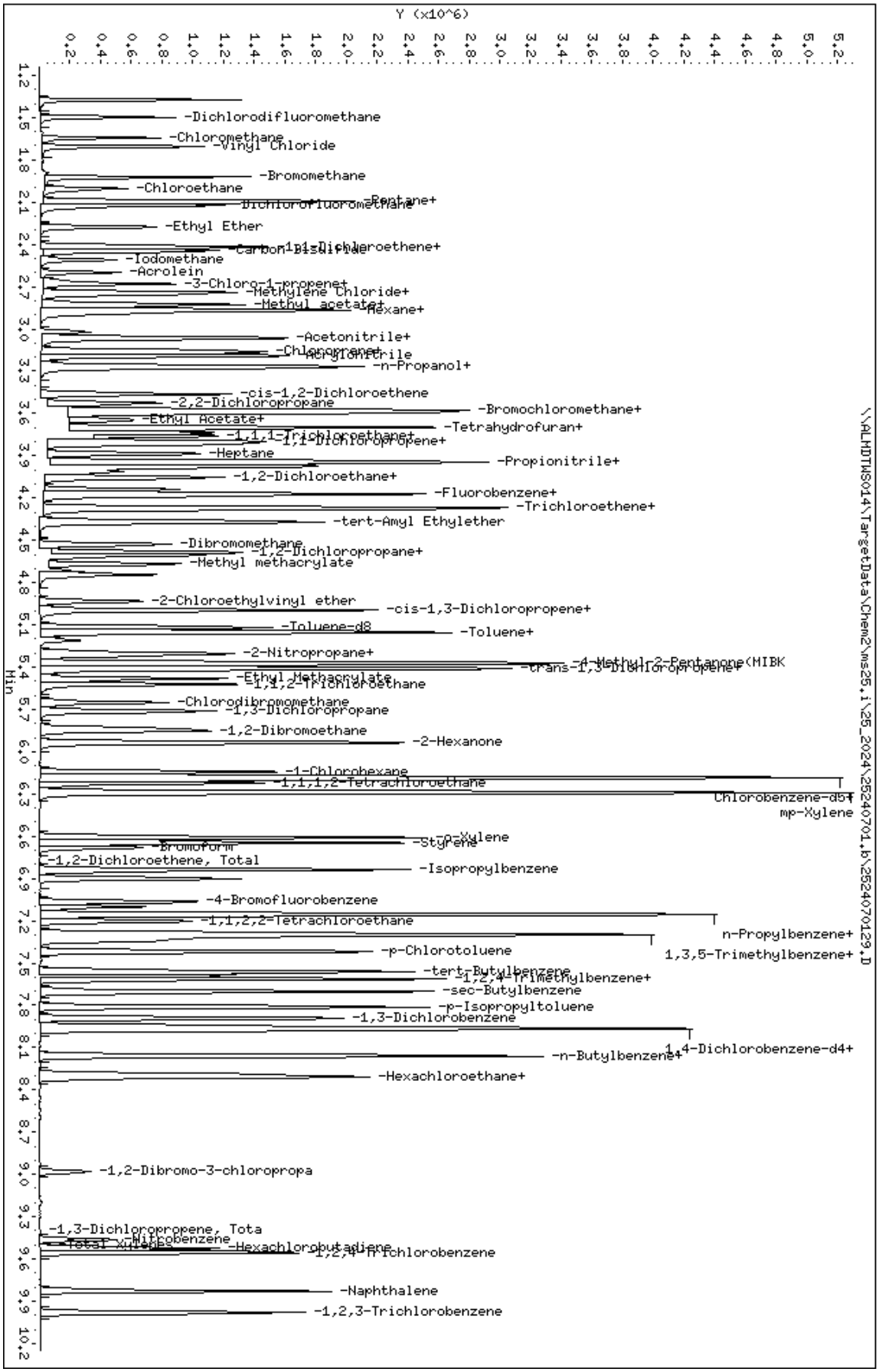
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	1152057	48.7080	48.7080	
	23 tert.- Butyl Alcohol	59	2.894	2.894	(0.694)	206486	242.775	242.775	
	24 Acetonitrile	41	3.019	3.019	(0.724)	250935	263.391	263.391	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	1115640	54.5178	54.5178	
	26 Chloroprene	53	3.155	3.155	(0.757)	569907	54.9316	54.9316	
	27 1,1-Dichloroethane	63	3.172	3.166	(0.761)	680931	54.2058	54.2058	
	28 Acrylonitrile	53	3.188	3.188	(0.765)	862284	263.567	263.567	
	30 n-Propanol	41	3.265	3.265	(0.783)	208424	516.984	516.984(Q)	
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	1190647	54.7819	54.7819	
	31 Vinyl acetate	86	3.275	3.275	(0.785)	95017	44.3568	44.3568(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.461	(0.830)	518743	55.4853	55.4853	
	33 2,2-Dichloropropane	77	3.526	3.526	(0.846)	429594	42.9079	42.9079	
M	100 1,2-Dichloroethene, Total	61				1005068	108.229	108.229	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	221828	55.0202	55.0202	
	35 Cyclohexane	84	3.586	3.586	(0.860)	557137	49.6649	49.6649	
	36 Chloroform	83	3.597	3.597	(0.863)	737747	54.4019	54.4019	
	37 Ethyl acetate	43	3.636	3.636	(0.872)	385633	47.4214	47.4214	
	38 Methyl acrylate	55	3.657	3.652	(0.877)	391111	51.9511	51.9511	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	460462	46.1963	46.1963(M)	MP
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	581183	252.520	252.520	
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	220502	28.5570	28.5570	
	42 1,1,1-Trichloroethane	97	3.734	3.734	(0.895)	573847	54.3658	54.3658	
	43 2-Butanone	72	3.761	3.761	(0.902)	274431	246.654	246.654(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.799	(0.911)	525343	52.6165	52.6165	
	45 1-Chlorobutane	41	3.821	3.821	(0.916)	324991	50.6159	50.6159	
	46 Heptane	71	3.887	3.887	(0.932)	234748	40.4687	40.4687	
	48 Propionitrile	54	3.941	3.941	(0.945)	326501	263.547	263.547	
	47 Benzene	78	3.941	3.941	(0.945)	1594198	51.9478	51.9478	
	49 Methacrylonitrile	67	3.952	3.952	(0.948)	195071	52.5264	52.5264	
	50 tert-amyl methyl Ether	73	3.974	3.974	(0.953)	1123478	53.5497	53.5497	
$	51 1,2-Dichloroethane-d4	65	4.012	4.018	(0.962)	240797	29.5834	29.5834(QM)	MP
	54 Isobutyl alcohol	42	3.985	3.985	(0.956)	92586	490.108	490.108(QM)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	499737	51.8014	51.8014	
	53 tert-Amyl Alcohol	59	4.056	4.056	(0.973)	165289	253.295	253.295	
*	55 Fluorobenzene	96	4.170	4.170	(1.000)	978599	30.0000		
	56 Diisobutylene	57	4.176	4.176	(1.001)	900701	47.4633	47.4633	
	57 Trichloroethene	95	4.269	4.269	(1.024)	414971	53.4284	53.4284	
	58 Methyl cyclohexane	83	4.274	4.274	(0.692)	608754	50.3421	50.3421	
	59 tert-Amyl Ethylether	59	4.367	4.367	(1.047)	905838	49.5349	49.5349	
	60 Dibromomethane	93	4.525	4.525	(1.085)	262807	53.5250	53.5250	
	61 1,2-Dichloropropane	63	4.585	4.585	(1.099)	400701	54.2513	54.2513	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	501254	48.8023	48.8023	
	63 Methyl methacrylate	41	4.667	4.667	(1.119)	319532	54.6629	54.6629	
	65 2-Chloroethylvinyl ether	63	4.934	4.934	(1.183)	256232	47.4218	47.4218	
	66 cis-1,3-Dichloropropene	75	4.994	4.994	(0.809)	622674	49.3751	49.3751	
	67 Octane	85	5.000	4.994	(0.810)	192550	41.9958	41.9958	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	871544	29.5285	29.5285	
	69 Toluene	92	5.152	5.152	(0.835)	958958	51.2608	51.2608	
	70 Chloroacetonitrile	75	5.213	5.213	(0.844)	119639	256.541	256.541	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	488304	238.119	238.119	
	72 1,1-Dichloro-2-propanone	63	5.311	5.311	(0.860)	43897	221.559	221.559(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	1920002	259.853	259.853	
	75 trans-1,3-Dichloropropene	75	5.409	5.409	(0.876)	570219	48.8317	48.8317	
	74 Tetrachloroethene	164	5.409	5.409	(0.876)	376835	55.3191	55.3191	

Data File: 2524070129.D Page 3
Report Date: 02-Jul-2024 13:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	76 Ethyl methacrylate	69	5.480	5.480	(0.888)	565777	50.1753	50.1753	
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	306716	53.3627	53.3627	
	78 Chlorodibromomethane	129	5.649	5.649	(0.915)	399400	49.0267	49.0267	
	79 1,3-Dichloropropane	76	5.715	5.715	(0.926)	639638	56.3245	56.3245	
	80 1,2-Dibromoethane	107	5.829	5.829	(0.944)	384000	50.1910	50.1910	
	81 2-Hexanone	43	5.933	5.933	(0.961)	1280419	252.621	252.621	
	82 1-Chlorohexane	91	6.146	6.140	(0.996)	494948	50.2915	50.2915	
*	83 Chlorobenzene-d5	82	6.173	6.173	(1.000)	372797	30.0000		
	85 Ethylbenzene	106	6.189	6.189	(1.003)	557843	50.0465	50.0465	
	84 Chlorobenzene	112	6.184	6.184	(1.002)	1025816	53.8087	53.8087	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.222	(1.008)	359830	49.9897	49.9897	
	87 mp-Xylene	106	6.287	6.287	(1.019)	1335268	100.898	100.898	
M	120 1,3-Dichloropropene, Total	75				1192893	98.2069	98.2069	
	88 o-Xylene	106	6.609	6.609	(1.071)	636634	50.1813	50.1813	
	89 Styrene	104	6.648	6.648	(0.836)	1024295	51.1154	51.1154	
	90 Bromoform	173	6.680	6.680	(0.840)	262489	46.4062	46.4062	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	1469336	52.6006	52.6006	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	271232	28.9415	28.9415	
M	121 TOTAL XYLENES	106				1971902	151.079	151.079	
	94 n-Propylbenzene	120	7.155	7.155	(0.900)	448854	54.8043	54.8043	
	93 Bromobenzene	156	7.155	7.155	(0.900)	430193	53.7113	53.7113	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.204	(0.906)	444566	55.8452	55.8452	
	97 1,3,5-Trimethylbenzene	105	7.302	7.302	(0.918)	1248960	54.7937	54.7937	
	96 o-Chlorotoluene	91	7.291	7.291	(0.917)	1203792	55.8653	55.8653	
	98 1,2,3-Trichloropropane	110	7.324	7.324	(0.921)	138162	53.8108	53.8108	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.346	(0.924)	111145	45.5244	45.5244(Q)	
	101 p-Chlorotoluene	91	7.417	7.417	(0.933)	1096825	56.1956	56.1956	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	305260	55.9950	55.9950	
	103 Pentachloroethane	117	7.586	7.586	(0.954)	253240	46.2813	46.2813(QM)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.613	(0.957)	1257214	52.0945	52.0945	
	105 sec-Butylbenzene	105	7.701	7.701	(0.968)	1610841	57.1797	57.1797	
	106 p-Isopropyltoluene	134	7.810	7.810	(0.982)	356870	55.3176	55.3176	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	747542	55.4001	55.4001	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	338760	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	757636	53.8670	53.8670	
	111 n-Butylbenzene	134	8.159	8.159	(1.026)	316302	52.4652	52.4652(Q)	
	110 Benzyl Chloride	126	8.159	8.159	(1.026)	111561	33.2513	33.2513(Q)	
	112 Hexachloroethane	117	8.290	8.290	(1.043)	239023	49.4484	49.4484	
	113 1,2-Dichlorobenzene	146	8.312	8.312	(1.045)	709485	55.1983	55.1983	
	114 1,2-Dibromo-3-chloropropane	75	8.977	8.983	(1.129)	69900	45.9472	45.9472	
	115 Nitrobenzene	77	9.463	9.463	(1.190)	218048	442.829	442.829	
	116 Hexachlorobutadiene	225	9.523	9.523	(1.198)	199304	46.8849	46.8849	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	453207	53.2436	53.2436	
	118 Naphthalene	128	9.829	9.829	(1.236)	1193032	47.6983	47.6983	
	119 1,2,3-Trichlorobenzene	180	9.981	9.981	(1.255)	455034	47.5925	47.5925	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

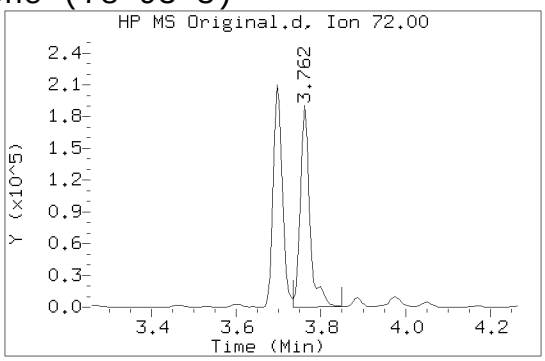

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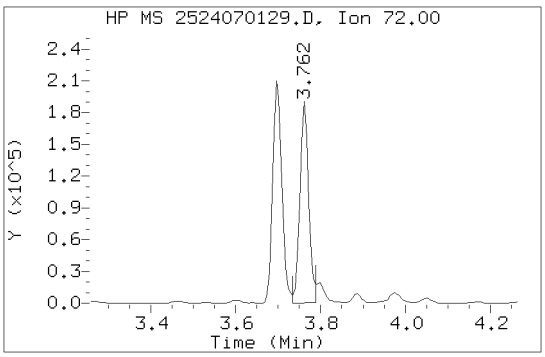
2-Butanone (78-93-3)

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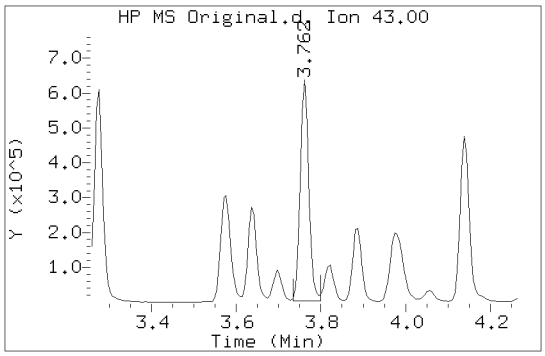
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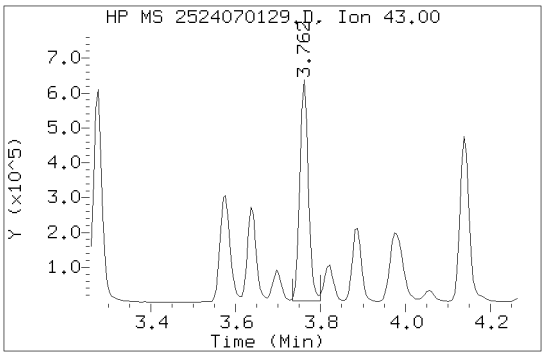
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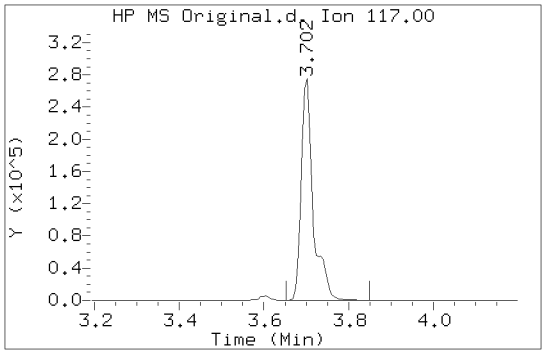
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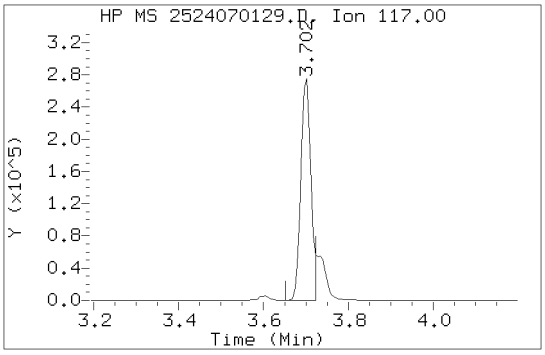
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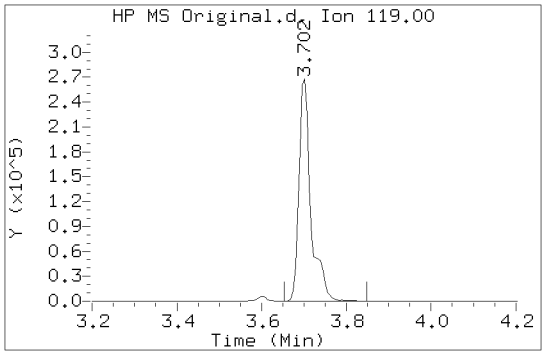
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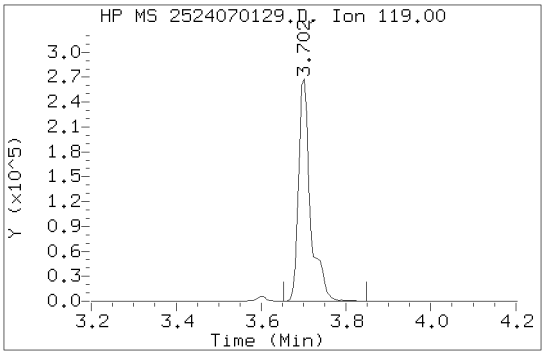
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AFTER
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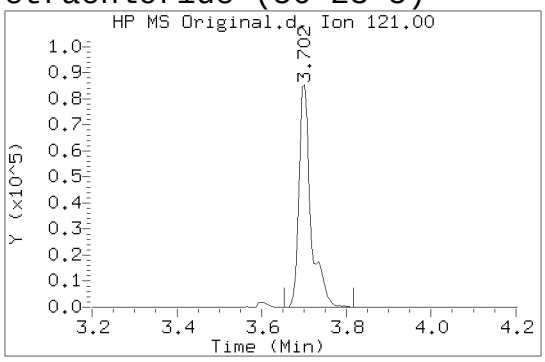


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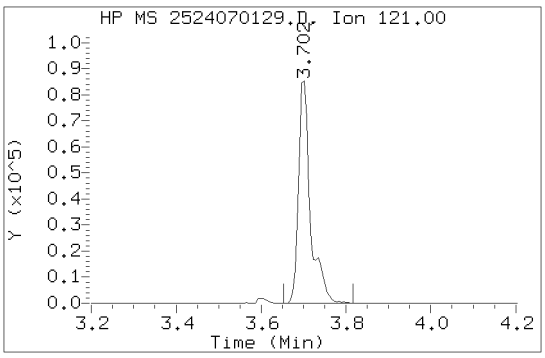
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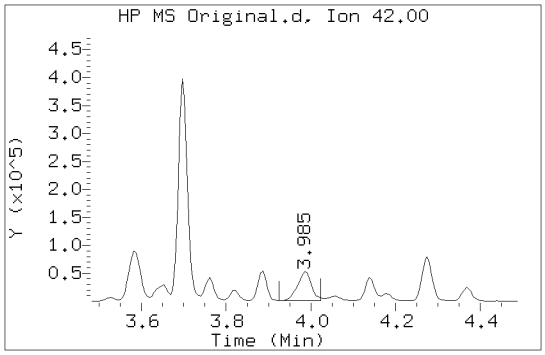
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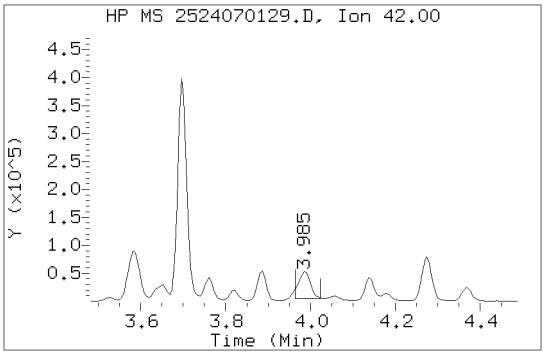
Isobutyl alcohol (78-83-1)

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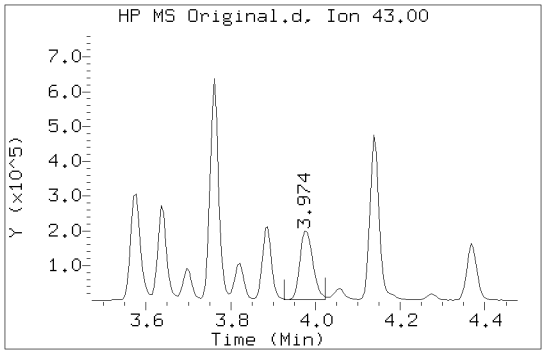
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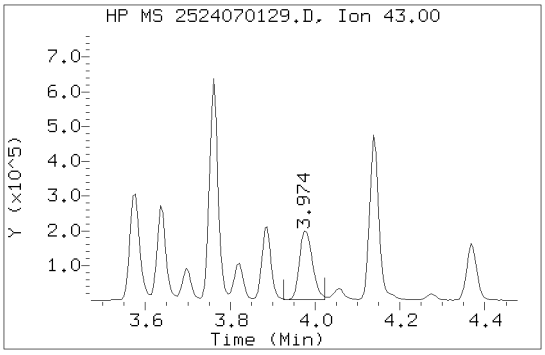
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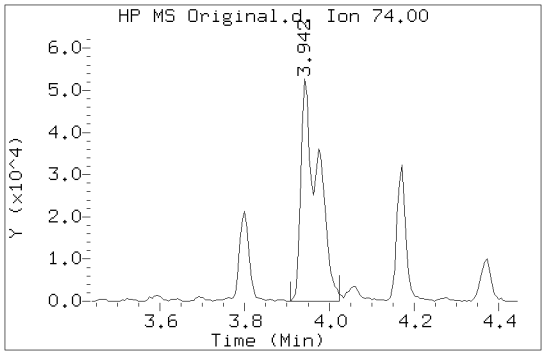
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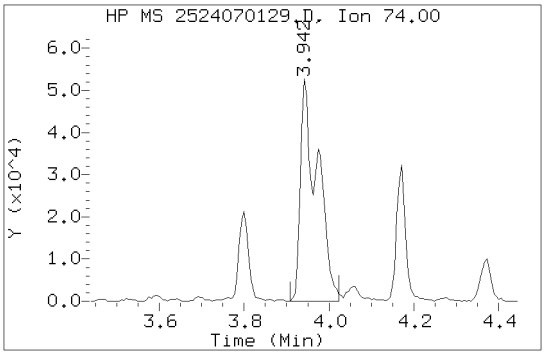
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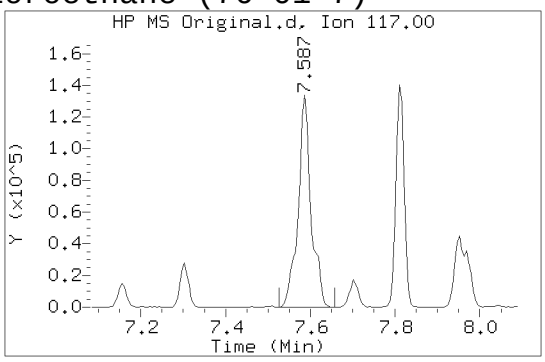


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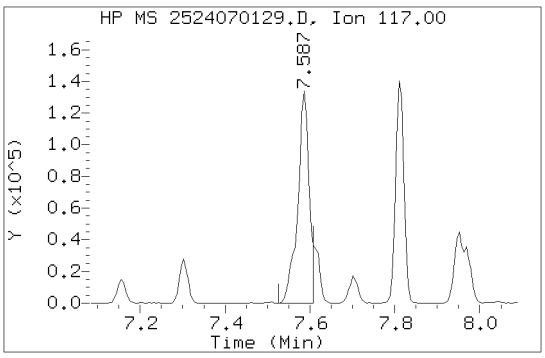
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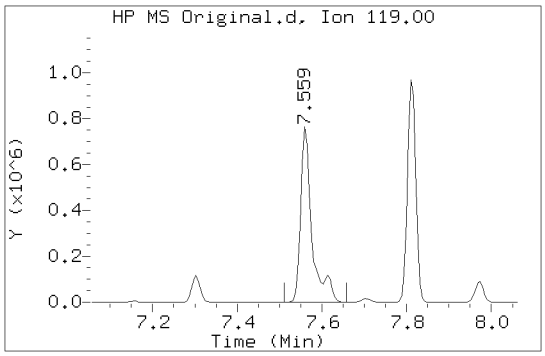
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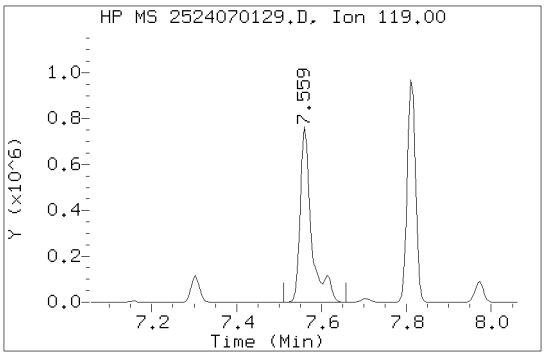
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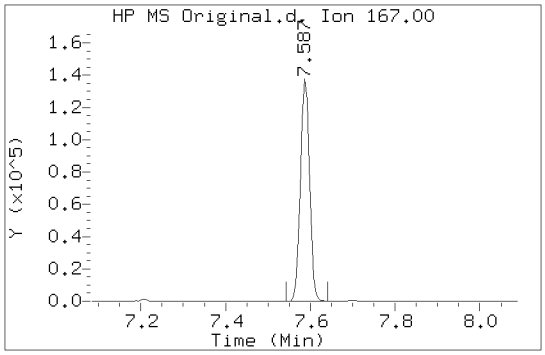
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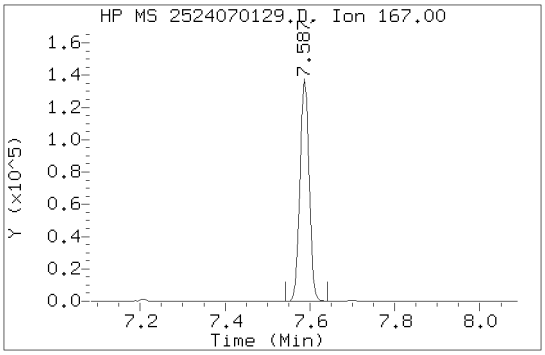
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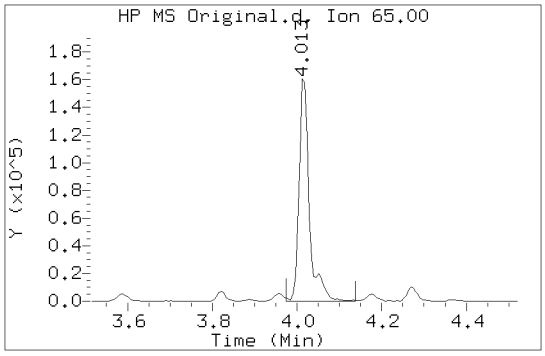
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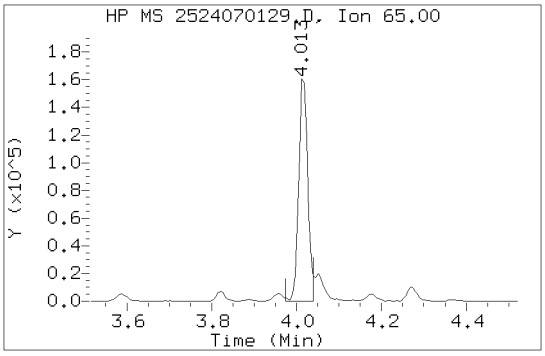
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Reason Code: MP

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01-Jul-2024
19:57



AFTER
MASS
65
AREA
240797
HEIGHT
160470
02-Jul-2024
13:12

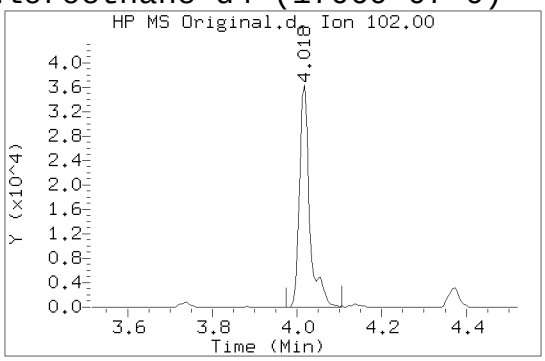


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Inj Date : 01-JUL-2024 19:24
InstruID : ms25.i
LabSampID : 1801

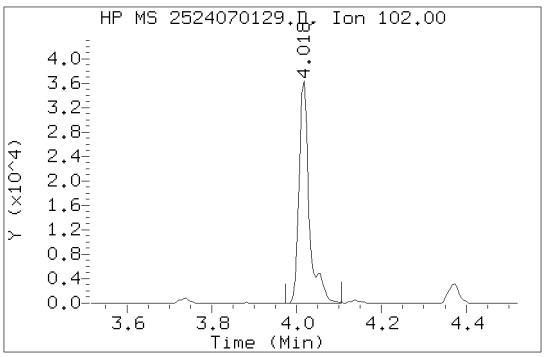
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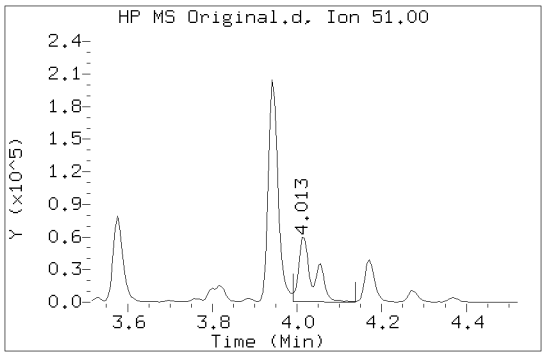
BEFORE
MASS
102
AREA
61449
HEIGHT
36400
01-Jul-2024
19:57



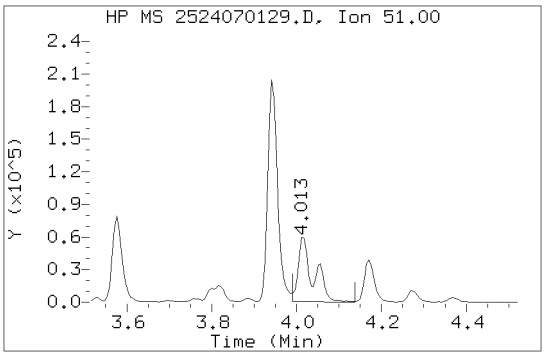
AFTER
MASS
102
AREA
61449
HEIGHT
36400
02-Jul-2024
13:12



BEFORE
MASS
51
AREA
147490
HEIGHT
59202
01-Jul-2024
19:57



AFTER
MASS
51
AREA
147490
HEIGHT
59202
02-Jul-2024
13:12



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 13:12
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240701.b/252407012
Inj Date: 01-JUL-2024 19:24
Operator: TMP

There were no Unassigned peaks in this sample!

HS24061330 LHAAP ICT Wells COVER PAGE REV01

ALS WO# HS24061330

ALS Environmental
ALS Group USA, Corp
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Form 3 - ICPMS05_471259 CCB
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Form 3 - ICPMS05_471442 CCB
Form 4 - ICPMS05_471259 ICSA
Form 4 - ICPMS05_471291 ICSA
Form 4 - ICPMS05_471442 ICSA
Form 5A - HG04_471330 MS

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WorkOrder: HS24061330

LHAAP / ICT Wells

Bhate Environmental Associates, Inc.

Marcia Olive
445 Union Blvd Ste 129
Lakewood CO 80228

13-Sep-2024

HS24061330 LHAAP ICT Wells Final REV01

ALS WO# HS24061330

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T: +1 281 530 5656
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September 07, 2024

Marcia Olive
Bhate Environmental Associates, Inc.
445 Union Blvd Ste 129
Lakewood, CO 80228

Work Order: **HS24061330**

Laboratory Results for: **LHAAP / ICT Wells**

Dear Marcia Olive,

ALS Environmental received 24 sample(s) on Jun 21, 2024 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

Generated By: JUMOKE.LAWAL
Luis.Aguilar

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Work Order: HS24061330

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24061330-01	ICT2_062024	Groundwater		20-Jun-2024 06:40	21-Jun-2024 09:15	☐
HS24061330-02	ICT4_062024	Groundwater		20-Jun-2024 06:54	21-Jun-2024 09:15	☐
HS24061330-03	ICT7_062024	Groundwater		20-Jun-2024 07:03	21-Jun-2024 09:15	☐
HS24061330-04	ICT8_062024	Groundwater		20-Jun-2024 07:12	21-Jun-2024 09:15	☐
HS24061330-05	ICT11_062024	Groundwater		20-Jun-2024 07:28	21-Jun-2024 09:15	☐
HS24061330-06	ICT12A_062024	Groundwater		20-Jun-2024 07:38	21-Jun-2024 09:15	☐
HS24061330-07	ICT12B_062024	Groundwater		20-Jun-2024 07:45	21-Jun-2024 09:15	☐
HS24061330-08	ICT12C_062024	Groundwater		20-Jun-2024 07:52	21-Jun-2024 09:15	☐
HS24061330-09	ICT12D_062024	Groundwater		20-Jun-2024 08:00	21-Jun-2024 09:15	☐
HS24061330-10	ICT12D_062024_a	Groundwater		20-Jun-2024 08:00	21-Jun-2024 09:15	☐
HS24061330-11	ICT12E_062024	Groundwater		20-Jun-2024 08:10	21-Jun-2024 09:15	☐
HS24061330-12	ICT13A_062024	Groundwater		20-Jun-2024 08:18	21-Jun-2024 09:15	☐
HS24061330-13	ICT13B_062024	Groundwater		20-Jun-2024 08:25	21-Jun-2024 09:15	☐
HS24061330-14	ICT13C_062024	Groundwater		20-Jun-2024 08:34	21-Jun-2024 09:15	☐
HS24061330-15	ICT13D_062024	Groundwater		20-Jun-2024 08:43	21-Jun-2024 09:15	☐
HS24061330-16	ICT13D_062024_a	Groundwater		20-Jun-2024 08:43	21-Jun-2024 09:15	☐
HS24061330-17	ICT13E_062024	Groundwater		20-Jun-2024 08:55	21-Jun-2024 09:15	☐
HS24061330-18	ICT13F_062024	Groundwater		20-Jun-2024 09:02	21-Jun-2024 09:15	☐
HS24061330-19	ICT14A_062024	Groundwater		20-Jun-2024 09:14	21-Jun-2024 09:15	☐
HS24061330-20	ICT14B_062024	Groundwater		20-Jun-2024 09:22	21-Jun-2024 09:15	☐
HS24061330-21	ICT14C_062024	Groundwater		20-Jun-2024 09:27	21-Jun-2024 09:15	☐
HS24061330-22	ICT14D_062024	Groundwater		20-Jun-2024 09:35	21-Jun-2024 09:15	☐
HS24061330-23	ICT14E_062024	Groundwater		20-Jun-2024 09:42	21-Jun-2024 09:15	☐
HS24061330-24	Trip Blank	Water		20-Jun-2024 00:00	21-Jun-2024 09:15	☐

Revision:1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc. **CASE NARRATIVE**
Project: LHAAP / ICT Wells
Work Order: HS24061330

Work Order Comments

• This report was revised 09/05/24 to correct the limit of detection values due to laboratory error.

Work Order Comments

• The analysis for Perchlorate was subcontracted to ALS High Res Lab Houston, TX. Final report attached.

• The analysis for VOCs was subcontracted to ALS Environmental in Middletown PA, MI. Final report attached.

Metals by Method SW7470A

Batch ID: 214537,214538

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method SW6020A

Batch ID: 214521

Sample ID: ICT12E_062024 (HS24061330-11)

• Sample ran at (5)X dilution due to sample matrix.

Sample ID: ICT8_062024 (HS24061330-04MS)

• The MS and/or MSD recovery was outside of the control limits; however, the result in the parent sample is greater than 4x the spike amount. (Barium,Manganese,Sodium)

• Zinc failed for MS and/or MSD but passed on PDS

Batch ID: 214353

Sample ID: HS24061247-01MS

• MS and MSD are for an unrelated sample

Sample ID: HS24061313-01MS

• MS and MSD are for an unrelated sample

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT2_062024
Collection Date: 20-Jun-2024 06:40

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 02-Jul-2024		Analyst: JC
Aluminum	**0.0666**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	05-Jul-2024 00:11
Antimony	**0.000973**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Arsenic	**0.00292**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Barium	**0.0490**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:11
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:11
Calcium	**2.47**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	05-Jul-2024 00:11
Chromium	**0.0168**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Cobalt	**0.00701**		**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Copper	**0.0203**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Iron	**5.74**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:11
Lead	**0.00982**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Magnesium	**1.98**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:11
Manganese	**0.165**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Nickel	**0.0159**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Potassium	**0.777**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:11
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	05-Jul-2024 00:11
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	05-Jul-2024 00:11
Sodium	**49.9**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:11
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:11
Vanadium	**0.00120**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
Zinc	**0.0347**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:11
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 12:55
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT4_062024
Collection Date: 20-Jun-2024 06:54

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 02-Jul-2024		Analyst: JC
Aluminum	**0.0106**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	05-Jul-2024 00:13
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	05-Jul-2024 00:13
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	05-Jul-2024 00:13
Barium	**0.0696**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:13
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:13
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:13
Calcium	**12.9**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	05-Jul-2024 00:13
Chromium	**0.00471**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:13
Cobalt	**0.00168**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	05-Jul-2024 00:13
Copper	**0.00173**	J	**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:13
Iron	**0.0735**	J	**0.0120**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:13
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	05-Jul-2024 00:13
Magnesium	**11.5**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:13
Manganese	**0.0580**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:13
Nickel	**0.0313**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:13
Potassium	**1.01**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:13
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	05-Jul-2024 00:13
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	05-Jul-2024 00:13
Sodium	**146**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:13
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:13
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	05-Jul-2024 00:13
Zinc	**0.0309**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:13
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:02
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT7_062024
Collection Date: 20-Jun-2024 07:03

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 02-Jul-2024		Analyst: JC
Aluminum	**0.141**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	05-Jul-2024 00:16
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	05-Jul-2024 00:16
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	05-Jul-2024 00:16
Barium	**0.0711**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:16
Beryllium	**0.000291**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	05-Jul-2024 00:16
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:16
Calcium	**1.82**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	05-Jul-2024 00:16
Chromium	**0.00556**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:16
Cobalt	**0.00124**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	05-Jul-2024 00:16
Copper	**0.00929**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:16
Iron	**0.576**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:16
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	05-Jul-2024 00:16
Magnesium	**1.40**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:16
Manganese	**0.0292**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:16
Nickel	**0.0391**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:16
Potassium	**0.655**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:16
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	05-Jul-2024 00:16
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	05-Jul-2024 00:16
Sodium	**10.4**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:16
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:16
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	05-Jul-2024 00:16
Zinc	**0.0277**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:16
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:03
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT8_062024
Collection Date: 20-Jun-2024 07:12

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0687**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 11:38
Antimony	**0.000983**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
Arsenic	**0.00166**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
Barium	**0.402**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:38
Cadmium	**0.000231**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 11:38
Calcium	**12.1**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 11:38
Chromium	**0.00607**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
Cobalt	**0.00251**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
Copper	**0.0584**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
Iron	**3.55**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:38
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 11:38
Magnesium	**9.60**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:38
Manganese	**0.386**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
Nickel	**0.0168**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
Potassium	**1.10**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:38
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 11:38
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 11:38
Sodium	**57.7**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:38
Thallium	**0.000543**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 11:38
Vanadium	**0.000809**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
Zinc	**0.188**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:38
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:05
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT11_062024
Collection Date: 20-Jun-2024 07:28

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 02-Jul-2024		Analyst: JC
Aluminum	**0.0104**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	05-Jul-2024 00:18
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	05-Jul-2024 00:18
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	05-Jul-2024 00:18
Barium	**0.168**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:18
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:18
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:18
Calcium	**5.27**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	05-Jul-2024 00:18
Chromium	**0.00514**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:18
Cobalt	**0.000266**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	05-Jul-2024 00:18
Copper	**0.00424**	J	**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:18
Iron	**0.0263**	J	**0.0120**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:18
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	05-Jul-2024 00:18
Magnesium	**3.43**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:18
Manganese	**0.0149**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:18
Nickel	**0.0135**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	05-Jul-2024 00:18
Potassium	**0.652**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:18
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	05-Jul-2024 00:18
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	05-Jul-2024 00:18
Sodium	**40.1**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	05-Jul-2024 00:18
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	05-Jul-2024 00:18
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	05-Jul-2024 00:18
Zinc	**0.0177**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	05-Jul-2024 00:18
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:10
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT12A_062024
Collection Date: 20-Jun-2024 07:38

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0296**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 11:49
Antimony	**0.00164**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
Arsenic	**0.000913**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
Barium	**0.382**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
Beryllium	**0.000953**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 11:49
Cadmium	**0.00190**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 11:49
Calcium	**6.20**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 11:49
Chromium	**0.0953**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
Cobalt	**0.0175**		**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
Copper	**0.0292**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
Iron	**1.71**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:49
Lead	**0.00221**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
Magnesium	**5.01**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:49
Manganese	**1.30**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
Nickel	**0.509**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
Potassium	**0.629**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:49
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 11:49
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 11:49
Sodium	**44.3**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:49
Thallium	**0.000218**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 11:49
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 11:49
Zinc	**0.255**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:49
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:13
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT12B_062024
Collection Date: 20-Jun-2024 07:45

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0579**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 11:51
Antimony	**0.000584**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:51
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 11:51
Barium	**0.155**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:51
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:51
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:51
Calcium	**10.1**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 11:51
Chromium	**0.00796**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:51
Cobalt	**0.000633**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 11:51
Copper	**0.0646**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:51
Iron	**0.226**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:51
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 11:51
Magnesium	**6.96**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:51
Manganese	**0.0184**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:51
Nickel	**0.0613**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:51
Potassium	**0.542**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:51
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 11:51
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 11:51
Sodium	**90.9**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:51
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:51
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 11:51
Zinc	**0.0158**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:51
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:15
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT12C_062024
Collection Date: 20-Jun-2024 07:52

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0249**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 11:53
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 11:53
Arsenic	**0.000618**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:53
Barium	**0.0780**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:53
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:53
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:53
Calcium	**2.26**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 11:53
Chromium	**0.101**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:53
Cobalt	**0.000514**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 11:53
Copper	**0.0138**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:53
Iron	**1.65**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:53
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 11:53
Magnesium	**1.68**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:53
Manganese	**0.00977**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:53
Nickel	**0.0114**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:53
Potassium	**0.199**	J	**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:53
Selenium	**0.00121**	J	**0.00110**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:53
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 11:53
Sodium	**32.3**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:53
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:53
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 11:53
Zinc	**0.0230**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:53
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:16
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT12D_062024
Collection Date: 20-Jun-2024 08:00

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0156**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 11:55
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 11:55
Arsenic	**0.00354**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:55
Barium	**0.120**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:55
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:55
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:55
Calcium	**7.90**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 11:55
Chromium	**0.00322**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:55
Cobalt	**0.0106**		**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 11:55
Copper	**0.0765**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:55
Iron	**6.08**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:55
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 11:55
Magnesium	**7.18**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:55
Manganese	**0.396**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:55
Nickel	**0.0139**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 11:55
Potassium	**0.325**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:55
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 11:55
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 11:55
Sodium	**26.8**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 11:55
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 11:55
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 11:55
Zinc	**0.0262**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 11:55
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:26
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT12D_062024_a
Collection Date: 20-Jun-2024 08:00

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-10
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0159**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:04
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:04
Arsenic	**0.00368**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:04
Barium	**0.125**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:04
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:04
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:04
Calcium	**8.13**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:04
Chromium	**0.00653**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:04
Cobalt	**0.0110**		**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:04
Copper	**0.0532**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:04
Iron	**5.37**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:04
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:04
Magnesium	**7.37**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:04
Manganese	**0.392**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:04
Nickel	**0.0121**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:04
Potassium	**0.339**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:04
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:04
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:04
Sodium	**27.2**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:04
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:04
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:04
Zinc	**0.0247**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:04
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:28
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT12E_062024
Collection Date: 20-Jun-2024 08:10

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-11
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0170**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:06
Antimony	**0.000590**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
Arsenic	**0.00420**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
Barium	**0.0471**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:06
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:06
Calcium	**7.43**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:06
Chromium	**0.00733**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
Cobalt	**0.0102**		**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
Copper	**0.0266**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
Iron	**21.0**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:06
Lead	0.00625	U	0.00300	0.00625	0.0250	mg/L	5	09-Jul-2024 13:09
Magnesium	**6.82**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:06
Manganese	**0.363**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
Nickel	**0.0285**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
Potassium	**0.750**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:06
Selenium	**0.00185**	J	**0.00110**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:06
Sodium	**97.9**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:06
Thallium	**0.00123**	J	**0.00100**	**0.00250**	**0.0100**	**mg/L**	5	09-Jul-2024 13:09
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:06
Zinc	**1.70**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:06
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:30
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT13A_062024
Collection Date: 20-Jun-2024 08:18

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-12
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.228**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:08
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:08
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:08
Barium	**0.0402**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:08
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:08
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:08
Calcium	**1.42**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:08
Chromium	**0.00960**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:08
Cobalt	**0.00200**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:08
Copper	**0.00858**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:08
Iron	**2.60**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:08
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:08
Magnesium	**1.18**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:08
Manganese	**0.0303**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:08
Nickel	**0.0296**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:08
Potassium	**0.314**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:08
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:08
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:08
Sodium	**23.9**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:08
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:08
Vanadium	**0.00121**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:08
Zinc	**0.0503**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:08
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:31
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT13B_062024
Collection Date: 20-Jun-2024 08:25

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-13
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.00956**	J	**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:10
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:10
Arsenic	**0.000515**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:10
Barium	**0.0309**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:10
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:10
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:10
Calcium	**3.76**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:10
Chromium	**0.0154**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:10
Cobalt	**0.000371**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:10
Copper	**0.00748**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:10
Iron	**0.783**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:10
Lead	**0.000879**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:10
Magnesium	**4.40**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:10
Manganese	**0.00958**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:10
Nickel	**0.00279**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:10
Potassium	**0.929**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:10
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:10
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:10
Sodium	**30.1**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:10
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:10
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:10
Zinc	**0.0174**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:10
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:33
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT13C_062024
Collection Date: 20-Jun-2024 08:34

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.00707**	J	**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:12
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:12
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:12
Barium	**0.0210**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:12
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:12
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:12
Calcium	**1.11**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:12
Chromium	**0.00101**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:12
Cobalt	**0.000245**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:12
Copper	**0.0102**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:12
Iron	**0.249**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:12
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:12
Magnesium	**0.745**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:12
Manganese	**0.0142**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:12
Nickel	**0.0101**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:12
Potassium	**0.561**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:12
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:12
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:12
Sodium	**9.09**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:12
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:12
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:12
Zinc	**0.0318**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:12
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:35
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT13D_062024
Collection Date: 20-Jun-2024 08:43

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0750**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:14
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:14
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:14
Barium	**0.0536**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:14
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:14
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:14
Calcium	**1.20**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:14
Chromium	**0.00379**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:14
Cobalt	**0.00112**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:14
Copper	**0.0348**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:14
Iron	**0.271**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:14
Lead	**0.00224**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:14
Magnesium	**1.03**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:14
Manganese	**0.0122**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:14
Nickel	**0.00874**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:14
Potassium	**0.337**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:14
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:14
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:14
Sodium	**11.9**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:14
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:14
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:14
Zinc	**0.0381**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:14
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:36
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT13D_062024_a
Collection Date: 20-Jun-2024 08:43

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-16
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.104**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:16
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:16
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:16
Barium	**0.0571**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:16
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:16
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:16
Calcium	**1.31**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:16
Chromium	**0.00350**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:16
Cobalt	**0.00119**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:16
Copper	**0.0319**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:16
Iron	**0.251**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:16
Lead	**0.00180**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:16
Magnesium	**1.12**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:16
Manganese	**0.0118**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:16
Nickel	**0.00743**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:16
Potassium	**0.364**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:16
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:16
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:16
Sodium	**12.7**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:16
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:16
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:16
Zinc	**0.0337**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:16
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	**0.0000330**	J	**0.0000300**	**0.000100**	**0.000200**	**mg/L**	1	05-Jul-2024 13:38
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT13E_062024
Collection Date: 20-Jun-2024 08:55

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-17
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.330**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:19
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:19
Arsenic	**0.000496**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
Barium	**0.0751**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
Beryllium	**0.000360**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 12:19
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:19
Calcium	**1.19**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:19
Chromium	**0.0147**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
Cobalt	**0.00168**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
Copper	**0.00779**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
Iron	**0.801**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:19
Lead	**0.000798**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
Magnesium	**0.953**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:19
Manganese	**0.0148**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
Nickel	**0.0102**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
Potassium	**0.490**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:19
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:19
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:19
Sodium	**15.3**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:19
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:19
Vanadium	**0.00116**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
Zinc	**0.0220**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:19
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:40
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT13F_062024
Collection Date: 20-Jun-2024 09:02

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-18
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.302**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:21
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:21
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:21
Barium	**0.0775**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:21
Beryllium	**0.000275**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 12:21
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:21
Calcium	**1.00**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:21
Chromium	**0.00192**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:21
Cobalt	**0.00156**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:21
Copper	**0.0215**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:21
Iron	**0.478**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:21
Lead	**0.000757**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:21
Magnesium	**0.735**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:21
Manganese	**0.0153**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:21
Nickel	**0.00394**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:21
Potassium	**0.952**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:21
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:21
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:21
Sodium	**3.64**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:21
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:21
Vanadium	**0.00127**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:21
Zinc	**0.0285**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:21
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:42
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT14A_062024
Collection Date: 20-Jun-2024 09:14

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-19
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.848**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:35
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:35
Arsenic	**0.00165**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
Barium	**0.128**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
Beryllium	**0.00131**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 12:35
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:35
Calcium	**1.77**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:35
Chromium	**0.0230**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
Cobalt	**0.00466**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
Copper	**0.00495**	J	**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
Iron	**7.86**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:35
Lead	**0.000789**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
Magnesium	**1.47**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:35
Manganese	**0.0832**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
Nickel	**0.0125**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
Potassium	**0.570**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:35
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:35
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:35
Sodium	**11.7**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:35
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:35
Vanadium	**0.00223**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
Zinc	**0.0431**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:35
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:50
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT14B_062024
Collection Date: 20-Jun-2024 09:22

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-20
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0264**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:38
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:38
Arsenic	**0.00101**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:38
Barium	**0.160**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:38
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:38
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:38
Calcium	**4.33**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:38
Chromium	**0.00456**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:38
Cobalt	**0.00153**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:38
Copper	**0.0227**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:38
Iron	**0.597**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:38
Lead	**0.000783**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:38
Magnesium	**3.64**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:38
Manganese	**0.0623**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:38
Nickel	**0.0123**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:38
Potassium	**0.226**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:38
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:38
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:38
Sodium	**49.8**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:38
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:38
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:38
Zinc	**0.0269**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:38
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:52
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT14C_062024
Collection Date: 20-Jun-2024 09:27

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-21
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0148**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:40
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:40
Arsenic	**0.00508**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:40
Barium	**1.55**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:40
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:40
Cadmium	**0.000446**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 12:40
Calcium	**59.7**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:40
Chromium	**0.0331**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:40
Cobalt	**0.0276**		**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:40
Copper	**0.00208**	J	**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:40
Iron	**11.0**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:40
Lead	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:40
Magnesium	**45.7**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:40
Manganese	**1.46**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:40
Nickel	**0.0730**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:40
Potassium	**0.735**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:40
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:40
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:40
Sodium	**153**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:40
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:40
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:40
Zinc	**0.0195**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:40
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 13:57
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT14D_062024
Collection Date: 20-Jun-2024 09:35

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-22
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.0121**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:42
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:42
Arsenic	**0.00708**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:42
Barium	**1.27**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:42
Beryllium	**0.000290**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 12:42
Cadmium	**0.000272**	J	**0.000200**	**0.000500**	**0.00200**	**mg/L**	1	09-Jul-2024 12:42
Calcium	**61.1**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:42
Chromium	**0.0122**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:42
Cobalt	**0.0111**		**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:42
Copper	**0.123**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:42
Iron	**10.9**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:42
Lead	**0.00322**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:42
Magnesium	**40.3**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:42
Manganese	**1.05**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:42
Nickel	**0.0393**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:42
Potassium	**0.736**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:42
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:42
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:42
Sodium	**209**		**1.40**	**5.00**	**20.0**	**mg/L**	100	09-Jul-2024 13:11
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:42
Vanadium	0.00125	U	0.000600	0.00125	0.00500	mg/L	1	09-Jul-2024 12:42
Zinc	**0.0730**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:42
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 14:02
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: ICT14E_062024
Collection Date: 20-Jun-2024 09:42

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-23
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 05-Jul-2024		Analyst: MSC
Aluminum	**0.580**		**0.00180**	**0.00500**	**0.0100**	**mg/L**	1	09-Jul-2024 12:44
Antimony	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	09-Jul-2024 12:44
Arsenic	**0.000744**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
Barium	**0.267**		**0.00190**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
Beryllium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:44
Cadmium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:44
Calcium	**5.04**		**0.0340**	**0.0500**	**0.500**	**mg/L**	1	09-Jul-2024 12:44
Chromium	**0.0364**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
Cobalt	**0.00154**	J	**0.000100**	**0.000500**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
Copper	**0.0109**		**0.00100**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
Iron	**1.92**		**0.0120**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:44
Lead	**0.000743**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
Magnesium	**3.84**		**0.0100**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:44
Manganese	**0.0455**		**0.000700**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
Nickel	**0.0327**		**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
Potassium	**0.315**		**0.0180**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:44
Selenium	0.00125	U	0.00110	0.00125	0.00500	mg/L	1	09-Jul-2024 12:44
Silver	0.000500	U	0.000200	0.000500	0.00500	mg/L	1	09-Jul-2024 12:44
Sodium	**28.6**		**0.0140**	**0.0500**	**0.200**	**mg/L**	1	09-Jul-2024 12:44
Thallium	0.000500	U	0.000200	0.000500	0.00200	mg/L	1	09-Jul-2024 12:44
Vanadium	**0.00104**	J	**0.000600**	**0.00125**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
Zinc	**0.0324**		**0.00200**	**0.00250**	**0.00500**	**mg/L**	1	09-Jul-2024 12:44
MERCURY BY SW7470A		**Method:SW7470A**				Prep:SW7470A / 05-Jul-2024		Analyst: JS
Mercury	0.000100	U	0.0000300	0.000100	0.000200	mg/L	1	05-Jul-2024 14:04
SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)		**Method:NA**						Analyst: SUB
Subcontract Analysis	See Attached		0	0		NA	1	12-Jul-2024 08:03
SUBCONTRACT ANALYSIS -VOC ANALYSIS		**Method:SUBCONTRACT**						Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
Sample ID: Trip Blank
Collection Date: 20-Jun-2024 00:00

ANALYTICAL REPORT
WorkOrder:HS24061330
Lab ID:HS24061330-24
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
SUBCONTRACT ANALYSIS -VOC ANALYSIS	**Method:SUBCONTRACT**							Analyst: SUB
Subcontracted Analyses	See Attached		0	0		NA	1	09-Jul-2024 08:55

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Weight / Prep Log

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Batch ID: 214353 **Start Date:** 02 Jul 2024 08:00 **End Date:** 02 Jul 2024 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24061330-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 214521 **Start Date:** 05 Jul 2024 08:00 **End Date:** 05 Jul 2024 08:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24061330-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-07		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-08		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-09		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-10		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-11		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-12		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-13		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-14		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-15		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-16		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-17		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-18		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-19		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-20		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-21		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-22		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-23		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Weight / Prep Log

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Batch ID: 214537 **Start Date:** 05 Jul 2024 08:00 **End Date:** 05 Jul 2024 08:00
Method: MERCURY PREP BY 7470A- WATER **Prep Code:** HG_WPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24061330-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-07		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-08		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-09		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-10		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-11		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-12		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-13		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-14		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-15		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-16		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-17		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-18		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-19		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-20		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 214538 **Start Date:** 05 Jul 2024 08:00 **End Date:** 05 Jul 2024 08:00
Method: MERCURY PREP BY 7470A- WATER **Prep Code:** HG_WPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24061330-21		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-22		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061330-23		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 214353 (0)	**Test Name :** METALS BY ICPMS BY SW6020A				**Matrix:** Groundwater	
HS24061330-01	ICT2_062024	20 Jun 2024 06:40		02 Jul 2024 08:00	05 Jul 2024 00:11	1
HS24061330-02	ICT4_062024	20 Jun 2024 06:54		02 Jul 2024 08:00	05 Jul 2024 00:13	1
HS24061330-03	ICT7_062024	20 Jun 2024 07:03		02 Jul 2024 08:00	05 Jul 2024 00:16	1
HS24061330-05	ICT11_062024	20 Jun 2024 07:28		02 Jul 2024 08:00	05 Jul 2024 00:18	1
Batch ID: 214521 (0)	**Test Name :** METALS BY ICPMS BY SW6020A				**Matrix:** Groundwater	
HS24061330-04	ICT8_062024	20 Jun 2024 07:12		05 Jul 2024 08:00	09 Jul 2024 11:38	1
HS24061330-06	ICT12A_062024	20 Jun 2024 07:38		05 Jul 2024 08:00	09 Jul 2024 11:49	1
HS24061330-07	ICT12B_062024	20 Jun 2024 07:45		05 Jul 2024 08:00	09 Jul 2024 11:51	1
HS24061330-08	ICT12C_062024	20 Jun 2024 07:52		05 Jul 2024 08:00	09 Jul 2024 11:53	1
HS24061330-09	ICT12D_062024	20 Jun 2024 08:00		05 Jul 2024 08:00	09 Jul 2024 11:55	1
HS24061330-10	ICT12D_062024_a	20 Jun 2024 08:00		05 Jul 2024 08:00	09 Jul 2024 12:04	1
HS24061330-11	ICT12E_062024	20 Jun 2024 08:10		05 Jul 2024 08:00	09 Jul 2024 13:09	5
HS24061330-11	ICT12E_062024	20 Jun 2024 08:10		05 Jul 2024 08:00	09 Jul 2024 12:06	1
HS24061330-12	ICT13A_062024	20 Jun 2024 08:18		05 Jul 2024 08:00	09 Jul 2024 12:08	1
HS24061330-13	ICT13B_062024	20 Jun 2024 08:25		05 Jul 2024 08:00	09 Jul 2024 12:10	1
HS24061330-14	ICT13C_062024	20 Jun 2024 08:34		05 Jul 2024 08:00	09 Jul 2024 12:12	1
HS24061330-15	ICT13D_062024	20 Jun 2024 08:43		05 Jul 2024 08:00	09 Jul 2024 12:14	1
HS24061330-16	ICT13D_062024_a	20 Jun 2024 08:43		05 Jul 2024 08:00	09 Jul 2024 12:16	1
HS24061330-17	ICT13E_062024	20 Jun 2024 08:55		05 Jul 2024 08:00	09 Jul 2024 12:19	1
HS24061330-18	ICT13F_062024	20 Jun 2024 09:02		05 Jul 2024 08:00	09 Jul 2024 12:21	1
HS24061330-19	ICT14A_062024	20 Jun 2024 09:14		05 Jul 2024 08:00	09 Jul 2024 12:35	1
HS24061330-20	ICT14B_062024	20 Jun 2024 09:22		05 Jul 2024 08:00	09 Jul 2024 12:38	1
HS24061330-21	ICT14C_062024	20 Jun 2024 09:27		05 Jul 2024 08:00	09 Jul 2024 12:40	1
HS24061330-22	ICT14D_062024	20 Jun 2024 09:35		05 Jul 2024 08:00	09 Jul 2024 13:11	100
HS24061330-22	ICT14D_062024	20 Jun 2024 09:35		05 Jul 2024 08:00	09 Jul 2024 12:42	1
HS24061330-23	ICT14E_062024	20 Jun 2024 09:42		05 Jul 2024 08:00	09 Jul 2024 12:44	1

Revision: 1

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ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 214537 (0)	**Test Name :** MERCURY BY SW7470A				**Matrix:** Groundwater	
HS24061330-01	ICT2_062024	20 Jun 2024 06:40		05 Jul 2024 08:00	05 Jul 2024 12:55	1
HS24061330-02	ICT4_062024	20 Jun 2024 06:54		05 Jul 2024 08:00	05 Jul 2024 13:02	1
HS24061330-03	ICT7_062024	20 Jun 2024 07:03		05 Jul 2024 08:00	05 Jul 2024 13:03	1
HS24061330-04	ICT8_062024	20 Jun 2024 07:12		05 Jul 2024 08:00	05 Jul 2024 13:05	1
HS24061330-05	ICT11_062024	20 Jun 2024 07:28		05 Jul 2024 08:00	05 Jul 2024 13:10	1
HS24061330-06	ICT12A_062024	20 Jun 2024 07:38		05 Jul 2024 08:00	05 Jul 2024 13:13	1
HS24061330-07	ICT12B_062024	20 Jun 2024 07:45		05 Jul 2024 08:00	05 Jul 2024 13:15	1
HS24061330-08	ICT12C_062024	20 Jun 2024 07:52		05 Jul 2024 08:00	05 Jul 2024 13:16	1
HS24061330-09	ICT12D_062024	20 Jun 2024 08:00		05 Jul 2024 08:00	05 Jul 2024 13:26	1
HS24061330-10	ICT12D_062024_a	20 Jun 2024 08:00		05 Jul 2024 08:00	05 Jul 2024 13:28	1
HS24061330-11	ICT12E_062024	20 Jun 2024 08:10		05 Jul 2024 08:00	05 Jul 2024 13:30	1
HS24061330-12	ICT13A_062024	20 Jun 2024 08:18		05 Jul 2024 08:00	05 Jul 2024 13:31	1
HS24061330-13	ICT13B_062024	20 Jun 2024 08:25		05 Jul 2024 08:00	05 Jul 2024 13:33	1
HS24061330-14	ICT13C_062024	20 Jun 2024 08:34		05 Jul 2024 08:00	05 Jul 2024 13:35	1
HS24061330-15	ICT13D_062024	20 Jun 2024 08:43		05 Jul 2024 08:00	05 Jul 2024 13:36	1
HS24061330-16	ICT13D_062024_a	20 Jun 2024 08:43		05 Jul 2024 08:00	05 Jul 2024 13:38	1
HS24061330-17	ICT13E_062024	20 Jun 2024 08:55		05 Jul 2024 08:00	05 Jul 2024 13:40	1
HS24061330-18	ICT13F_062024	20 Jun 2024 09:02		05 Jul 2024 08:00	05 Jul 2024 13:42	1
HS24061330-19	ICT14A_062024	20 Jun 2024 09:14		05 Jul 2024 08:00	05 Jul 2024 13:50	1
HS24061330-20	ICT14B_062024	20 Jun 2024 09:22		05 Jul 2024 08:00	05 Jul 2024 13:52	1
Batch ID: 214538 (0)	**Test Name :** MERCURY BY SW7470A				**Matrix:** Groundwater	
HS24061330-21	ICT14C_062024	20 Jun 2024 09:27		05 Jul 2024 08:00	05 Jul 2024 13:57	1
HS24061330-22	ICT14D_062024	20 Jun 2024 09:35		05 Jul 2024 08:00	05 Jul 2024 14:02	1
HS24061330-23	ICT14E_062024	20 Jun 2024 09:42		05 Jul 2024 08:00	05 Jul 2024 14:04	1
Batch ID: R471428 (0)	**Test Name :** SUBCONTRACT ANALYSIS -VOC ANALYSIS				**Matrix:** Water	
HS24061330-24	Trip Blank	20 Jun 2024 00:00			09 Jul 2024 08:55	1

Revision: 1

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R471428 (0)	**Test Name :** SUBCONTRACT ANALYSIS -VOC ANALYSIS				**Matrix:** Groundwater	
HS24061330-01	ICT2_062024	20 Jun 2024 06:40			09 Jul 2024 08:55	1
HS24061330-02	ICT4_062024	20 Jun 2024 06:54			09 Jul 2024 08:55	1
HS24061330-03	ICT7_062024	20 Jun 2024 07:03			09 Jul 2024 08:55	1
HS24061330-04	ICT8_062024	20 Jun 2024 07:12			09 Jul 2024 08:55	1
HS24061330-05	ICT11_062024	20 Jun 2024 07:28			09 Jul 2024 08:55	1
HS24061330-06	ICT12A_062024	20 Jun 2024 07:38			09 Jul 2024 08:55	1
HS24061330-07	ICT12B_062024	20 Jun 2024 07:45			09 Jul 2024 08:55	1
HS24061330-08	ICT12C_062024	20 Jun 2024 07:52			09 Jul 2024 08:55	1
HS24061330-09	ICT12D_062024	20 Jun 2024 08:00			09 Jul 2024 08:55	1
HS24061330-10	ICT12D_062024_a	20 Jun 2024 08:00			09 Jul 2024 08:55	1
HS24061330-11	ICT12E_062024	20 Jun 2024 08:10			09 Jul 2024 08:55	1
HS24061330-12	ICT13A_062024	20 Jun 2024 08:18			09 Jul 2024 08:55	1
HS24061330-13	ICT13B_062024	20 Jun 2024 08:25			09 Jul 2024 08:55	1
HS24061330-14	ICT13C_062024	20 Jun 2024 08:34			09 Jul 2024 08:55	1
HS24061330-15	ICT13D_062024	20 Jun 2024 08:43			09 Jul 2024 08:55	1
HS24061330-16	ICT13D_062024_a	20 Jun 2024 08:43			09 Jul 2024 08:55	1
HS24061330-17	ICT13E_062024	20 Jun 2024 08:55			09 Jul 2024 08:55	1
HS24061330-18	ICT13F_062024	20 Jun 2024 09:02			09 Jul 2024 08:55	1
HS24061330-19	ICT14A_062024	20 Jun 2024 09:14			09 Jul 2024 08:55	1
HS24061330-20	ICT14B_062024	20 Jun 2024 09:22			09 Jul 2024 08:55	1
HS24061330-21	ICT14C_062024	20 Jun 2024 09:27			09 Jul 2024 08:55	1
HS24061330-22	ICT14D_062024	20 Jun 2024 09:35			09 Jul 2024 08:55	1
HS24061330-23	ICT14E_062024	20 Jun 2024 09:42			09 Jul 2024 08:55	1

Revision: 1

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ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R471756 (0)	**Test Name :** SUBCONTRACT ANALYSIS - PERCHLORATE (EPA 6850)				**Matrix:** Groundwater	
HS24061330-01	ICT2_062024	20 Jun 2024 06:40			12 Jul 2024 08:03	1
HS24061330-02	ICT4_062024	20 Jun 2024 06:54			12 Jul 2024 08:03	1
HS24061330-03	ICT7_062024	20 Jun 2024 07:03			12 Jul 2024 08:03	1
HS24061330-04	ICT8_062024	20 Jun 2024 07:12			12 Jul 2024 08:03	1
HS24061330-05	ICT11_062024	20 Jun 2024 07:28			12 Jul 2024 08:03	1
HS24061330-06	ICT12A_062024	20 Jun 2024 07:38			12 Jul 2024 08:03	1
HS24061330-07	ICT12B_062024	20 Jun 2024 07:45			12 Jul 2024 08:03	1
HS24061330-08	ICT12C_062024	20 Jun 2024 07:52			12 Jul 2024 08:03	1
HS24061330-09	ICT12D_062024	20 Jun 2024 08:00			12 Jul 2024 08:03	1
HS24061330-10	ICT12D_062024_a	20 Jun 2024 08:00			12 Jul 2024 08:03	1
HS24061330-11	ICT12E_062024	20 Jun 2024 08:10			12 Jul 2024 08:03	1
HS24061330-12	ICT13A_062024	20 Jun 2024 08:18			12 Jul 2024 08:03	1
HS24061330-13	ICT13B_062024	20 Jun 2024 08:25			12 Jul 2024 08:03	1
HS24061330-14	ICT13C_062024	20 Jun 2024 08:34			12 Jul 2024 08:03	1
HS24061330-15	ICT13D_062024	20 Jun 2024 08:43			12 Jul 2024 08:03	1
HS24061330-16	ICT13D_062024_a	20 Jun 2024 08:43			12 Jul 2024 08:03	1
HS24061330-17	ICT13E_062024	20 Jun 2024 08:55			12 Jul 2024 08:03	1
HS24061330-18	ICT13F_062024	20 Jun 2024 09:02			12 Jul 2024 08:03	1
HS24061330-19	ICT14A_062024	20 Jun 2024 09:14			12 Jul 2024 08:03	1
HS24061330-20	ICT14B_062024	20 Jun 2024 09:22			12 Jul 2024 08:03	1
HS24061330-21	ICT14C_062024	20 Jun 2024 09:27			12 Jul 2024 08:03	1
HS24061330-22	ICT14D_062024	20 Jun 2024 09:35			12 Jul 2024 08:03	1
HS24061330-23	ICT14E_062024	20 Jun 2024 09:42			12 Jul 2024 08:03	1

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ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

MBLK Sample ID: **MBLK-214353** Units: **mg/L** Analysis Date: **04-Jul-2024 22:37**
Client ID: Run ID: **ICPMS05_471259** SeqNo: **8124173** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.00500	0.0100								U
Antimony	0.000412	0.00500								J
Arsenic	0.00125	0.00500								U
Barium	0.00250	0.00500								U
Beryllium	0.000500	0.00200								U
Cadmium	0.000500	0.00200								U
Calcium	0.0500	0.500								U
Chromium	0.00125	0.00500								U
Cobalt	0.000500	0.00500								U
Copper	0.00125	0.00500								U
Iron	0.0500	0.200								U
Lead	0.00125	0.00500								U
Magnesium	0.0500	0.200								U
Manganese	0.00250	0.00500								U
Nickel	0.00125	0.00500								U
Potassium	0.0500	0.200								U
Selenium	0.00125	0.00500								U
Silver	0.000500	0.00500								U
Sodium	0.0500	0.200								U
Thallium	0.000500	0.00200								U
Vanadium	0.00125	0.00500								U
Zinc	0.00250	0.00500								U

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

LCS Sample ID: **LCS-214353** Units: **mg/L** Analysis Date: **05-Jul-2024 12:28**
Client ID: Run ID: **ICPMS05_471291** SeqNo: **8124960** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.09935	0.0100	0.1	0	99.4	84 - 117				
Antimony	0.04767	0.00500	0.05	0	95.3	85 - 117				
Arsenic	0.04651	0.00500	0.05	0	93.0	84 - 116				
Barium	0.04716	0.00500	0.05	0	94.3	86 - 114				
Cadmium	0.04664	0.00200	0.05	0	93.3	87 - 115				
Calcium	4.795	0.500	5	0	95.9	87 - 118				
Chromium	0.0463	0.00500	0.05	0	92.6	85 - 116				
Cobalt	0.04699	0.00500	0.05	0	94.0	86 - 115				
Copper	0.04763	0.00500	0.05	0	95.3	85 - 118				
Iron	4.794	0.200	5	0	95.9	87 - 118				
Lead	0.04508	0.00500	0.05	0	90.2	88 - 115				
Magnesium	4.541	0.200	5	0	90.8	83 - 118				
Manganese	0.04673	0.00500	0.05	0	93.5	87 - 115				
Nickel	0.04633	0.00500	0.05	0	92.7	85 - 117				
Potassium	4.47	0.200	5	0	89.4	87 - 115				
Selenium	0.04586	0.00500	0.05	0	91.7	80 - 120				
Silver	0.04706	0.00500	0.05	0	94.1	85 - 116				
Sodium	4.605	0.200	5	0	92.1	85 - 117				
Thallium	0.04477	0.00200	0.05	0	89.5	82 - 116				
Vanadium	0.04562	0.00500	0.05	0	91.2	86 - 115				
Zinc	0.04646	0.00500	0.05	0	92.9	83 - 119				

LCS Sample ID: **LCS-214353** Units: **mg/L** Analysis Date: **05-Jul-2024 13:36**
Client ID: Run ID: **ICPMS05_471291** SeqNo: **8125075** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Beryllium	0.04562	0.00200	0.05	0	91.2	83 - 121				

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ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

MS Sample ID: **HS24061313-01MS** Units: **mg/L** Analysis Date: **05-Jul-2024 12:41**
Client ID: Run ID: **ICPMS05_471291** SeqNo: **8124966** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.1144	0.0100	0.1	0.02968	84.7	84 - 117			
Antimony	0.0461	0.00500	0.05	0.0006	91.0	85 - 117			
Arsenic	0.04438	0.00500	0.05	0.00037	88.0	84 - 116			
Barium	0.1526	0.00500	0.05	0.1102	84.7	86 - 114			S
Beryllium	0.04034	0.00200	0.05	0.000054	80.6	83 - 121			S
Cadmium	0.04429	0.00200	0.05	0.000158	88.3	87 - 115			
Calcium	10.56	0.500	5	6.318	84.7	87 - 118			S
Chromium	0.05047	0.00500	0.05	0.1133	-126	85 - 116			S
Cobalt	0.04408	0.00500	0.05	0.000395	87.4	86 - 115			
Copper	0.04475	0.00500	0.05	0.001011	87.5	85 - 118			
Iron	11.19	0.200	5	7.503	73.8	87 - 118			S
Lead	0.04474	0.00500	0.05	0.000245	89.0	88 - 115			
Magnesium	7.63	0.200	5	3.262	87.3	83 - 118			
Manganese	0.1359	0.00500	0.05	0.09849	74.9	87 - 115			S
Nickel	0.05489	0.00500	0.05	0.02143	66.9	85 - 117			S
Potassium	6.536	0.200	5	2.138	88.0	87 - 115			
Selenium	0.04374	0.00500	0.05	0.000247	87.0	80 - 120			
Silver	0.04377	0.00500	0.05	0.000026	87.5	85 - 116			
Sodium	27.85	0.200	5	24.73	62.4	85 - 117			SO
Thallium	0.04381	0.00200	0.05	0.00019	87.2	82 - 116			
Vanadium	0.04308	0.00500	0.05	-0.001324	88.8	86 - 115			
Zinc	0.04645	0.00500	0.05	0.003463	86.0	83 - 119			

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ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

MS Sample ID: **HS24061247-01MS** Units: **mg/L** Analysis Date: **05-Jul-2024 12:34**
Client ID: Run ID: **ICPMS05_471291** SeqNo: **8124963** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.2245	0.0100	0.1	0.1635	60.9	84 - 117				S
Antimony	0.0465	0.00500	0.05	0.000289	92.4	85 - 117				
Arsenic	0.04552	0.00500	0.05	0.000433	90.2	84 - 116				
Barium	0.06267	0.00500	0.05	0.01709	91.2	86 - 114				
Beryllium	0.04135	0.00200	0.05	0.000009	82.7	83 - 121				S
Cadmium	0.0463	0.00200	0.05	0.000456	91.7	87 - 115				
Calcium	6	0.500	5	1.588	88.2	87 - 118				
Chromium	0.04454	0.00500	0.05	0.000446	88.2	85 - 116				
Cobalt	0.0457	0.00500	0.05	0.000136	91.1	86 - 115				
Copper	0.04605	0.00500	0.05	0.000585	90.9	85 - 118				
Iron	6.157	0.200	5	1.714	88.9	87 - 118				
Lead	0.04648	0.00500	0.05	0.000634	91.7	88 - 115				
Magnesium	4.786	0.200	5	0.4067	87.6	83 - 118				
Manganese	0.09878	0.00500	0.05	0.05671	84.2	87 - 115				S
Nickel	0.04518	0.00500	0.05	0.00023	89.9	85 - 117				
Potassium	8.269	0.200	5	3.699	91.4	87 - 115				
Selenium	0.04586	0.00500	0.05	0.000272	91.2	80 - 120				
Silver	0.0452	0.00500	0.05	0.000021	90.4	85 - 116				
Sodium	22.31	0.200	5	18.9	68.3	85 - 117				S
Thallium	0.04605	0.00200	0.05	0.000044	92.0	82 - 116				
Vanadium	0.04474	0.00500	0.05	0.000396	88.7	86 - 115				
Zinc	0.04774	0.00500	0.05	0.003548	88.4	83 - 119				

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RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

MSD Sample ID: **HS24061313-01MSD** Units: **mg/L** Analysis Date: **05-Jul-2024 12:43**
Client ID: Run ID: **ICPMS05_471291** SeqNo: **8124967** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1207	0.0100	0.1	0.02968	91.0	84 - 117	0.1144	5.39	20	
Antimony	0.04746	0.00500	0.05	0.0006	93.7	85 - 117	0.0461	2.91	20	
Arsenic	0.04587	0.00500	0.05	0.00037	91.0	84 - 116	0.04438	3.29	20	
Barium	0.1567	0.00500	0.05	0.1102	92.9	86 - 114	0.1526	2.65	20	
Beryllium	0.0412	0.00200	0.05	0.000054	82.3	83 - 121	0.04034	2.09	20	S
Cadmium	0.04515	0.00200	0.05	0.000158	90.0	87 - 115	0.04429	1.92	20	
Calcium	10.84	0.500	5	6.318	90.4	87 - 118	10.56	2.63	20	
Chromium	0.05185	0.00500	0.05	0.1133	-123	85 - 116	0.05047	2.71	20	S
Cobalt	0.04538	0.00500	0.05	0.000395	90.0	86 - 115	0.04408	2.89	20	
Copper	0.04601	0.00500	0.05	0.001011	90.0	85 - 118	0.04475	2.77	20	
Iron	11.52	0.200	5	7.503	80.4	87 - 118	11.19	2.91	20	S
Lead	0.0461	0.00500	0.05	0.000245	91.7	88 - 115	0.04474	3	20	
Magnesium	7.913	0.200	5	3.262	93.0	83 - 118	7.63	3.65	20	
Manganese	0.1422	0.00500	0.05	0.09849	87.4	87 - 115	0.1359	4.49	20	
Nickel	0.05727	0.00500	0.05	0.02143	71.7	85 - 117	0.05489	4.23	20	S
Potassium	6.67	0.200	5	2.138	90.6	87 - 115	6.536	2.03	20	
Selenium	0.04594	0.00500	0.05	0.000247	91.4	80 - 120	0.04374	4.91	20	
Silver	0.04414	0.00500	0.05	0.000026	88.2	85 - 116	0.04377	0.833	20	
Sodium	28.7	0.200	5	24.73	79.4	85 - 117	27.85	3.01	20	SO
Thallium	0.04566	0.00200	0.05	0.00019	90.9	82 - 116	0.04381	4.14	20	
Vanadium	0.04492	0.00500	0.05	-0.001324	92.5	86 - 115	0.04308	4.18	20	
Zinc	0.04858	0.00500	0.05	0.003463	90.2	83 - 119	0.04645	4.48	20	

Revision: 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

MSD Sample ID: **HS24061247-01MSD** Units: **mg/L** Analysis Date: **05-Jul-2024 12:37**
Client ID: Run ID: **ICPMS05_471291** SeqNo: **8124964** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.2135	0.0100	0.1	0.1635	50.0	84 - 117	0.2245	5.01	20	S
Antimony	0.04532	0.00500	0.05	0.000289	90.1	85 - 117	0.0465	2.56	20	
Arsenic	0.04371	0.00500	0.05	0.000433	86.6	84 - 116	0.04552	4.05	20	
Barium	0.06024	0.00500	0.05	0.01709	86.3	86 - 114	0.06267	3.95	20	
Beryllium	0.03946	0.00200	0.05	0.000009	78.9	83 - 121	0.04135	4.7	20	S
Cadmium	0.04403	0.00200	0.05	0.000456	87.2	87 - 115	0.0463	5.02	20	
Chromium	0.0433	0.00500	0.05	0.000446	85.7	85 - 116	0.04454	2.81	20	
Cobalt	0.04363	0.00500	0.05	0.000136	87.0	86 - 115	0.0457	4.64	20	
Copper	0.04388	0.00500	0.05	0.000585	86.6	85 - 118	0.04605	4.84	20	
Magnesium	4.579	0.200	5	0.4067	83.4	83 - 118	4.786	4.43	20	
Manganese	0.09524	0.00500	0.05	0.05671	77.1	87 - 115	0.09878	3.65	20	S
Nickel	0.04426	0.00500	0.05	0.00023	88.1	85 - 117	0.04518	2.07	20	
Selenium	0.04398	0.00500	0.05	0.000272	87.4	80 - 120	0.04586	4.19	20	
Silver	0.04383	0.00500	0.05	0.000021	87.6	85 - 116	0.0452	3.08	20	
Sodium	21.73	0.200	5	18.9	56.6	85 - 117	22.31	2.66	20	S
Thallium	0.04416	0.00200	0.05	0.000044	88.2	82 - 116	0.04605	4.19	20	

MSD Sample ID: **HS24061247-01MSD** Units: **mg/L** Analysis Date: **05-Jul-2024 13:09**
Client ID: Run ID: **ICPMS05_471291** SeqNo: **8125000** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cadmium	0.04621	0.00200	0.05	0.000456	91.5	87 - 115	0.0463	0.201	20	
Iron	6.328	0.200	5	1.714	92.3	87 - 118	6.157	2.74	20	
Lead	0.04653	0.00500	0.05	0.000634	91.8	88 - 115	0.04648	0.101	20	
Potassium	8.348	0.200	5	3.699	93.0	87 - 115	8.269	0.956	20	
Vanadium	0.04494	0.00500	0.05	0	89.9	86 - 115	0.04474	0.439	20	
Zinc	0.04786	0.00500	0.05	0.003548	88.6	83 - 119	0.04774	0.259	20	

Revision: 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

PDS Sample ID: **HS24061313-01PDS** Units: **mg/L** Analysis Date: **04-Jul-2024 23:33**
Client ID: Run ID: **ICPMS05_471259** SeqNo: **8124196** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1122	0.0100	0.1	0.02565	86.6	80 - 120				
Antimony	0.09219	0.00500	0.1	0.000501	91.7	80 - 120				
Arsenic	0.09445	0.00500	0.1	0.000261	94.2	80 - 120				
Barium	0.2034	0.00500	0.1	0.1092	94.2	80 - 120				
Beryllium	0.08933	0.00200	0.1	0.00007	89.3	80 - 120				
Cadmium	0.0951	0.00200	0.1	0.000145	95.0	80 - 120				
Calcium	15.51	0.500	10	6.463	90.5	80 - 120				
Chromium	0.1031	0.00500	0.1	0.007358	95.8	80 - 120				
Cobalt	0.0952	0.00500	0.1	0.000196	95.0	80 - 120				
Copper	0.09647	0.00500	0.1	0.000872	95.6	80 - 120				
Iron	16.71	0.200	10	7.083	96.2	80 - 120				
Lead	0.09633	0.00500	0.1	0.000202	96.1	80 - 120				
Magnesium	13.02	0.200	10	3.221	98.0	80 - 120				
Manganese	0.184	0.00500	0.1	0.09413	89.8	80 - 120				
Nickel	0.1072	0.00500	0.1	0.01227	95.0	80 - 120				
Potassium	12.21	0.200	10	2.127	101	80 - 120				
Selenium	0.09229	0.00500	0.1	0.000372	91.9	80 - 120				
Silver	0.1088	0.00500	0.1	0.000035	109	80 - 120				
Sodium	34.03	0.200	10	25.87	81.6	80 - 120				
Thallium	0.09683	0.00200	0.1	0.000051	96.8	80 - 120				
Vanadium	0.09549	0.00500	0.1	0.000598	94.9	80 - 120				
Zinc	0.09607	0.00500	0.1	0.004486	91.6	80 - 120				

Revision: 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

PDS Sample ID: **HS24061247-01PDS** Units: **mg/L** Analysis Date: **04-Jul-2024 22:57**
Client ID: Run ID: **ICPMS05_471259** SeqNo: **8124181** PrepDate: **02-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.2319	0.0100	0.1	0.1401	91.7	80 - 120				
Antimony	0.09636	0.00500	0.1	0.000262	96.1	80 - 120				
Arsenic	0.09826	0.00500	0.1	0.000208	98.1	80 - 120				
Barium	0.1175	0.00500	0.1	0.01798	99.5	80 - 120				
Beryllium	0.08956	0.00200	0.1	0.000014	89.6	80 - 120				
Cadmium	0.09886	0.00200	0.1	0.000572	98.3	80 - 120				
Calcium	11.36	0.500	10	1.462	99.0	80 - 120				
Chromium	0.1016	0.00500	0.1	0.000719	101	80 - 120				
Cobalt	0.1004	0.00500	0.1	0.00015	100	80 - 120				
Copper	0.1022	0.00500	0.1	0.000232	102	80 - 120				
Iron	12.14	0.200	10	1.821	103	80 - 120				
Lead	0.09956	0.00500	0.1	0.000154	99.4	80 - 120				
Magnesium	10.56	0.200	10	0.4168	101	80 - 120				
Manganese	0.159	0.00500	0.1	0.06098	98.0	80 - 120				
Nickel	0.1008	0.00500	0.1	0.000188	101	80 - 120				
Potassium	14.4	0.200	10	3.683	107	80 - 120				
Selenium	0.09962	0.00500	0.1	0.000307	99.3	80 - 120				
Silver	0.1132	0.00500	0.1	0.000024	113	80 - 120				
Sodium	29.36	0.200	10	19.84	95.2	80 - 120				
Thallium	0.1009	0.00200	0.1	0.000047	101	80 - 120				
Vanadium	0.1007	0.00500	0.1	0.000446	100	80 - 120				
Zinc	0.09959	0.00500	0.1	0.003412	96.2	80 - 120				

Revision: 1

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

SD Sample ID: **HS24061313-01SD** Units: **mg/L** Analysis Date: **04-Jul-2024 23:26**
Client ID: Run ID: **ICPMS05_471259** SeqNo: **8124193** PrepDate: **02-Jul-2024** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Aluminum	0.01923	0.0500					0.02565	0	10	J
Antimony	0.00625	0.0250					0.000501	0	10	U
Arsenic	0.00625	0.0250					0.000261	0	10	U
Barium	0.1086	0.0250					0.1092	0.574	10	
Beryllium	0.00250	0.0100					0.00007	0	10	U
Cadmium	0.00250	0.0100					0.000145	0	10	U
Calcium	6.433	2.50					6.463	0.478	10	
Chromium	0.005607	0.0250					0.007358	0	10	J
Cobalt	0.00250	0.0250					0.000196	0	10	U
Copper	0.00625	0.0250					0.000872	0	10	U
Iron	7.3	1.00					7.083	3.07	10	
Lead	0.00625	0.0250					0.000202	0	10	U
Magnesium	3.225	1.00					3.221	0.124	10	
Manganese	0.09552	0.0250					0.09413	1.47	10	
Nickel	0.01338	0.0250					0.01227	0	10	J
Potassium	2.074	1.00					2.127	2.49	10	
Selenium	0.00625	0.0250					0.000372	0	10	U
Silver	0.00250	0.0250					0.000035	0	10	U
Sodium	25.45	1.00					25.87	1.65	10	
Thallium	0.00250	0.0100					0.000051	0	10	U
Vanadium	0.00625	0.0250					0.000598	0	10	U
Zinc	0.0125	0.0250					0.004486	0	10	U

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214353 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

SD Sample ID: **HS24061247-01SD** Units: **mg/L** Analysis Date: **04-Jul-2024 22:49**
Client ID: Run ID: **ICPMS05_471259** SeqNo: **8124178** PrepDate: **02-Jul-2024** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Aluminum	0.1382	0.0500					0.1401	1.35	10	
Antimony	0.00625	0.0250					0.000262	0	10	U
Arsenic	0.00625	0.0250					0.000208	0	10	U
Barium	0.01806	0.0250					0.01798	0	10	J
Beryllium	0.00250	0.0100					0.000014	0	10	U
Cadmium	0.00250	0.0100					0.000572	0	10	U
Calcium	1.384	2.50					1.462	0	10	J
Chromium	0.00625	0.0250					0.000719	0	10	U
Cobalt	0.00250	0.0250					0.00015	0	10	U
Copper	0.00625	0.0250					0.000232	0	10	U
Iron	1.667	1.00					1.821	8.46	10	
Lead	0.00625	0.0250					0.000154	0	10	U
Magnesium	0.4212	1.00					0.4168	0	10	J
Manganese	0.06192	0.0250					0.06098	1.55	10	
Nickel	0.00625	0.0250					0.000188	0	10	U
Potassium	3.696	1.00					3.683	0.334	10	
Selenium	0.00625	0.0250					0.000307	0	10	U
Silver	0.00250	0.0250					0.000024	0	10	U
Sodium	20.02	1.00					19.84	0.899	10	
Thallium	0.00250	0.0100					0.000047	0	10	U
Vanadium	0.00625	0.0250					0.000446	0	10	U
Zinc	0.0125	0.0250					0.003412	0	10	U

The following samples were analyzed in this batch: HS24061330-01 HS24061330-02 HS24061330-03 HS24061330-05

Revision: 1

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ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214521 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

MBLK Sample ID: **MBLK-214521** Units: **mg/L** Analysis Date: **09-Jul-2024 11:21**
Client ID: Run ID: **ICPMS05_471442** SeqNo: **8127931** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.00500	0.0100								U
Antimony	0.00125	0.00500								U
Arsenic	0.00125	0.00500								U
Barium	0.00250	0.00500								U
Beryllium	0.000500	0.00200								U
Cadmium	0.000500	0.00200								U
Calcium	0.0500	0.500								U
Chromium	0.00125	0.00500								U
Cobalt	0.000500	0.00500								U
Copper	0.00125	0.00500								U
Iron	0.0500	0.200								U
Lead	0.00125	0.00500								U
Magnesium	0.0500	0.200								U
Manganese	0.00250	0.00500								U
Nickel	0.00125	0.00500								U
Potassium	0.0500	0.200								U
Selenium	0.00125	0.00500								U
Silver	0.000500	0.00500								U
Sodium	0.0500	0.200								U
Thallium	0.000500	0.00200								U
Vanadium	0.00125	0.00500								U
Zinc	0.00250	0.00500								U

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214521 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

LCS Sample ID: **LCS-214521** Units: **mg/L** Analysis Date: **09-Jul-2024 11:24**
Client ID: Run ID: **ICPMS05_471442** SeqNo: **8127932** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.05124	0.0100	0.05	0	102	84 - 117				
Antimony	0.04856	0.00500	0.05	0	97.1	85 - 117				
Arsenic	0.04845	0.00500	0.05	0	96.9	84 - 116				
Barium	0.04943	0.00500	0.05	0	98.9	86 - 114				
Beryllium	0.0442	0.00200	0.05	0	88.4	83 - 121				
Cadmium	0.04863	0.00200	0.05	0	97.3	87 - 115				
Calcium	4.869	0.500	5	0	97.4	87 - 118				
Chromium	0.04973	0.00500	0.05	0	99.5	85 - 116				
Cobalt	0.04983	0.00500	0.05	0	99.7	86 - 115				
Copper	0.05155	0.00500	0.05	0	103	85 - 118				
Iron	5.06	0.200	5	0	101	87 - 118				
Lead	0.04907	0.00500	0.05	0	98.1	88 - 115				
Magnesium	4.995	0.200	5	0	99.9	83 - 118				
Manganese	0.04918	0.00500	0.05	0	98.4	87 - 115				
Nickel	0.05021	0.00500	0.05	0	100	85 - 117				
Potassium	4.861	0.200	5	0	97.2	87 - 115				
Selenium	0.04982	0.00500	0.05	0	99.6	80 - 120				
Silver	0.05527	0.00500	0.05	0	111	85 - 116				
Sodium	4.949	0.200	5	0	99.0	85 - 117				
Thallium	0.04839	0.00200	0.05	0	96.8	82 - 116				
Vanadium	0.04783	0.00500	0.05	0	95.7	86 - 115				
Zinc	0.04817	0.00500	0.05	0	96.3	83 - 119				

Revision: 1

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214521 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

MS Sample ID: **HS24061330-04MS** Units: **mg/L** Analysis Date: **09-Jul-2024 11:43**
Client ID: **ICT8_062024** Run ID: **ICPMS05_471442** SeqNo: **8127966** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1552	0.0100	0.1	0.06872	86.5	84 - 117				
Antimony	0.04518	0.00500	0.05	0.000983	88.4	85 - 117				
Arsenic	0.04608	0.00500	0.05	0.00166	88.8	84 - 116				
Barium	0.4422	0.00500	0.05	0.4022	80.0	86 - 114				SO
Beryllium	0.04208	0.00200	0.05	0	84.2	83 - 121				
Cadmium	0.04589	0.00200	0.05	0.000231	91.3	87 - 115				
Calcium	16.58	0.500	5	12.1	89.7	87 - 118				
Chromium	0.05095	0.00500	0.05	0.00607	89.8	85 - 116				
Cobalt	0.04747	0.00500	0.05	0.002507	89.9	86 - 115				
Copper	0.1011	0.00500	0.05	0.05838	85.4	85 - 118				
Iron	8.107	0.200	5	3.55	91.1	87 - 118				
Lead	0.04567	0.00500	0.05	0	91.3	88 - 115				
Magnesium	13.97	0.200	5	9.599	87.4	83 - 118				
Manganese	0.4238	0.00500	0.05	0.3856	76.5	87 - 115				SO
Nickel	0.06089	0.00500	0.05	0.01683	88.1	85 - 117				
Potassium	5.58	0.200	5	1.098	89.6	87 - 115				
Selenium	0.04278	0.00500	0.05	0	85.6	80 - 120				
Silver	0.05077	0.00500	0.05	0	102	85 - 116				
Sodium	60.95	0.200	5	57.74	64.1	85 - 117				SO
Thallium	0.04473	0.00200	0.05	0.000543	88.4	82 - 116				
Vanadium	0.04581	0.00500	0.05	0.000809	90.0	86 - 115				
Zinc	0.2284	0.00500	0.05	0.1883	80.4	83 - 119				S

Revision: 1

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ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214521 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

MSD Sample ID: **HS24061330-04MSD** Units: **mg/L** Analysis Date: **09-Jul-2024 11:45**
Client ID: **ICT8_062024** Run ID: **ICPMS05_471442** SeqNo: **8127967** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1587	0.0100	0.1	0.06872	90.0	84 - 117	0.1552	2.21	20	
Antimony	0.04782	0.00500	0.05	0.000983	93.7	85 - 117	0.04518	5.69	20	
Arsenic	0.04961	0.00500	0.05	0.00166	95.9	84 - 116	0.04608	7.39	20	
Barium	0.4804	0.00500	0.05	0.4022	156	86 - 114	0.4422	8.29	20	SO
Beryllium	0.04463	0.00200	0.05	0	89.3	83 - 121	0.04208	5.88	20	
Cadmium	0.0491	0.00200	0.05	0.000231	97.7	87 - 115	0.04589	6.76	20	
Calcium	17.89	0.500	5	12.1	116	87 - 118	16.58	7.57	20	
Chromium	0.05464	0.00500	0.05	0.00607	97.1	85 - 116	0.05095	6.99	20	
Cobalt	0.05085	0.00500	0.05	0.002507	96.7	86 - 115	0.04747	6.87	20	
Copper	0.1102	0.00500	0.05	0.05838	104	85 - 118	0.1011	8.68	20	
Iron	8.685	0.200	5	3.55	103	87 - 118	8.107	6.89	20	
Lead	0.04897	0.00500	0.05	0	97.9	88 - 115	0.04567	6.99	20	
Magnesium	15.01	0.200	5	9.599	108	83 - 118	13.97	7.19	20	
Manganese	0.4567	0.00500	0.05	0.3856	142	87 - 115	0.4238	7.45	20	SO
Nickel	0.066	0.00500	0.05	0.01683	98.3	85 - 117	0.06089	8.05	20	
Potassium	5.941	0.200	5	1.098	96.9	87 - 115	5.58	6.26	20	
Selenium	0.04816	0.00500	0.05	0	96.3	80 - 120	0.04278	11.8	20	
Silver	0.05433	0.00500	0.05	0	109	85 - 116	0.05077	6.77	20	
Sodium	66.61	0.200	5	57.74	177	85 - 117	60.95	8.87	20	SO
Thallium	0.04869	0.00200	0.05	0.000543	96.3	82 - 116	0.04473	8.46	20	
Vanadium	0.04899	0.00500	0.05	0.000809	96.4	86 - 115	0.04581	6.71	20	
Zinc	0.2482	0.00500	0.05	0.1883	120	83 - 119	0.2284	8.31	20	S

Revision: 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214521 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

PDS Sample ID: **HS24061330-04PDS** Units: **mg/L** Analysis Date: **09-Jul-2024 11:47**
Client ID: **ICT8_062024** Run ID: **ICPMS05_471442** SeqNo: **8127968** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1828	0.0100	0.1	0.06872	114	80 - 120				
Antimony	0.09609	0.00500	0.1	0.000983	95.1	80 - 120				
Arsenic	0.09915	0.00500	0.1	0.00166	97.5	80 - 120				
Barium	0.5176	0.00500	0.1	0.4022	115	80 - 120				O
Beryllium	0.09154	0.00200	0.1	0	91.5	80 - 120				
Cadmium	0.1004	0.00200	0.1	0.000231	100	80 - 120				
Calcium	22	0.500	10	12.1	99.0	80 - 120				
Chromium	0.1037	0.00500	0.1	0.00607	97.7	80 - 120				
Cobalt	0.1004	0.00500	0.1	0.002507	97.8	80 - 120				
Copper	0.1554	0.00500	0.1	0.05838	97.1	80 - 120				
Iron	13.35	0.200	10	3.55	98.0	80 - 120				
Lead	0.1005	0.00500	0.1	0	100	80 - 120				
Magnesium	19.68	0.200	10	9.599	101	80 - 120				
Manganese	0.485	0.00500	0.1	0.3856	99.4	80 - 120				
Nickel	0.1149	0.00500	0.1	0.01683	98.1	80 - 120				
Potassium	10.86	0.200	10	1.098	97.6	80 - 120				
Selenium	0.09869	0.00500	0.1	0	98.7	80 - 120				
Silver	0.1118	0.00500	0.1	0	112	80 - 120				
Sodium	67.89	0.200	10	57.74	101	80 - 120				O
Thallium	0.101	0.00200	0.1	0.000543	100	80 - 120				
Vanadium	0.09872	0.00500	0.1	0.000809	97.9	80 - 120				
Zinc	0.2864	0.00500	0.1	0.1883	98.2	80 - 120				

Revision: 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214521 (0) **Instrument: ICPMS05** **Method: METALS BY ICPMS BY SW6020A**

SD Sample ID: **HS24061330-04SD** Units: **mg/L** Analysis Date: **09-Jul-2024 11:40**
Client ID: **ICT8_062024** Run ID: **ICPMS05_471442** SeqNo: **8127965** PrepDate: **05-Jul-2024** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	0.00625	0.0250					0.000983	0	10	U
Arsenic	0.00625	0.0250					0.00166	0	10	U
Barium	0.4065	0.0250					0.4022	1.08	10	
Beryllium	0.00250	0.0100					0	0	10	U
Cadmium	0.00250	0.0100					0.000231	0	10	U
Calcium	12.23	2.50					12.1	1.1	10	
Chromium	0.002791	0.0250					0.00607	0	10	J
Cobalt	0.002698	0.0250					0.002507	0	10	J
Copper	0.06127	0.0250					0.05838	4.96	10	
Iron	3.513	1.00					3.55	1.02	10	
Lead	0.00625	0.0250					0	0	10	U
Magnesium	9.756	1.00					9.599	1.64	10	
Manganese	0.3923	0.0250					0.3856	1.73	10	
Nickel	0.01787	0.0250					0.01683	0	10	J
Potassium	1.079	1.00					1.098	1.73	10	
Selenium	0.00625	0.0250					0	0	10	U
Silver	0.00250	0.0250					0	0	10	U
Sodium	58.94	1.00					57.74	2.07	10	
Thallium	0.00250	0.0100					0.000543	0	10	U
Vanadium	0.00625	0.0250					0.000809	0	10	U
Zinc	0.1973	0.0250					0.1883	4.79	10	

The following samples were analyzed in this batch:

HS24061330-04	HS24061330-06	HS24061330-07	HS24061330-08
HS24061330-09	HS24061330-10	HS24061330-11	HS24061330-12
HS24061330-13	HS24061330-14	HS24061330-15	HS24061330-16
HS24061330-17	HS24061330-18	HS24061330-19	HS24061330-20
HS24061330-21	HS24061330-22	HS24061330-23	

Revision: 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214537 (0) **Instrument: HG04** **Method: MERCURY BY SW7470A**

MBLK Sample ID: **MBLK-214537** Units: **mg/L** Analysis Date: **05-Jul-2024 12:51**
Client ID: Run ID: **HG04_471330** SeqNo: **8125388** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000100	0.000200								U

LCS Sample ID: **LCS-214537** Units: **mg/L** Analysis Date: **05-Jul-2024 12:53**
Client ID: Run ID: **HG04_471330** SeqNo: **8125389** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00488	0.000200	0.005	0	97.6	82 - 119				

MS Sample ID: **HS24061330-04MS** Units: **mg/L** Analysis Date: **05-Jul-2024 13:07**
Client ID: **ICT8_062024** Run ID: **HG04_471330** SeqNo: **8125361** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00489	0.000200	0.005	-0.00001200	98.0	82 - 119				

MSD Sample ID: **HS24061330-04MSD** Units: **mg/L** Analysis Date: **05-Jul-2024 13:09**
Client ID: **ICT8_062024** Run ID: **HG04_471330** SeqNo: **8125362** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00478	0.000200	0.005	-0.00001200	95.8	82 - 119	0.004890	2.28	20	

The following samples were analyzed in this batch:

HS24061330-01	HS24061330-02	HS24061330-03	HS24061330-04
HS24061330-05	HS24061330-06	HS24061330-07	HS24061330-08
HS24061330-09	HS24061330-10	HS24061330-11	HS24061330-12
HS24061330-13	HS24061330-14	HS24061330-15	HS24061330-16
HS24061330-17	HS24061330-18	HS24061330-19	HS24061330-20

Revision: 1

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

QC BATCH REPORT

Batch ID: 214538 (0) **Instrument: HG04** **Method: MERCURY BY SW7470A**

MBLK Sample ID: **MBLK-214538** Units: **mg/L** Analysis Date: **05-Jul-2024 13:53**
Client ID: Run ID: **HG04_471330** SeqNo: **8125384** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000100	0.000200								U

LCS Sample ID: **LCS-214538** Units: **mg/L** Analysis Date: **05-Jul-2024 13:55**
Client ID: Run ID: **HG04_471330** SeqNo: **8125385** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00550	0.000200	0.005	0	110	82 - 119				

MS Sample ID: **HS24061330-21MS** Units: **mg/L** Analysis Date: **05-Jul-2024 13:58**
Client ID: **ICT14C_062024** Run ID: **HG04_471330** SeqNo: **8125387** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00467	0.000200	0.005	0.000008000	93.2	82 - 119				

MSD Sample ID: **HS24061330-21MSD** Units: **mg/L** Analysis Date: **05-Jul-2024 14:00**
Client ID: **ICT14C_062024** Run ID: **HG04_471330** SeqNo: **8125392** PrepDate: **05-Jul-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00467	0.000200	0.005	0.000008000	93.2	82 - 119	0.004670	0	20	

The following samples were analyzed in this batch: HS24061330-21 HS24061330-22 HS24061330-23

Revision: 1

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ALS Houston, US Date: 07-Sep-24

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: **HS24061330**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

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CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L22-90-R2	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US Date: 07-Sep-24

Sample Receipt Checklist

Work Order ID: HS24061330 **Date/Time Received:** 21-Jun-2024 09:15

Client Name: Bhate Environmental **Received by:** Belinda Gomez

Completed By: /S/ Rajen Giga (eSignature) 21-Jun-2024 12:21 (Date/Time) **Reviewed by:** /S/ Luis.Aguilar (eSignature) 24-Jun-2024 07:48 (Date/Time)

Matrices: GW Carrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	3 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:CLIENT
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.1uc/2.2c	IR31	
Cooler(s)/Kit(s):	Blue		
Date/Time sample(s) sent to storage:	06/21/2024 12:30		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

bhate

Page: _____ of _____

Project/Phase No: JVPCIBH.0001

HS24061330

1608 13th Avenue South, Suite 300
Birmingham Alabama 35205
Tel: 205-918-4000
Fax: 205-918-4050

Chain of Custody and Analytical Request

Bhate Environmental Associates, Inc.
LHAAP / ICT Wells

Facility/Base I.D.: LHAAP

Project/Site Name: LHAAP / ICT Wells

Client Name:

Collected by: Scott Beesinger

Field Sample ID (30 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Sample Analysis Requested [5]: Number of containers	VOC	PERCHLORATE	TOTAL METALS								Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
ICT2_062024	20 Jun 2024	06:40	-	N		WG	5	X	X	X											
ICT4_062024	20 Jun 2024	06:54	-	N		WG	5	X	X	X											
ICT7_062024	20 Jun 2024	07:03	-	N		WG	5	X	X	X											
ICT8_062024	20 Jun 2024	07:12		N		WG	5	X	X	X											
ICT8_062024_MS	20 Jun 2024	07:12		MS		WG	5	X	X	X											
ICT8_062024_MSD	20 Jun 2024	07:12	-	SD		WG	5	X	X	X											
ICT11_062024	20 Jun 2024	07:28	-	N		WG	5	X	X	X											
ICT12A_062024	20 Jun 2024	07:38	-	N		WG	5	X	X	X											
ICT12B_062024	20 Jun 2024	07:45	-	N		WG	5	X	X	X											
ICT12C_062024	20 Jun 2024	07:52	-	N		WG	5	X	X	X											
ICT12D_062024	20 Jun 2024	08:00	-	N		WG	5	X	X	X											

COMMENTS: Standard TAT THIS UFD.1 2.1 BLUE

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. Scott Beesinger	6/20/24	1430	1.	6/21/24	0915
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.:

Method of Shipment: _____

_____ Fed Ex _____ Airbill Number:

_____ Analytical Lab: ALS 10450 Stanslliff Rd. Suite 210 Houston, TX 77099 (281) 530-5656

ATTN. SONIA WEST Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

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Page: of

Project/Phase No: JVPCIBH.0001

1608 13th Avenue South, Suite 300
Birmingham Alabama 35205
Tel: 205-918-4000
Fax: 205-918-4050

Chain of Custody and Analytical Request

HS24061330

Bhate Environmental Associates, Inc.
LHAAP / ICT Wells

Facility/Base I.D.: LHAAP

Project/Site Name: LHAAP / ICT Wells

Client Name:

Collected by: Scott Beesinger

Field Sample ID (30 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Sample Analysis Requested (5): Number of containers	VOC	PERCHLORATE	TOTAL METALS							Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
ICT12D_062024_a	20 Jun 2024	08:00	-	FD		WG	5	X	X	X										
ICT12E_062024	20 Jun 2024	08:10	-	N		WG	5	X	X	X										
ICT13A_062024	20 Jun 2024	08:18	-	N		WG	5	X	X	X										
ICT13B_061924	20 Jun 2024	08:25		N		WG	5	X	X	X										
ICT13C_062024	20 Jun 2024	08:34		N		WG	5	X	X	X										
ICT13D_062024	20 Jun 2024	08:43	-	N		WG	5	X	X	X										
ICT13D_062024_a	20 Jun 2024	08:43	-	FD		WG	5	X	X	X										
ICT13E_062024	20 Jun 2024	08:55	-	N		WG	5	X	X	X										
ICT13F_062024	20 Jun 2024	09:02	-	N		WG	5	X	X	X										
ICT14A_062024	20 Jun 2024	09:14	-	N		WG	5	X	X	X										
ICT14B_062024	20 Jun 2024	09:22	-	N		WG	5	X	X	X										

COMMENTS: Standard TAT

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. Scott B. Beesinger	6/20/24	1430	1.	6/21/24	0951
2.			2.		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.:

_____ Method of Shipment: _____

_____ Fed Ex _____ Airbill Number:

_____ Analytical Lab: ALS 10450 Stanclift Rd, Suite 210 Houston, TX 77099 (281) 530-5656

ATTN, SONJA WEST Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

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Page: _____ of _____

Project/Phase No: JVPCIBH.0001

1608 13th Avenue South, Suite 300
Birmingham Alabama 35205
Tel: 205-918-4000
Fax: 205-918-4050

Chain of Custody and Analytical Request

HS24061330

Bhate Environmental Associates, Inc.

LHAAP / ICT Wells

Facility/Base I.D.: LHAAP

Project/Site Name: LHAAP / ICT Wells

Client Name:

Collected by: Scott Beesinger

Field Sample ID (30 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Sample Analysis Requested (5): Number of containers	VOC	PERCHLORATE	TOTAL METALS							Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	COC
ICT14C_062024	20 Jun 2024	09:27	-	N		WG	5	X	X	X										
ICT14D_062024	20 Jun 2024	09:35	-	N		WG	5	X	X	X										
ICT14E_062024	20 Jun 2024	09:42	-	N		WG	5	X	X	X										
Trip Blank	20 Jun 2024			TB		W	2	X												
			-																	
			-																	
			-																	
			-																	
			-																	
			-																	

COMMENTS: Standard TAT

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	6/20/24	1430	[signature]	6/21/24	0715
2.						
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

_____ Method of Shipment: _____

_____ Fed Ex _____ Airbill Number: _____

_____ Analytical Lab: ALS 10450 Stancliff Rd. Suite 210 Houston, TX 77099 (281) 530-5656

ATTN: SONIA WEST Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

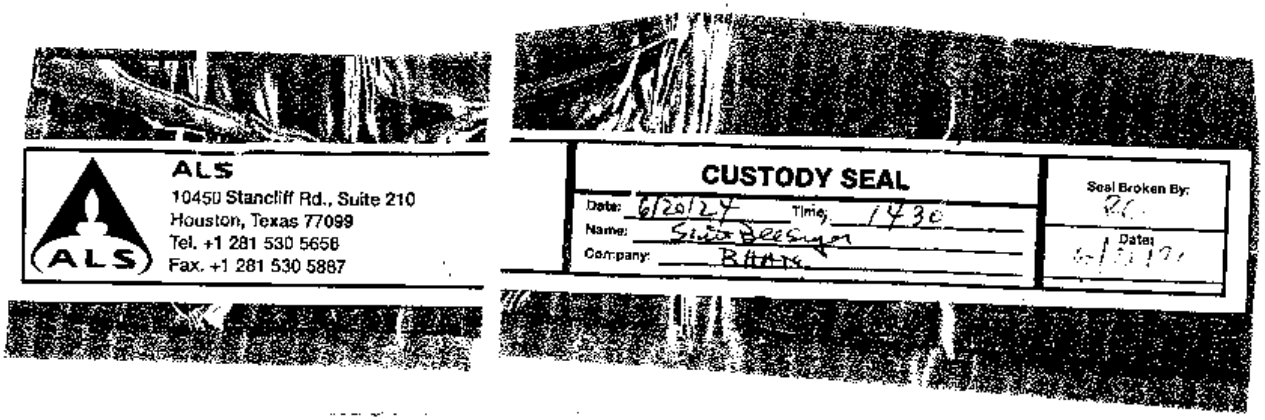
3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

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ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
Date: 6/20/24 Time: 1430
Name: Silvia Beesley
Company: Bitura

Seal Broken By:
Date:

(281) 530-5656
REF: LHAAP-18 24 (1 OF 2)=BO 93545-JG

FedEx Express

FedEx
Rel# 3221 6230 3000 9534

FRI - 21 JUN AA
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US
IAH

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Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | Fax: 717-944-1430 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 | Fax: 717-944-1430 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For **ALS Environmental-Houston**

Project AHH130|HS24061330
Workorder 3366026
Report ID 336403 on 7/9/2024

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jun 26, 2024.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Sarah Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
Dayna Fisher - ALS Environmental-Houston
Jumoke Lawal - ALS Environmental-Houston
Luis Aguilar - ALS Houston

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Sarah Leung

Sarah Leung *(ALS Digital Signature)*
Project Coordinator

Project AHH130|HS24061330
Workorder 3366026

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3366026001	ICT2_062024	Ground Water	06/20/2024 06:40	06/26/2024 09:36	CBC	Collected By Client
3366026002	ICT4_062024	Ground Water	06/20/2024 06:54	06/26/2024 09:36	CBC	Collected By Client
3366026003	ICT7_062024	Ground Water	06/20/2024 07:03	06/26/2024 09:36	CBC	Collected By Client
3366026004	ICT8_062024	Ground Water	06/20/2024 07:12	06/26/2024 09:36	CBC	Collected By Client
3366026005	ICT11_062024	Ground Water	06/20/2024 07:28	06/26/2024 09:36	CBC	Collected By Client
3366026006	ICT12A_062024	Ground Water	06/20/2024 07:38	06/26/2024 09:36	CBC	Collected By Client
3366026007	ICT12B_062024	Ground Water	06/20/2024 07:45	06/26/2024 09:36	CBC	Collected By Client
3366026008	ICT12C_062024	Ground Water	06/20/2024 07:52	06/26/2024 09:36	CBC	Collected By Client
3366026009	ICT12D_062024	Ground Water	06/20/2024 08:00	06/26/2024 09:36	CBC	Collected By Client
3366026010	ICT12D_062024_a	Ground Water	06/20/2024 08:00	06/26/2024 09:36	CBC	Collected By Client
3366026011	ICT12E_062024	Ground Water	06/20/2024 08:10	06/26/2024 09:36	CBC	Collected By Client
3366026012	ICT13A_062024	Ground Water	06/20/2024 08:18	06/26/2024 09:36	CBC	Collected By Client
3366026013	ICT13B_062024	Ground Water	06/20/2024 08:25	06/26/2024 09:36	CBC	Collected By Client
3366026014	ICT13C_062024	Ground Water	06/20/2024 08:34	06/26/2024 09:36	CBC	Collected By Client
3366026015	ICT13D_062024	Ground Water	06/20/2024 08:43	06/26/2024 09:36	CBC	Collected By Client
3366026016	ICT13E_062024	Ground Water	06/20/2024 08:55	06/26/2024 09:36	CBC	Collected By Client
3366026017	ICT13F_062024	Ground Water	06/20/2024 09:02	06/26/2024 09:36	CBC	Collected By Client
3366026018	ICT14A_062024	Ground Water	06/20/2024 09:14	06/26/2024 09:36	CBC	Collected By Client
3366026019	ICT14B_062024	Ground Water	06/20/2024 09:22	06/26/2024 09:36	CBC	Collected By Client
3366026020	ICT14C_062024	Ground Water	06/20/2024 09:27	06/26/2024 09:36	CBC	Collected By Client
3366026021	ICT14D_062024	Ground Water	06/20/2024 09:35	06/26/2024 09:36	CBC	Collected By Client
3366026022	ICT14E_062024	Ground Water	06/20/2024 09:42	06/26/2024 09:36	CBC	Collected By Client
3366026023	CG-041923-962	Ground Water	06/20/2024 00:00	06/26/2024 09:36	CBC	Collected By Client
3366026024	ICT13D_062024_a	Ground Water	06/20/2024 08:43	06/26/2024 09:36	CBC	Collected By Client

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Project AHH130|HS24061330
Workorder 3366026

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

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Project AHH130|HS24061330
Workorder 3366026

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte 1,2-Dichloroethane. The % Recovery was reported as 72.5 and the control limits were 73 to 128.
2	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte 1,2-Dichloroethane. The % Recovery was reported as 67.4 and the control limits were 73 to 128.
3	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte 1,1-Dichloroethene. The % Recovery was reported as 32.7 and the control limits were 71 to 131.
4	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte 1,1-Dichloroethene. The % Recovery was reported as 11.3 and the control limits were 71 to 131.
5	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte trans-1,2-Dichloroethene. The % Recovery was reported as 138 and the control limits were 75 to 124.
6	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte trans-1,2-Dichloroethene. The % Recovery was reported as 127 and the control limits were 75 to 124.
7	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte Tetrachloroethene. The % Recovery was reported as 73.8 and the control limits were 74 to 129.
8	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte Vinyl Chloride. The % Recovery was reported as 12.5 and the control limits were 58 to 137.
9	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte Vinyl Chloride. The % Recovery was reported as -20.1 and the control limits were 58 to 137.

Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT2_062024	Collected	06/20/2024 06:40
Lab Sample ID	3366026001	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,2-Dichloroethane	0.51J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	6.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	1.4	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
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Detected Results Summary

Client Sample ID	ICT4_062024	Collected	06/20/2024 06:54
Lab Sample ID	3366026002	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,2-Trichloroethane	0.36J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	50.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
Benzene	0.60J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Carbon Tetrachloride	3.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	679	ug/L	20.0	15.0	6.6	SW846 8260D	#
Tetrachloroethene	0.47J	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	3.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	1560	ug/L	20.0	15.0	6.6	SW846 8260D	#
Vinyl Chloride	2.9	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT7_062024	Collected	06/20/2024 07:03
Lab Sample ID	3366026003	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Trichloroethene	0.86J	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT8_062024	Collected	06/20/2024 07:12
Lab Sample ID	3366026004	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,2-Trichloroethane	0.57J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	67.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	20.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Benzene	1.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Carbon Tetrachloride	1.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	3.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	1820	ug/L	50.0	37.5	16.5	SW846 8260D	#
Methylene Chloride	1220	ug/L	50.0	37.5	16.5	SW846 8260D	#
Tetrachloroethene	51.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	0.80J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	1400	ug/L	50.0	37.5	16.5	SW846 8260D	#
Vinyl Chloride	106	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT11_062024	Collected	06/20/2024 07:28
Lab Sample ID	3366026005	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1-Dichloroethene	0.66J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Carbon Tetrachloride	0.68J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	1.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	25.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	0.42J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	218	ug/L	5.0	3.8	1.7	SW846 8260D	#
Vinyl Chloride	0.47J	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12A_062024	Collected	06/20/2024 07:38
Lab Sample ID	3366026006	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1-Dichloroethene	1.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	2.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	53.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	0.64J	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	0.51J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	496	ug/L	10.0	7.5	3.3	SW846 8260D	#
Vinyl Chloride	0.36J	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12B_062024	Collected	06/20/2024 07:45
Lab Sample ID	3366026007	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Benzene	1.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Carbon Tetrachloride	34.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	35.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloromethane	0.33J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	105	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	2.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	0.80J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	5290	ug/L	100	75.0	33.0	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12C_062024	Collected	06/20/2024 07:52
Lab Sample ID	3366026008	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	183	ug/L	20.0	15.0	6.6	SW846 8260D	#
Trichloroethene	1030	ug/L	20.0	15.0	6.6	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12D_062024	Collected	06/20/2024 08:00
Lab Sample ID	3366026009	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
1,1,2-Trichloroethane	2.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethane	22.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	156	ug/L	100	75.0	33.0	SW846 8260D	#
1,2,4-Trimethylbenzene	0.95J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichlorobenzene	0.53J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	158	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,3,5-Trimethylbenzene	0.40J	ug/L	1.0	0.75	0.33	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	2.5J	ug/L	5.0	3.8	1.6	SW846 8260D	#
Chloroform	15.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	21900	ug/L	500	375	165	SW846 8260D	#
Ethylbenzene	12.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
Isopropylbenzene	0.36J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Methylene Chloride	1670	ug/L	100	75.0	33.0	SW846 8260D	#
mp-Xylene	2.3	ug/L	2.0	1.5	0.66	SW846 8260D	#
Naphthalene	0.93J	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	1.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	0.78J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	11.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	8.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	18.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	10900	ug/L	100	75.0	33.0	SW846 8260D	#
Vinyl Chloride	364	ug/L	100	75.0	33.0	SW846 8260D	#

Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12D_062024_a	Collected	06/20/2024 08:00
Lab Sample ID	3366026010	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,1-Trichloroethane	1.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1,2-Trichloroethane	2.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethane	19.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2,4-Trimethylbenzene	0.99J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichlorobenzene	0.46J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	143	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,3,5-Trimethylbenzene	0.41J	ug/L	1.0	0.75	0.33	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	2.2J	ug/L	5.0	3.8	1.6	SW846 8260D	#
Acetone	12.5	ug/L	5.0	3.8	1.6	SW846 8260D	#
Chloroform	14.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	21700	ug/L	500	375	165	SW846 8260D	#
Ethylbenzene	10.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
Isopropylbenzene	0.37J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Methylene Chloride	2170	ug/L	100	75.0	33.0	SW846 8260D	#
mp-Xylene	2.2	ug/L	2.0	1.5	0.66	SW846 8260D	#
Naphthalene	0.89J	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	1.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	0.66J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	9.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	7.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	17.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	11600	ug/L	100	75.0	33.0	SW846 8260D	#
Vinyl Chloride	534	ug/L	100	75.0	33.0	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12E_062024	Collected	06/20/2024 08:10
Lab Sample ID	3366026011	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,1-Trichloroethane	5.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1,2-Trichloroethane	4.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethane	45.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	340	ug/L	100	75.0	33.0	SW846 8260D	#
1,2,4-Trimethylbenzene	1.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichlorobenzene	0.81J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,3,5-Trimethylbenzene	0.57J	ug/L	1.0	0.75	0.33	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	1.9J	ug/L	5.0	3.8	1.6	SW846 8260D	#
Acetone	32.1	ug/L	5.0	3.8	1.6	SW846 8260D	#
Benzene	3.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	25.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	17900	ug/L	500	375	165	SW846 8260D	#
Ethylbenzene	2.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Isopropylbenzene	0.46J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Methylene Chloride	205	ug/L	100	75.0	33.0	SW846 8260D	#
mp-Xylene	3.7	ug/L	2.0	1.5	0.66	SW846 8260D	#
Naphthalene	1.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	3.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	7.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	7.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	6.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	23.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	18200	ug/L	500	375	165	SW846 8260D	#
Vinyl Chloride	161	ug/L	100	75.0	33.0	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13A_062024	Collected	06/20/2024 08:18
Lab Sample ID	3366026012	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1-Dichloroethene	7.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	8.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloromethane	0.38J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	38.1	ug/L	5.0	3.8	1.7	SW846 8260D	#
Methylene Chloride	1.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	0.65J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	2.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	1.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	375	ug/L	5.0	3.8	1.7	SW846 8260D	#
Vinyl Chloride	1.3	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13B_062024	Collected	06/20/2024 08:25
Lab Sample ID	3366026013	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	1.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	8.4	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13C_062024	Collected	06/20/2024 08:34
Lab Sample ID	3366026014	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	7.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	14.6	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13D_062024	Collected	06/20/2024 08:43
Lab Sample ID	3366026015	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	21.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	27.7	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13E_062024	Collected	06/20/2024 08:55
Lab Sample ID	3366026016	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	4.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	8.1	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13F_062024	Collected	06/20/2024 09:02
Lab Sample ID	3366026017	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	2.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	3.1	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT14A_062024	Collected	06/20/2024 09:14
Lab Sample ID	3366026018	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	20.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	14.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Vinyl Chloride	0.84J	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT14B_062024	Collected	06/20/2024 09:22
Lab Sample ID	3366026019	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1-Dichloroethane	0.71J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	3.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	0.38J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	13.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	0.50J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	86.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
Vinyl Chloride	2.6	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT14C_062024	Collected	06/20/2024 09:27
Lab Sample ID	3366026020	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,2,2-Tetrachloroethane	0.72J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1,2-Trichloroethane	3.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	190	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	22.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	7230	ug/L	100	75.0	33.0	SW846 8260D	#
Isopropylbenzene	0.36J	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	0.79J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	10.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	0.89J	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	43.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	6000	ug/L	100	75.0	33.0	SW846 8260D	#
Vinyl Chloride	768	ug/L	100	75.0	33.0	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT14D_062024	Collected	06/20/2024 09:35
Lab Sample ID	3366026021	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1,2-Trichloroethane	5.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2,4-Trimethylbenzene	1.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,3,5-Trimethylbenzene	0.41J	ug/L	1.0	0.75	0.33	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	3.3J	ug/L	5.0	3.8	1.6	SW846 8260D	#
Chloroform	20.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	9530	ug/L	100	75.0	33.0	SW846 8260D	#
Ethylbenzene	12.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
Isopropylbenzene	0.50J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Methylene Chloride	6000	ug/L	100	75.0	33.0	SW846 8260D	#
mp-Xylene	3.8	ug/L	2.0	1.5	0.66	SW846 8260D	#
Naphthalene	1.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	2.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	20.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	9.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	105	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	2190	ug/L	100	75.0	33.0	SW846 8260D	#
Vinyl Chloride	3060	ug/L	100	75.0	33.0	SW846 8260D	#

Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT14E_062024	Collected	06/20/2024 09:42
Lab Sample ID	3366026022	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Bromomethane	2.7J	ug/L	5.0	3.8	1.7	SW846 8260D	#
cis-1,2-Dichloroethene	7.5	ug/L	5.0	3.8	1.7	SW846 8260D	#
Trichloroethene	448	ug/L	5.0	3.8	1.7	SW846 8260D	#
Vinyl Chloride	2.2J	ug/L	5.0	3.8	1.7	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	CG-041923-962	Collected	06/20/2024 00:00
Lab Sample ID	3366026023	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Methylene Chloride	0.46J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichlorofluoromethane	2.3	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13D_062024_a	Collected	06/20/2024 08:43
Lab Sample ID	3366026024	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Chloromethane	0.41J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	10.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	16.4	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT2_062024	Collected	06/20/2024 06:40
Lab Sample ID	3366026001	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dichloroethane	0.51J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
cis-1,2-Dichloroethene	6.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 13:27	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 13:27	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT2_062024	Collected	06/20/2024 06:40
Lab Sample ID	3366026001	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Trichloroethene	1.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	107%	81 – 118	06/28/2024 13:27	
4-Bromofluorobenzene	460-00-4	92.6%	85 – 114	06/28/2024 13:27	
Dibromofluoromethane	1868-53-7	97.1%	80 – 119	06/28/2024 13:27	
Toluene-d8	2037-26-5	102%	89 – 112	06/28/2024 13:27	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT4_062024	Collected	06/20/2024 06:54
Lab Sample ID	3366026002	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1,2-Trichloroethane	0.36J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dichloroethane	50.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
Benzene	0.60J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Carbon Tetrachloride	3.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
cis-1,2-Dichloroethene	679		ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 13:17	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 13:47	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 13:47	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT4_062024	Collected	06/20/2024 06:54
Lab Sample ID	3366026002	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Tetrachloroethene	0.47J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
trans-1,2-Dichloroethene	3.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Trichloroethene	1560		ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 13:17	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Vinyl Chloride	2.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.6%	81 – 118	07/01/2024 13:17	
1,2-Dichloroethane-d4	17060-07-0	111%	81 – 118	06/28/2024 13:47	
4-Bromofluorobenzene	460-00-4	97.7%	85 – 114	07/01/2024 13:17	
4-Bromofluorobenzene	460-00-4	100%	85 – 114	06/28/2024 13:47	
Dibromofluoromethane	1868-53-7	93.2%	80 – 119	07/01/2024 13:17	
Dibromofluoromethane	1868-53-7	90.8%	80 – 119	06/28/2024 13:47	
Toluene-d8	2037-26-5	100%	89 – 112	07/01/2024 13:17	
Toluene-d8	2037-26-5	98.9%	89 – 112	06/28/2024 13:47	

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Workorder 3366026

Results

Client Sample ID	ICT7_062024	Collected	06/20/2024 07:03
Lab Sample ID	3366026003	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
cis-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 11:35	TMP	B
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 11:35	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT7_062024	Collected	06/20/2024 07:03
Lab Sample ID	3366026003	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Trichloroethene	0.86J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.2%	81 – 118	07/01/2024 11:35	
4-Bromofluorobenzene	460-00-4	91%	85 – 114	07/01/2024 11:35	
Dibromofluoromethane	1868-53-7	91.9%	80 – 119	07/01/2024 11:35	
Toluene-d8	2037-26-5	99%	89 – 112	07/01/2024 11:35	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT8_062024	Collected	06/20/2024 07:12
Lab Sample ID	3366026004	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1,2-Trichloroethane	0.57J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1-Dichloroethene	67.9	3,4	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dichloroethane	20.7	1,2	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
Benzene	1.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Carbon Tetrachloride	1.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chloroform	3.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
cis-1,2-Dichloroethene	1820		ug/L	50.0	37.5	16.5	SW846 8260D	50	07/03/2024 13:30	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/02/2024 13:33	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Methylene Chloride	1220		ug/L	50.0	37.5	16.5	SW846 8260D	50	07/03/2024 13:30	TMP	C
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/02/2024 13:33	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT8_062024	Collected	06/20/2024 07:12
Lab Sample ID	3366026004	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Tetrachloroethene	51.4	7	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Toluene	0.80J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
trans-1,2-Dichloroethene	0.75U	U,5,6	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Trichloroethene	1400		ug/L	50.0	37.5	16.5	SW846 8260D	50	07/03/2024 13:30	TMP	C
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Vinyl Chloride	106	8,9	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	81 – 118	07/03/2024 13:30	
1,2-Dichloroethane-d4	17060-07-0	113%	81 – 118	07/02/2024 13:33	
4-Bromofluorobenzene	460-00-4	104%	85 – 114	07/03/2024 13:30	
4-Bromofluorobenzene	460-00-4	103%	85 – 114	07/02/2024 13:33	
Dibromofluoromethane	1868-53-7	102%	80 – 119	07/03/2024 13:30	
Dibromofluoromethane	1868-53-7	98.9%	80 – 119	07/02/2024 13:33	
Toluene-d8	2037-26-5	101%	89 – 112	07/03/2024 13:30	
Toluene-d8	2037-26-5	103%	89 – 112	07/02/2024 13:33	

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Workorder 3366026

Results

Client Sample ID	ICT11_062024	Collected	06/20/2024 07:28
Lab Sample ID	3366026005	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1-Dichloroethene	0.66J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Carbon Tetrachloride	0.68J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chloroform	1.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
cis-1,2-Dichloroethene	25.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 14:28	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 14:28	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT11_062024	Collected	06/20/2024 07:28
Lab Sample ID	3366026005	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
trans-1,2-Dichloroethene	0.42J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Trichloroethene	218		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/01/2024 13:37	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Vinyl Chloride	0.47J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	81 – 118	07/01/2024 13:37	
1,2-Dichloroethane-d4	17060-07-0	107%	81 – 118	06/28/2024 14:28	
4-Bromofluorobenzene	460-00-4	102%	85 – 114	07/01/2024 13:37	
4-Bromofluorobenzene	460-00-4	108%	85 – 114	06/28/2024 14:28	
Dibromofluoromethane	1868-53-7	99.1%	80 – 119	07/01/2024 13:37	
Dibromofluoromethane	1868-53-7	96.1%	80 – 119	06/28/2024 14:28	
Toluene-d8	2037-26-5	107%	89 – 112	07/01/2024 13:37	
Toluene-d8	2037-26-5	104%	89 – 112	06/28/2024 14:28	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12A_062024	Collected	06/20/2024 07:38
Lab Sample ID	3366026006	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1-Dichloroethene	1.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chloroform	2.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
cis-1,2-Dichloroethene	53.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 14:48	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 14:48	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12A_062024	Collected	06/20/2024 07:38
Lab Sample ID	3366026006	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Styrene	0.64J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
trans-1,2-Dichloroethene	0.51J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Trichloroethene	496		ug/L	10.0	7.5	3.3	SW846 8260D	10	07/01/2024 13:58	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Vinyl Chloride	0.36J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/01/2024 13:58	
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	06/28/2024 14:48	
4-Bromofluorobenzene	460-00-4	97.1%	85 – 114	07/01/2024 13:58	
4-Bromofluorobenzene	460-00-4	96.9%	85 – 114	06/28/2024 14:48	
Dibromofluoromethane	1868-53-7	98.9%	80 – 119	07/01/2024 13:58	
Dibromofluoromethane	1868-53-7	90.3%	80 – 119	06/28/2024 14:48	
Toluene-d8	2037-26-5	103%	89 – 112	07/01/2024 13:58	
Toluene-d8	2037-26-5	98.4%	89 – 112	06/28/2024 14:48	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12B_062024	Collected	06/20/2024 07:45
Lab Sample ID	3366026007	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
Benzene	1.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Carbon Tetrachloride	34.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chloroform	35.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chloromethane	0.33J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
cis-1,2-Dichloroethene	105		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 15:09	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 15:09	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12B_062024	Collected	06/20/2024 07:45
Lab Sample ID	3366026007	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Tetrachloroethene	2.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
trans-1,2-Dichloroethene	0.80J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Trichloroethene	5290		ug/L	100	75.0	33.0	SW846 8260D	100	07/01/2024 14:18	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	100%	81 – 118	07/01/2024 14:18	
1,2-Dichloroethane-d4	17060-07-0	114%	81 – 118	06/28/2024 15:09	
4-Bromofluorobenzene	460-00-4	99.3%	85 – 114	07/01/2024 14:18	
4-Bromofluorobenzene	460-00-4	97.9%	85 – 114	06/28/2024 15:09	
Dibromofluoromethane	1868-53-7	92.8%	80 – 119	07/01/2024 14:18	
Dibromofluoromethane	1868-53-7	102%	80 – 119	06/28/2024 15:09	
Toluene-d8	2037-26-5	101%	89 – 112	07/01/2024 14:18	
Toluene-d8	2037-26-5	103%	89 – 112	06/28/2024 15:09	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12C_062024	Collected	06/20/2024 07:52
Lab Sample ID	3366026008	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1,1-Trichloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1,2,2-Tetrachloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1,2-Trichloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1-Dichloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1-Dichloroethene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1-Dichloropropene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2,3-Trichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2,3-Trichloropropane	50.0U	U	ug/L	100	50.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2,4-Trichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2,4-Trimethylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dibromo-3-chloropropane	50.0U	U	ug/L	100	50.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dibromoethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dichloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dichloropropane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,3,5-Trimethylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,3-Dichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,3-Dichloropropane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,4-Dichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
2,2-Dichloropropane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
2-Butanone	75.0U	U	ug/L	100	75.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
2-Hexanone	75.0U	U	ug/L	100	75.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
4-Methyl-2-Pentanone(MIBK)	75.0U	U	ug/L	100	75.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
Acetone	75.0U	U	ug/L	100	75.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
Benzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromobenzene	15.0U	U	ug/L	20.0	15.0	4.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromochloromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromodichloromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromoform	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromomethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Carbon Disulfide	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Carbon Tetrachloride	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chlorodibromomethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chloroform	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chloromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
cis-1,2-Dichloroethene	183		ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
cis-1,3-Dichloropropene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Dibromomethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Dichlorodifluoromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Ethylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Hexachlorobutadiene	75.0U	U	ug/L	100	75.0	8.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Isopropylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Methylene Chloride	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
mp-Xylene	30.0U	U	ug/L	40.0	30.0	13.2	SW846 8260D	20	07/01/2024 14:39	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12C_062024	Collected	06/20/2024 07:52
Lab Sample ID	3366026008	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
n-Butylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
n-Propylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
o-Chlorotoluene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
o-Xylene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
p-Chlorotoluene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
p-Isopropyltoluene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
sec-Butylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Styrene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
tert-Butylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Tetrachloroethene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Toluene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
trans-1,2-Dichloroethene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
trans-1,3-Dichloropropene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Trichloroethene	1030		ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Trichlorofluoromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Vinyl Chloride	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.9%	81 – 118	07/01/2024 14:39	
4-Bromofluorobenzene	460-00-4	97.6%	85 – 114	07/01/2024 14:39	
Dibromofluoromethane	1868-53-7	94.7%	80 – 119	07/01/2024 14:39	
Toluene-d8	2037-26-5	102%	89 – 112	07/01/2024 14:39	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12D_062024	Collected	06/20/2024 08:00
Lab Sample ID	3366026009	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1,2-Trichloroethane	2.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1-Dichloroethane	22.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1-Dichloroethene	156		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 13:12	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2,4-Trimethylbenzene	0.95J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dichlorobenzene	0.53J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dichloroethane	158		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,3,5-Trimethylbenzene	0.40J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
4-Methyl-2-Pentanone(MIBK)	2.5J	J	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chloroform	15.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
cis-1,2-Dichloroethene	21900		ug/L	500	375	165	SW846 8260D	500	07/03/2024 14:29	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Ethylbenzene	12.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 14:59	TMP	A
Isopropylbenzene	0.36J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Methylene Chloride	1670		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 13:12	TMP	B
mp-Xylene	2.3		ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 14:59	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12D_062024	Collected	06/20/2024 08:00
Lab Sample ID	3366026009	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.93J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
o-Xylene	1.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Styrene	0.78J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Tetrachloroethene	11.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Toluene	8.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
trans-1,2-Dichloroethene	18.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Trichloroethene	10900		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 13:12	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Vinyl Chloride	364		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 13:12	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	81 – 118	07/02/2024 13:12	
1,2-Dichloroethane-d4	17060-07-0	99.5%	81 – 118	07/03/2024 14:29	
1,2-Dichloroethane-d4	17060-07-0	97.6%	81 – 118	07/01/2024 14:59	
4-Bromofluorobenzene	460-00-4	98.6%	85 – 114	07/02/2024 13:12	
4-Bromofluorobenzene	460-00-4	104%	85 – 114	07/03/2024 14:29	
4-Bromofluorobenzene	460-00-4	102%	85 – 114	07/01/2024 14:59	
Dibromofluoromethane	1868-53-7	96.4%	80 – 119	07/02/2024 13:12	
Dibromofluoromethane	1868-53-7	98.3%	80 – 119	07/03/2024 14:29	
Dibromofluoromethane	1868-53-7	94.3%	80 – 119	07/01/2024 14:59	
Toluene-d8	2037-26-5	102%	89 – 112	07/02/2024 13:12	
Toluene-d8	2037-26-5	100%	89 – 112	07/03/2024 14:29	
Toluene-d8	2037-26-5	101%	89 – 112	07/01/2024 14:59	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12D_062024_a	Collected	06/20/2024 08:00
Lab Sample ID	3366026010	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1,1-Trichloroethane	1.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1,2-Trichloroethane	2.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1-Dichloroethane	19.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2,4-Trimethylbenzene	0.99J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dichlorobenzene	0.46J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dichloroethane	143		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,3,5-Trimethylbenzene	0.41J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
4-Methyl-2-Pentanone(MIBK)	2.2J	J	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
Acetone	12.5		ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chloroform	14.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
cis-1,2-Dichloroethene	21700		ug/L	500	375	165	SW846 8260D	500	07/03/2024 14:49	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Ethylbenzene	10.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 15:19	TMP	A
Isopropylbenzene	0.37J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Methylene Chloride	2170		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:52	TMP	B
mp-Xylene	2.2		ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 15:19	TMP	A
Naphthalene	0.89J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12D_062024_a	Collected	06/20/2024 08:00
Lab Sample ID	3366026010	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
o-Xylene	1.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Styrene	0.66J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Tetrachloroethene	9.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Toluene	7.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
trans-1,2-Dichloroethene	17.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Trichloroethene	11600		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:52	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Vinyl Chloride	534		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:52	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	113%	81 – 118	07/02/2024 12:52	
1,2-Dichloroethane-d4	17060-07-0	97.7%	81 – 118	07/03/2024 14:49	
1,2-Dichloroethane-d4	17060-07-0	98%	81 – 118	07/01/2024 15:19	
4-Bromofluorobenzene	460-00-4	94.5%	85 – 114	07/02/2024 12:52	
4-Bromofluorobenzene	460-00-4	97.7%	85 – 114	07/03/2024 14:49	
4-Bromofluorobenzene	460-00-4	98.7%	85 – 114	07/01/2024 15:19	
Dibromofluoromethane	1868-53-7	100%	80 – 119	07/02/2024 12:52	
Dibromofluoromethane	1868-53-7	97.5%	80 – 119	07/03/2024 14:49	
Dibromofluoromethane	1868-53-7	91.2%	80 – 119	07/01/2024 15:19	
Toluene-d8	2037-26-5	103%	89 – 112	07/02/2024 12:52	
Toluene-d8	2037-26-5	100%	89 – 112	07/03/2024 14:49	
Toluene-d8	2037-26-5	97.6%	89 – 112	07/01/2024 15:19	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12E_062024	Collected	06/20/2024 08:10
Lab Sample ID	3366026011	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1,1-Trichloroethane	5.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1,2-Trichloroethane	4.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1-Dichloroethane	45.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1-Dichloroethene	340		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:31	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2,4-Trimethylbenzene	1.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dichlorobenzene	0.81J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,3,5-Trimethylbenzene	0.57J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
4-Methyl-2-Pentanone(MIBK)	1.9J	J	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
Acetone	32.1		ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
Benzene	3.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chloroform	25.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
cis-1,2-Dichloroethene	17900		ug/L	500	375	165	SW846 8260D	500	07/03/2024 15:09	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Ethylbenzene	2.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 15:40	TMP	A
Isopropylbenzene	0.46J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Methylene Chloride	205		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:31	TMP	B
mp-Xylene	3.7		ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 15:40	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12E_062024	Collected	06/20/2024 08:10
Lab Sample ID	3366026011	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	1.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
o-Xylene	3.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Styrene	7.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Tetrachloroethene	7.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Toluene	6.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
trans-1,2-Dichloroethene	23.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Trichloroethene	18200		ug/L	500	375	165	SW846 8260D	500	07/03/2024 15:09	TMP	C
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Vinyl Chloride	161		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:31	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	108%	81 – 118	07/02/2024 12:31	
1,2-Dichloroethane-d4	17060-07-0	99.2%	81 – 118	07/03/2024 15:09	
1,2-Dichloroethane-d4	17060-07-0	107%	81 – 118	07/01/2024 15:40	
4-Bromofluorobenzene	460-00-4	102%	85 – 114	07/02/2024 12:31	
4-Bromofluorobenzene	460-00-4	94.1%	85 – 114	07/03/2024 15:09	
4-Bromofluorobenzene	460-00-4	98.9%	85 – 114	07/01/2024 15:40	
Dibromofluoromethane	1868-53-7	97.7%	80 – 119	07/02/2024 12:31	
Dibromofluoromethane	1868-53-7	95.2%	80 – 119	07/03/2024 15:09	
Dibromofluoromethane	1868-53-7	93.4%	80 – 119	07/01/2024 15:40	
Toluene-d8	2037-26-5	102%	89 – 112	07/02/2024 12:31	
Toluene-d8	2037-26-5	96.4%	89 – 112	07/03/2024 15:09	
Toluene-d8	2037-26-5	98.7%	89 – 112	07/01/2024 15:40	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13A_062024	Collected	06/20/2024 08:18
Lab Sample ID	3366026012	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1-Dichloroethene	7.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dichloroethane	8.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chloromethane	0.38J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
cis-1,2-Dichloroethene	38.1		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 13:10	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 16:00	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Methylene Chloride	1.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 16:00	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13A_062024	Collected	06/20/2024 08:18
Lab Sample ID	3366026012	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Styrene	0.65J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Tetrachloroethene	2.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
trans-1,2-Dichloroethene	1.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Trichloroethene	375		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 13:10	TMP	C
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Vinyl Chloride	1.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/01/2024 16:00	
1,2-Dichloroethane-d4	17060-07-0	97.4%	81 – 118	07/03/2024 13:10	
4-Bromofluorobenzene	460-00-4	101%	85 – 114	07/01/2024 16:00	
4-Bromofluorobenzene	460-00-4	92.7%	85 – 114	07/03/2024 13:10	
Dibromofluoromethane	1868-53-7	94%	80 – 119	07/01/2024 16:00	
Dibromofluoromethane	1868-53-7	93.5%	80 – 119	07/03/2024 13:10	
Toluene-d8	2037-26-5	99.6%	89 – 112	07/01/2024 16:00	
Toluene-d8	2037-26-5	97.4%	89 – 112	07/03/2024 13:10	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13B_062024	Collected	06/20/2024 08:25
Lab Sample ID	3366026013	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
cis-1,2-Dichloroethene	1.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/02/2024 11:50	TMP	B
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/02/2024 11:50	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13B_062024	Collected	06/20/2024 08:25
Lab Sample ID	3366026013	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Trichloroethene	8.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	109%	81 – 118	07/02/2024 11:50	
4-Bromofluorobenzene	460-00-4	98.9%	85 – 114	07/02/2024 11:50	
Dibromofluoromethane	1868-53-7	97.6%	80 – 119	07/02/2024 11:50	
Toluene-d8	2037-26-5	104%	89 – 112	07/02/2024 11:50	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13C_062024	Collected	06/20/2024 08:34
Lab Sample ID	3366026014	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
cis-1,2-Dichloroethene	7.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 16:41	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 16:41	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13C_062024	Collected	06/20/2024 08:34
Lab Sample ID	3366026014	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Trichloroethene	14.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	81 – 118	07/01/2024 16:41	
4-Bromofluorobenzene	460-00-4	101%	85 – 114	07/01/2024 16:41	
Dibromofluoromethane	1868-53-7	92.2%	80 – 119	07/01/2024 16:41	
Toluene-d8	2037-26-5	103%	89 – 112	07/01/2024 16:41	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13D_062024	Collected	06/20/2024 08:43
Lab Sample ID	3366026015	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
cis-1,2-Dichloroethene	21.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 17:01	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 17:01	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13D_062024	Collected	06/20/2024 08:43
Lab Sample ID	3366026015	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Trichloroethene	27.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	81 – 118	07/01/2024 17:01	
4-Bromofluorobenzene	460-00-4	93.9%	85 – 114	07/01/2024 17:01	
Dibromofluoromethane	1868-53-7	94.9%	80 – 119	07/01/2024 17:01	
Toluene-d8	2037-26-5	99.2%	89 – 112	07/01/2024 17:01	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13E_062024	Collected	06/20/2024 08:55
Lab Sample ID	3366026016	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
cis-1,2-Dichloroethene	4.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 17:22	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 17:22	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13E_062024	Collected	06/20/2024 08:55
Lab Sample ID	3366026016	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Trichloroethene	8.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/01/2024 17:22	
4-Bromofluorobenzene	460-00-4	98.2%	85 – 114	07/01/2024 17:22	
Dibromofluoromethane	1868-53-7	92%	80 – 119	07/01/2024 17:22	
Toluene-d8	2037-26-5	101%	89 – 112	07/01/2024 17:22	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13F_062024	Collected	06/20/2024 09:02
Lab Sample ID	3366026017	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
cis-1,2-Dichloroethene	2.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 17:42	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 17:42	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13F_062024	Collected	06/20/2024 09:02
Lab Sample ID	3366026017	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Trichloroethene	3.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/01/2024 17:42	
4-Bromofluorobenzene	460-00-4	100%	85 – 114	07/01/2024 17:42	
Dibromofluoromethane	1868-53-7	93.8%	80 – 119	07/01/2024 17:42	
Toluene-d8	2037-26-5	102%	89 – 112	07/01/2024 17:42	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14A_062024	Collected	06/20/2024 09:14
Lab Sample ID	3366026018	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
cis-1,2-Dichloroethene	20.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 18:03	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 18:03	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14A_062024	Collected	06/20/2024 09:14
Lab Sample ID	3366026018	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Trichloroethene	14.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Vinyl Chloride	0.84J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	101%	81 – 118	07/01/2024 18:03	
4-Bromofluorobenzene	460-00-4	92.8%	85 – 114	07/01/2024 18:03	
Dibromofluoromethane	1868-53-7	92.1%	80 – 119	07/01/2024 18:03	
Toluene-d8	2037-26-5	98.6%	89 – 112	07/01/2024 18:03	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14B_062024	Collected	06/20/2024 09:22
Lab Sample ID	3366026019	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1-Dichloroethane	0.71J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1-Dichloroethene	3.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chloroform	0.38J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
cis-1,2-Dichloroethene	13.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/03/2024 12:10	TMP	B
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/03/2024 12:10	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14B_062024	Collected	06/20/2024 09:22
Lab Sample ID	3366026019	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
trans-1,2-Dichloroethene	0.50J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Trichloroethene	86.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Vinyl Chloride	2.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	101%	81 – 118	07/03/2024 12:10	
4-Bromofluorobenzene	460-00-4	94.6%	85 – 114	07/03/2024 12:10	
Dibromofluoromethane	1868-53-7	98.8%	80 – 119	07/03/2024 12:10	
Toluene-d8	2037-26-5	96.7%	89 – 112	07/03/2024 12:10	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14C_062024	Collected	06/20/2024 09:27
Lab Sample ID	3366026020	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1,2,2-Tetrachloroethane	0.72J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1,2-Trichloroethane	3.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1-Dichloroethene	190		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chloroform	22.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
cis-1,2-Dichloroethene	7230		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 13:50	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/02/2024 14:13	TMP	A
Isopropylbenzene	0.36J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/02/2024 14:13	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14C_062024	Collected	06/20/2024 09:27
Lab Sample ID	3366026020	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
o-Xylene	0.79J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Tetrachloroethene	10.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Toluene	0.89J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
trans-1,2-Dichloroethene	43.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Trichloroethene	6000		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 13:50	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Vinyl Chloride	768		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 13:50	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/03/2024 13:50	
1,2-Dichloroethane-d4	17060-07-0	111%	81 – 118	07/02/2024 14:13	
4-Bromofluorobenzene	460-00-4	105%	85 – 114	07/03/2024 13:50	
4-Bromofluorobenzene	460-00-4	101%	85 – 114	07/02/2024 14:13	
Dibromofluoromethane	1868-53-7	97.8%	80 – 119	07/03/2024 13:50	
Dibromofluoromethane	1868-53-7	98.2%	80 – 119	07/02/2024 14:13	
Toluene-d8	2037-26-5	103%	89 – 112	07/03/2024 13:50	
Toluene-d8	2037-26-5	101%	89 – 112	07/02/2024 14:13	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14D_062024	Collected	06/20/2024 09:35
Lab Sample ID	3366026021	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1,2,2-Tetrachloroethane	5.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1,2-Trichloroethane	5.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1-Dichloroethene	75.0U	U	ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2,4-Trimethylbenzene	1.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,3,5-Trimethylbenzene	0.41J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.3J	J	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chloroform	20.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
cis-1,2-Dichloroethene	9530		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Ethylbenzene	12.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/02/2024 14:34	TMP	A
Isopropylbenzene	0.50J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Methylene Chloride	6000		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B
mp-Xylene	3.8		ug/L	2.0	1.5	0.66	SW846 8260D	1	07/02/2024 14:34	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14D_062024	Collected	06/20/2024 09:35
Lab Sample ID	3366026021	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	1.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
o-Xylene	2.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Tetrachloroethene	20.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Toluene	9.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
trans-1,2-Dichloroethene	105		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Trichloroethene	2190		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Vinyl Chloride	3060		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	93.9%	81 – 118	07/03/2024 14:09	
1,2-Dichloroethane-d4	17060-07-0	115%	81 – 118	07/02/2024 14:34	
4-Bromofluorobenzene	460-00-4	89.3%	85 – 114	07/03/2024 14:09	
4-Bromofluorobenzene	460-00-4	99.9%	85 – 114	07/02/2024 14:34	
Dibromofluoromethane	1868-53-7	91.7%	80 – 119	07/03/2024 14:09	
Dibromofluoromethane	1868-53-7	103%	80 – 119	07/02/2024 14:34	
Toluene-d8	2037-26-5	91.6%	89 – 112	07/03/2024 14:09	
Toluene-d8	2037-26-5	106%	89 – 112	07/02/2024 14:34	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14E_062024	Collected	06/20/2024 09:42
Lab Sample ID	3366026022	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1,1-Trichloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1,2,2-Tetrachloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1,2-Trichloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1-Dichloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1-Dichloroethene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1-Dichloropropene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2,3-Trichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2,3-Trichloropropane	12.5U	U	ug/L	25.0	12.5	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2,4-Trichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2,4-Trimethylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dibromo-3-chloropropane	12.5U	U	ug/L	25.0	12.5	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dibromoethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dichloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dichloropropane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,3,5-Trimethylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,3-Dichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,3-Dichloropropane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,4-Dichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
2,2-Dichloropropane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
2-Butanone	18.8U	U	ug/L	25.0	18.8	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
2-Hexanone	18.8U	U	ug/L	25.0	18.8	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
4-Methyl-2-Pentanone(MIBK)	18.8U	U	ug/L	25.0	18.8	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
Acetone	18.8U	U	ug/L	25.0	18.8	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
Benzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromobenzene	3.8U	U	ug/L	5.0	3.8	1.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromochloromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromodichloromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromoform	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromomethane	2.7J	J	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Carbon Disulfide	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Carbon Tetrachloride	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chlorodibromomethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chloroform	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chloromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
cis-1,2-Dichloroethene	7.5		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
cis-1,3-Dichloropropene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Dibromomethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Dichlorodifluoromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Ethylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Hexachlorobutadiene	18.8U	U	ug/L	25.0	18.8	2.2	SW846 8260D	5	07/03/2024 12:50	TMP	B
Isopropylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Methylene Chloride	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
mp-Xylene	7.5U	U	ug/L	10.0	7.5	3.3	SW846 8260D	5	07/03/2024 12:50	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14E_062024	Collected	06/20/2024 09:42
Lab Sample ID	3366026022	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
n-Butylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
n-Propylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
o-Chlorotoluene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
o-Xylene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
p-Chlorotoluene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
p-Isopropyltoluene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
sec-Butylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Styrene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
tert-Butylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Tetrachloroethene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Toluene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
trans-1,2-Dichloroethene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
trans-1,3-Dichloropropene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Trichloroethene	448		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Trichlorofluoromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Vinyl Chloride	2.2J	J	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	97.7%	81 – 118	07/03/2024 12:50	
4-Bromofluorobenzene	460-00-4	104%	85 – 114	07/03/2024 12:50	
Dibromofluoromethane	1868-53-7	97.6%	80 – 119	07/03/2024 12:50	
Toluene-d8	2037-26-5	99.4%	89 – 112	07/03/2024 12:50	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	CG-041923-962	Collected	06/20/2024 00:00
Lab Sample ID	3366026023	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
cis-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 12:05	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Methylene Chloride	0.46J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 12:05	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	CG-041923-962	Collected	06/20/2024 00:00
Lab Sample ID	3366026023	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Trichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Trichlorofluoromethane	2.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.4%	81 – 118	06/28/2024 12:05	
4-Bromofluorobenzene	460-00-4	98.3%	85 – 114	06/28/2024 12:05	
Dibromofluoromethane	1868-53-7	90.5%	80 – 119	06/28/2024 12:05	
Toluene-d8	2037-26-5	98.7%	89 – 112	06/28/2024 12:05	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13D_062024_a	Collected	06/20/2024 08:43
Lab Sample ID	3366026024	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chloromethane	0.41J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
cis-1,2-Dichloroethene	10.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/03/2024 12:30	TMP	B
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/03/2024 12:30	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13D_062024_a	Collected	06/20/2024 08:43
Lab Sample ID	3366026024	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Trichloroethene	16.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	97.7%	81 – 118	07/03/2024 12:30	
4-Bromofluorobenzene	460-00-4	104%	85 – 114	07/03/2024 12:30	
Dibromofluoromethane	1868-53-7	97.1%	80 – 119	07/03/2024 12:30	
Toluene-d8	2037-26-5	102%	89 – 112	07/03/2024 12:30	

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Project AHH130|HS24061330
Workorder 3366026

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3366026001	ICT2_062024	SW846 8260D	N/A	
3366026002	ICT4_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026003	ICT7_062024	SW846 8260D	N/A	
3366026004	ICT8_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026005	ICT11_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026006	ICT12A_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026007	ICT12B_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026008	ICT12C_062024	SW846 8260D	N/A	
3366026009	ICT12D_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026010	ICT12D_062024_a	SW846 8260D	N/A	
		SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026011	ICT12E_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026012	ICT13A_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026013	ICT13B_062024	SW846 8260D	N/A	
3366026014	ICT13C_062024	SW846 8260D	N/A	
3366026015	ICT13D_062024	SW846 8260D	N/A	
3366026016	ICT13E_062024	SW846 8260D	N/A	
3366026017	ICT13F_062024	SW846 8260D	N/A	
3366026018	ICT14A_062024	SW846 8260D	N/A	
3366026019	ICT14B_062024	SW846 8260D	N/A	
3366026020	ICT14C_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026021	ICT14D_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026022	ICT14E_062024	SW846 8260D	N/A	
3366026023	CG-041923-962	SW846 8260D	N/A	
3366026024	ICT13D_062024_a	SW846 8260D	N/A	

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Project AHH130|HS24061330
Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS

QC Batch

QC Batch	1236144	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples

3366026001	3366026002	3366026005	3366026006
3366026007	3366026023		

Method Blank 3845975 (MB) Created on 06/28/2024 10:24 For QC Batch 1236144

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	0.75U	ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	0.75U	ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	0.75U	ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	0.75U	ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichlorobenzene	87-61-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichloropropane	96-18-4	BLK	2.5U	ug/L	5.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	0.75U	ug/L	1.0	U
1,2,4-Trimethylbenzene	95-63-6	BLK	0.75U	ug/L	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	2.5U	ug/L	5.0	U
1,2-Dibromoethane	106-93-4	BLK	0.75U	ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	0.75U	ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	0.75U	ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	0.75U	ug/L	1.0	U
1,3,5-Trimethylbenzene	108-67-8	BLK	0.75U	ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	0.75U	ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	0.75U	ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	0.75U	ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	0.75U	ug/L	1.0	U
2-Butanone	78-93-3	BLK	3.8U	ug/L	5.0	U
2-Hexanone	591-78-6	BLK	3.8U	ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	3.8U	ug/L	5.0	U
Acetone	67-64-1	BLK	3.8U	ug/L	5.0	U
Benzene	71-43-2	BLK	0.75U	ug/L	1.0	U
Bromobenzene	108-86-1	BLK	0.75U	ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	0.75U	ug/L	1.0	U
Bromodichloromethane	75-27-4	BLK	0.75U	ug/L	1.0	U
Bromoform	75-25-2	BLK	0.75U	ug/L	1.0	U
Bromomethane	74-83-9	BLK	0.75U	ug/L	1.0	U
Carbon Disulfide	75-15-0	BLK	0.75U	ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	0.75U	ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	0.75U	ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	0.75U	ug/L	1.0	U
Chloroethane	75-00-3	BLK	0.75U	ug/L	1.0	U
Chloroform	67-66-3	BLK	0.75U	ug/L	1.0	U
Chloromethane	74-87-3	BLK	0.75U	ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	0.75U	ug/L	1.0	U

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Project AHH130|HS24061330
Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
cis-1,3-Dichloropropene	10061-01-5	BLK	0.75U	ug/L	1.0	U
Dibromomethane	74-95-3	BLK	0.75U	ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	0.75U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	0.75U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	3.8U	ug/L	5.0	U
Isopropylbenzene	98-82-8	BLK	0.75U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	0.75U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	1.5U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	0.75U	ug/L	1.0	U
n-Butylbenzene	104-51-8	BLK	0.75U	ug/L	1.0	U
n-Propylbenzene	103-65-1	BLK	0.75U	ug/L	1.0	U
o-Chlorotoluene	95-49-8	BLK	0.75U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	0.75U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	0.75U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	0.75U	ug/L	1.0	U
sec-Butylbenzene	135-98-8	BLK	0.75U	ug/L	1.0	U
Styrene	100-42-5	BLK	0.75U	ug/L	1.0	U
tert-Butylbenzene	98-06-6	BLK	0.75U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	0.75U	ug/L	1.0	U
Toluene	108-88-3	BLK	0.75U	ug/L	1.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	0.75U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	0.75U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	0.75U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	0.75U	ug/L	1.0	U
Vinyl Chloride	75-01-4	BLK	0.75U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	30.60	30	102	81 - 118	
4-Bromofluorobenzene	460-00-4	BLK	26.80	30	89.4	85 - 114	
Dibromofluoromethane	1868-53-7	BLK	27.60	30	92	80 - 119	
Toluene-d8	2037-26-5	BLK	30.30	30	101	89 - 112	

Lab Control Standard 3845976 (LCS) Created on 06/28/2024 10:24 For QC Batch 1236144

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	19.10		20	95.6	78 - 124		
1,1,1-Trichloroethane	71-55-6	LCS	21.50		20	108	74 - 131		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	21.60		20	108	71 - 121		
1,1,2-Trichloroethane	79-00-5	LCS	20.70		20	104	80 - 119		
1,1-Dichloroethane	75-34-3	LCS	20.80		20	104	77 - 125		
1,1-Dichloroethene	75-35-4	LCS	21.50		20	108	71 - 131		
1,1-Dichloropropene	563-58-6	LCS	20.60		20	103	79 - 125		

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,2,3-Trichlorobenzene	87-61-6	LCS	19.50		20	97.3	69 - 129		
1,2,3-Trichloropropane	96-18-4	LCS	21.20		20	106	73 - 122		
1,2,4-Trichlorobenzene	120-82-1	LCS	24.10		20	121	69 - 130		
1,2,4-Trimethylbenzene	95-63-6	LCS	20.10		20	101	76 - 124		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	18.90		20	94.7	62 - 128		
1,2-Dibromoethane	106-93-4	LCS	19		20	94.8	77 - 121		
1,2-Dichlorobenzene	95-50-1	LCS	21.90		20	110	80 - 119		
1,2-Dichloroethane	107-06-2	LCS	19.70		20	98.5	73 - 128		
1,2-Dichloropropane	78-87-5	LCS	20.80		20	104	78 - 122		
1,3,5-Trimethylbenzene	108-67-8	LCS	21.20		20	106	75 - 124		
1,3-Dichlorobenzene	541-73-1	LCS	22.10		20	110	80 - 119		
1,3-Dichloropropane	142-28-9	LCS	21.60		20	108	80 - 119		
1,4-Dichlorobenzene	106-46-7	LCS	21.80		20	109	79 - 118		
2,2-Dichloropropane	594-20-7	LCS	21.30		20	107	60 - 139		
2-Butanone	78-93-3	LCS	104		100	104	56 - 143		
2-Hexanone	591-78-6	LCS	103		100	103	57 - 139		
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	104		100	104	67 - 130		
Acetone	67-64-1	LCS	108		100	108	39 - 160		
Benzene	71-43-2	LCS	19.90		20	99.3	79 - 120		
Bromobenzene	108-86-1	LCS	20.10		20	100	80 - 120		
Bromochloromethane	74-97-5	LCS	21.20		20	106	78 - 123		
Bromodichloromethane	75-27-4	LCS	18.80		20	94.2	79 - 125		
Bromoform	75-25-2	LCS	18.10		20	90.3	66 - 130		
Bromomethane	74-83-9	LCS	20		20	100	53 - 141		
Carbon Disulfide	75-15-0	LCS	21.10		20	106	64 - 133		
Carbon Tetrachloride	56-23-5	LCS	17.40		20	87.2	72 - 136		
Chlorobenzene	108-90-7	LCS	20.60		20	103	82 - 118		
Chlorodibromomethane	124-48-1	LCS	18.10		20	90.4	74 - 126		
Chloroethane	75-00-3	LCS	20.30		20	102	60 - 138		
Chloroform	67-66-3	LCS	20.80		20	104	79 - 124		
Chloromethane	74-87-3	LCS	20.10		20	100	50 - 139		
cis-1,2-Dichloroethene	156-59-2	LCS	21.10		20	106	78 - 123		
cis-1,3-Dichloropropene	10061-01-5	LCS	18.90		20	94.3	75 - 124		
Dibromomethane	74-95-3	LCS	20.20		20	101	79 - 123		
Dichlorodifluoromethane	75-71-8	LCS	20.10		20	101	32 - 152		
Ethylbenzene	100-41-4	LCS	19.10		20	95.7	79 - 121		
Hexachlorobutadiene	87-68-3	LCS	22.70		20	113	66 - 134		
Isopropylbenzene	98-82-8	LCS	24.20		20	121	72 - 131		
Methylene Chloride	75-09-2	LCS	21.40		20	107	74 - 124		
mp-Xylene	108383/106423	LCS	38.90		40	97.2	80 - 121		
Naphthalene	91-20-3	LCS	19.90		20	99.6	61 - 128		
n-Butylbenzene	104-51-8	LCS	21.30		20	107	75 - 128		
n-Propylbenzene	103-65-1	LCS	21.10		20	106	76 - 126		
o-Chlorotoluene	95-49-8	LCS	21.40		20	107	79 - 122		
o-Xylene	95-47-6	LCS	19.30		20	96.4	78 - 122		
p-Chlorotoluene	106-43-4	LCS	22.40		20	112	78 - 122		
p-Isopropyltoluene	99-87-6	LCS	21.80		20	109	77 - 127		

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
sec-Butylbenzene	135-98-8	LCS	22.90		20	115	77 - 126		
Styrene	100-42-5	LCS	21.20		20	106	78 - 123		
tert-Butylbenzene	98-06-6	LCS	22.50		20	113	78 - 124		
Tetrachloroethene	127-18-4	LCS	20.20		20	101	74 - 129		
Toluene	108-88-3	LCS	19.60		20	98.2	80 - 121		
trans-1,2-Dichloroethene	156-60-5	LCS	21.50		20	108	75 - 124		
trans-1,3-Dichloropropene	10061-02-6	LCS	19.60		20	97.9	73 - 127		
Trichloroethene	79-01-6	LCS	20.20		20	101	79 - 123		
Trichlorofluoromethane	75-69-4	LCS	19.30		20	96.5	65 - 141		
Vinyl Chloride	75-01-4	LCS	19.70		20	98.7	58 - 137		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	30.40	30	101	81 - 118	
4-Bromofluorobenzene	460-00-4	LCS	29.20	30	97.3	85 - 114	
Dibromofluoromethane	1868-53-7	LCS	29.70	30	98.9	80 - 119	
Toluene-d8	2037-26-5	LCS	30.30	30	101	89 - 112	

QC Batch

QC Batch	1238630	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples

3366026002	3366026003	3366026005	3366026006
3366026007	3366026008	3366026009	3366026010
3366026011	3366026012	3366026014	3366026015
3366026016	3366026017	3366026018	

Matrix Spike 3846786 (MS) 3366030001 (non-Project Sample) For QC Batch 1238630

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 3846787 (MSD) 3366030001 (non-Project Sample) For QC Batch 1238630

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	MS	19.20	0	20	96	78 - 124		
1,1,1,2-Tetrachloroethane	630-20-6	MSD	18.10	0	20	90.7	78 - 124	RPD 5.64 (Max-30)	
1,1,1-Trichloroethane	71-55-6	MS	22.20	0	20	111	74 - 131		
1,1,1-Trichloroethane	71-55-6	MSD	21.40	0	20	107	74 - 131	RPD 3.43 (Max-30)	
1,1,2,2-Tetrachloroethane	79-34-5	MS	22.70	0	20	113	71 - 121		
1,1,2,2-Tetrachloroethane	79-34-5	MSD	21.20	0	20	106	71 - 121	RPD 6.87 (Max-30)	
1,1,2-Trichloroethane	79-00-5	MS	21.20	0	20	106	80 - 119		
1,1,2-Trichloroethane	79-00-5	MSD	20	0	20	99.8	80 - 119	RPD 5.88 (Max-30)	
1,1-Dichloroethane	75-34-3	MS	21	0	20	105	77 - 125		
1,1-Dichloroethane	75-34-3	MSD	20.50	0	20	102	77 - 125	RPD 2.77 (Max-30)	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1-Dichloroethene	75-35-4	MS	22.70	0	20	113	71 - 131		
1,1-Dichloroethene	75-35-4	MSD	21.10	0	20	106	71 - 131	RPD 7.16 (Max-30)	
1,1-Dichloropropene	563-58-6	MS	21.20	0	20	106	79 - 125		
1,1-Dichloropropene	563-58-6	MSD	20.10	0	20	100	79 - 125	RPD 5.24 (Max-30)	
1,2,3-Trichlorobenzene	87-61-6	MS	17.40	0	20	86.8	69 - 129		
1,2,3-Trichlorobenzene	87-61-6	MSD	16.20	0	20	80.8	69 - 129	RPD 7.08 (Max-30)	
1,2,3-Trichloropropane	96-18-4	MS	22.10	0	20	111	73 - 122		
1,2,3-Trichloropropane	96-18-4	MSD	20	0	20	99.8	73 - 122	RPD 10.40 (Max-30)	
1,2,4-Trichlorobenzene	120-82-1	MS	21.50	0	20	107	69 - 130		
1,2,4-Trichlorobenzene	120-82-1	MSD	20.20	0	20	101	69 - 130	RPD 6.34 (Max-30)	
1,2,4-Trimethylbenzene	95-63-6	MS	20.90	0	20	105	76 - 124		
1,2,4-Trimethylbenzene	95-63-6	MSD	19.20	0	20	95.9	76 - 124	RPD 8.68 (Max-30)	
1,2-Dibromo-3-chloropropane	96-12-8	MS	16.70	0	20	83.7	62 - 128		
1,2-Dibromo-3-chloropropane	96-12-8	MSD	16	0	20	80.2	62 - 128	RPD 4.27 (Max-30)	
1,2-Dibromoethane	106-93-4	MS	19	0	20	95.1	77 - 121		
1,2-Dibromoethane	106-93-4	MSD	18.20	0	20	90.8	77 - 121	RPD 4.68 (Max-30)	
1,2-Dichlorobenzene	95-50-1	MS	21.70	0	20	108	80 - 119		
1,2-Dichlorobenzene	95-50-1	MSD	20.10	0	20	101	80 - 119	RPD 7.51 (Max-30)	
1,2-Dichloroethane	107-06-2	MS	20.40	0	20	102	73 - 128		
1,2-Dichloroethane	107-06-2	MSD	20	0	20	100	73 - 128	RPD 1.77 (Max-30)	
1,2-Dichloropropane	78-87-5	MS	20.60	0	20	103	78 - 122		
1,2-Dichloropropane	78-87-5	MSD	20	0	20	100	78 - 122	RPD 2.80 (Max-30)	
1,3,5-Trimethylbenzene	108-67-8	MS	22.70	0	20	114	75 - 124		
1,3,5-Trimethylbenzene	108-67-8	MSD	20.70	0	20	104	75 - 124	RPD 9.19 (Max-30)	
1,3-Dichlorobenzene	541-73-1	MS	22.10	0	20	110	80 - 119		
1,3-Dichlorobenzene	541-73-1	MSD	20.10	0	20	100	80 - 119	RPD 9.34 (Max-30)	
1,3-Dichloropropane	142-28-9	MS	22.10	0	20	110	80 - 119		
1,3-Dichloropropane	142-28-9	MSD	20.50	0	20	102	80 - 119	RPD 7.47 (Max-30)	
1,4-Dichlorobenzene	106-46-7	MS	21.20	0	20	106	79 - 118		
1,4-Dichlorobenzene	106-46-7	MSD	20	0	20	99.9	79 - 118	RPD 5.97 (Max-30)	
2,2-Dichloropropane	594-20-7	MS	18.70	0	20	93.6	60 - 139		
2,2-Dichloropropane	594-20-7	MSD	18.70	0	20	93.4	60 - 139	RPD 0.23 (Max-30)	
2-Butanone	78-93-3	MS	92.40	0	100	92.4	56 - 143		
2-Butanone	78-93-3	MSD	90.30	0	100	90.3	56 - 143	RPD 2.36 (Max-30)	
2-Hexanone	591-78-6	MS	95.50	0	100	95.5	57 - 139		
2-Hexanone	591-78-6	MSD	91.80	0	100	91.8	57 - 139	RPD 3.89 (Max-30)	
4-Methyl-2-Pentanone(MIBK)	108-10-1	MS	98.90	0	100	98.9	67 - 130		
4-Methyl-2-Pentanone(MIBK)	108-10-1	MSD	94.60	0	100	94.6	67 - 130	RPD 4.48 (Max-30)	
Acetone	67-64-1	MS	86.50	0	100	86.5	39 - 160		
Acetone	67-64-1	MSD	88.70	0	100	88.7	39 - 160	RPD 2.44 (Max-30)	
Benzene	71-43-2	MS	20.20	0	20	101	79 - 120		
Benzene	71-43-2	MSD	19.50	0	20	97.6	79 - 120	RPD 3.48 (Max-30)	
Bromobenzene	108-86-1	MS	21.80	0	20	109	80 - 120		
Bromobenzene	108-86-1	MSD	20.40	0	20	102	80 - 120	RPD 6.61 (Max-30)	
Bromochloromethane	74-97-5	MS	20.70	0	20	103	78 - 123		
Bromochloromethane	74-97-5	MSD	20.30	0	20	101	78 - 123	RPD 1.94 (Max-30)	
Bromodichloromethane	75-27-4	MS	18.70	0	20	93.4	79 - 125		
Bromodichloromethane	75-27-4	MSD	18.10	0	20	90.5	79 - 125	RPD 3.06 (Max-30)	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Bromoform	75-25-2	MS	17.30	0	20	86.5	66 - 130		
Bromoform	75-25-2	MSD	16.10	0	20	80.6	66 - 130	RPD 7.03 (Max-30)	
Bromomethane	74-83-9	MS	21.70	0	20	109	53 - 141		
Bromomethane	74-83-9	MSD	21.10	0	20	106	53 - 141	RPD 2.76 (Max-30)	
Carbon Disulfide	75-15-0	MS	20.40	0	20	102	64 - 133		
Carbon Disulfide	75-15-0	MSD	19.70	0	20	98.4	64 - 133	RPD 3.49 (Max-30)	
Carbon Tetrachloride	56-23-5	MS	17.80	0	20	89.2	72 - 136		
Carbon Tetrachloride	56-23-5	MSD	17.60	0	20	87.9	72 - 136	RPD 1.50 (Max-30)	
Chlorobenzene	108-90-7	MS	21.20	0	20	106	82 - 118		
Chlorobenzene	108-90-7	MSD	20.10	0	20	100	82 - 118	RPD 5.17 (Max-30)	
Chlorodibromomethane	124-48-1	MS	17.60	0	20	88	74 - 126		
Chlorodibromomethane	124-48-1	MSD	17.10	0	20	85.5	74 - 126	RPD 2.91 (Max-30)	
Chloroethane	75-00-3	MS	20.30	0	20	101	60 - 138		
Chloroethane	75-00-3	MSD	19.10	0	20	95.5	60 - 138	RPD 6 (Max-30)	
Chloroform	67-66-3	MS	20.70	0	20	103	79 - 124		
Chloroform	67-66-3	MSD	20.20	0	20	101	79 - 124	RPD 2.10 (Max-30)	
Chloromethane	74-87-3	MS	21	0	20	105	50 - 139		
Chloromethane	74-87-3	MSD	19.90	0	20	99.6	50 - 139	RPD 5.20 (Max-30)	
cis-1,2-Dichloroethene	156-59-2	MS	22.60	0	20	113	78 - 123		
cis-1,2-Dichloroethene	156-59-2	MSD	21.70	0	20	109	78 - 123	RPD 3.86 (Max-30)	
cis-1,3-Dichloropropene	10061-01-5	MS	18.60	0	20	93.1	75 - 124		
cis-1,3-Dichloropropene	10061-01-5	MSD	17.70	0	20	88.4	75 - 124	RPD 5.22 (Max-30)	
Dibromomethane	74-95-3	MS	19.90	0	20	99.3	79 - 123		
Dibromomethane	74-95-3	MSD	19.70	0	20	98.6	79 - 123	RPD 0.71 (Max-30)	
Dichlorodifluoromethane	75-71-8	MS	19.40	0	20	96.8	32 - 152		
Dichlorodifluoromethane	75-71-8	MSD	18.80	0	20	94	32 - 152	RPD 2.91 (Max-30)	
Ethylbenzene	100-41-4	MS	20.20	0	20	101	79 - 121		
Ethylbenzene	100-41-4	MSD	18.60	0	20	93.1	79 - 121	RPD 8.35 (Max-30)	
Hexachlorobutadiene	87-68-3	MS	19.10	0	20	95.3	66 - 134		
Hexachlorobutadiene	87-68-3	MSD	18.10	0	20	90.4	66 - 134	RPD 5.29 (Max-30)	
Isopropylbenzene	98-82-8	MS	24.40	0	20	122	72 - 131		
Isopropylbenzene	98-82-8	MSD	22.20	0	20	111	72 - 131	RPD 9.30 (Max-30)	
Methylene Chloride	75-09-2	MS	20.40	0	20	102	74 - 124		
Methylene Chloride	75-09-2	MSD	19.70	0	20	98.4	74 - 124	RPD 3.76 (Max-30)	
mp-Xylene	108383/106423	MS	39.50	0	40	98.7	80 - 121		
mp-Xylene	108383/106423	MSD	37.50	0	40	93.9	80 - 121	RPD 5.07 (Max-30)	
Naphthalene	91-20-3	MS	17.80	0	20	88.8	61 - 128		
Naphthalene	91-20-3	MSD	16.80	0	20	84	61 - 128	RPD 5.60 (Max-30)	
n-Butylbenzene	104-51-8	MS	21.20	0	20	106	75 - 128		
n-Butylbenzene	104-51-8	MSD	19.40	0	20	97.2	75 - 128	RPD 8.70 (Max-30)	
n-Propylbenzene	103-65-1	MS	22.90	0	20	115	76 - 126		
n-Propylbenzene	103-65-1	MSD	21	0	20	105	76 - 126	RPD 8.59 (Max-30)	
o-Chlorotoluene	95-49-8	MS	23.30	0	20	116	79 - 122		
o-Chlorotoluene	95-49-8	MSD	21.20	0	20	106	79 - 122	RPD 9.42 (Max-30)	
o-Xylene	95-47-6	MS	19.60	0	20	98.1	78 - 122		
o-Xylene	95-47-6	MSD	18.70	0	20	93.5	78 - 122	RPD 4.83 (Max-30)	
p-Chlorotoluene	106-43-4	MS	23.20	0	20	116	78 - 122		
p-Chlorotoluene	106-43-4	MSD	21.20	0	20	106	78 - 122	RPD 9.27 (Max-30)	
p-Isopropyltoluene	99-87-6	MS	22.20	0	20	111	77 - 127		

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
p-Isopropyltoluene	99-87-6	MSD	20.90	0	20	105	77 - 127	RPD 5.63 (Max-30)	
sec-Butylbenzene	135-98-8	MS	23.90	0	20	119	77 - 126		
sec-Butylbenzene	135-98-8	MSD	22.20	0	20	111	77 - 126	RPD 7.27 (Max-30)	
Styrene	100-42-5	MS	20.30	0	20	102	78 - 123		
Styrene	100-42-5	MSD	19.20	0	20	96.1	78 - 123	RPD 5.61 (Max-30)	
tert-Butylbenzene	98-06-6	MS	23.50	0	20	118	78 - 124		
tert-Butylbenzene	98-06-6	MSD	22	0	20	110	78 - 124	RPD 6.50 (Max-30)	
Tetrachloroethene	127-18-4	MS	20	0	20	99.9	74 - 129		
Tetrachloroethene	127-18-4	MSD	19.10	0	20	95.5	74 - 129	RPD 4.53 (Max-30)	
Toluene	108-88-3	MS	20.70	0	20	104	80 - 121		
Toluene	108-88-3	MSD	19.30	0	20	96.3	80 - 121	RPD 7.36 (Max-30)	
trans-1,2-Dichloroethene	156-60-5	MS	21.60	0	20	108	75 - 124		
trans-1,2-Dichloroethene	156-60-5	MSD	20.50	0	20	102	75 - 124	RPD 5.43 (Max-30)	
trans-1,3-Dichloropropene	10061-02-6	MS	18.70	0	20	93.5	73 - 127		
trans-1,3-Dichloropropene	10061-02-6	MSD	17.60	0	20	88	73 - 127	RPD 6.12 (Max-30)	
Trichloroethene	79-01-6	MS	22.10	0	20	111	79 - 123		
Trichloroethene	79-01-6	MSD	20.80	0	20	104	79 - 123	RPD 6.05 (Max-30)	
Trichlorofluoromethane	75-69-4	MS	19.60	0	20	98.1	65 - 141		
Trichlorofluoromethane	75-69-4	MSD	18.40	0	20	92.2	65 - 141	RPD 6.11 (Max-30)	
Vinyl Chloride	75-01-4	MS	19.80	0	20	99.1	58 - 137		
Vinyl Chloride	75-01-4	MSD	18.70	0	20	93.3	58 - 137	RPD 6.05 (Max-30)	

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	MS	30.90	30	103	81 - 118	
1,2-Dichloroethane-d4	17060-07-0	MSD	30.20	30	101	81 - 118	
4-Bromofluorobenzene	460-00-4	MS	30.10	30	100	85 - 114	
4-Bromofluorobenzene	460-00-4	MSD	29.90	30	99.6	85 - 114	
Dibromofluoromethane	1868-53-7	MS	30	30	100	80 - 119	
Dibromofluoromethane	1868-53-7	MSD	29.20	30	97.5	80 - 119	
Toluene-d8	2037-26-5	MS	31.70	30	106	89 - 112	
Toluene-d8	2037-26-5	MSD	30.30	30	101	89 - 112	

Method Blank 3846765 (MB) Created on 07/01/2024 10:31 For QC Batch 1238630

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	0.75U	ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	0.75U	ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	0.75U	ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	0.75U	ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichlorobenzene	87-61-6	BLK	0.75U	ug/L	1.0	U

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,2,3-Trichloropropane	96-18-4	BLK	2.5U	ug/L	5.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	0.75U	ug/L	1.0	U
1,2,4-Trimethylbenzene	95-63-6	BLK	0.75U	ug/L	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	2.5U	ug/L	5.0	U
1,2-Dibromoethane	106-93-4	BLK	0.75U	ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	0.75U	ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	0.75U	ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	0.75U	ug/L	1.0	U
1,3,5-Trimethylbenzene	108-67-8	BLK	0.75U	ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	0.75U	ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	0.75U	ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	0.75U	ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	0.75U	ug/L	1.0	U
2-Butanone	78-93-3	BLK	3.8U	ug/L	5.0	U
2-Hexanone	591-78-6	BLK	3.8U	ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	3.8U	ug/L	5.0	U
Acetone	67-64-1	BLK	3.8U	ug/L	5.0	U
Benzene	71-43-2	BLK	0.75U	ug/L	1.0	U
Bromobenzene	108-86-1	BLK	0.75U	ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	0.75U	ug/L	1.0	U
Bromodichloromethane	75-27-4	BLK	0.75U	ug/L	1.0	U
Bromoform	75-25-2	BLK	0.75U	ug/L	1.0	U
Bromomethane	74-83-9	BLK	0.75U	ug/L	1.0	U
Carbon Disulfide	75-15-0	BLK	0.75U	ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	0.75U	ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	0.75U	ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	0.75U	ug/L	1.0	U
Chloroethane	75-00-3	BLK	0.75U	ug/L	1.0	U
Chloroform	67-66-3	BLK	0.75U	ug/L	1.0	U
Chloromethane	74-87-3	BLK	0.75U	ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	0.75U	ug/L	1.0	U
cis-1,3-Dichloropropene	10061-01-5	BLK	0.75U	ug/L	1.0	U
Dibromomethane	74-95-3	BLK	0.75U	ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	0.75U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	0.75U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	3.8U	ug/L	5.0	U
Isopropylbenzene	98-82-8	BLK	0.75U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	0.75U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	1.5U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	0.75U	ug/L	1.0	U
n-Butylbenzene	104-51-8	BLK	0.75U	ug/L	1.0	U
n-Propylbenzene	103-65-1	BLK	0.75U	ug/L	1.0	U
o-Chlorotoluene	95-49-8	BLK	0.75U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	0.75U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	0.75U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	0.75U	ug/L	1.0	U
sec-Butylbenzene	135-98-8	BLK	0.75U	ug/L	1.0	U
Styrene	100-42-5	BLK	0.75U	ug/L	1.0	U

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Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
tert-Butylbenzene	98-06-6	BLK	0.75U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	0.75U	ug/L	1.0	U
Toluene	108-88-3	BLK	0.75U	ug/L	1.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	0.75U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	0.75U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	0.75U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	0.75U	ug/L	1.0	U
Vinyl Chloride	75-01-4	BLK	0.75U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	31.20	30	104	81 - 118	
4-Bromofluorobenzene	460-00-4	BLK	30.90	30	103	85 - 114	
Dibromofluoromethane	1868-53-7	BLK	29.90	30	99.6	80 - 119	
Toluene-d8	2037-26-5	BLK	32.10	30	107	89 - 112	

Lab Control Standard 3846766 (LCS) Created on 07/01/2024 10:31 For QC Batch 1238630

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	19.60		20	97.8	78 - 124		
1,1,1-Trichloroethane	71-55-6	LCS	21.70		20	108	74 - 131		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	20.90		20	104	71 - 121		
1,1,2-Trichloroethane	79-00-5	LCS	20.40		20	102	80 - 119		
1,1-Dichloroethane	75-34-3	LCS	20.30		20	101	77 - 125		
1,1-Dichloroethene	75-35-4	LCS	20.60		20	103	71 - 131		
1,1-Dichloropropene	563-58-6	LCS	20		20	100	79 - 125		
1,2,3-Trichlorobenzene	87-61-6	LCS	18.10		20	90.7	69 - 129		
1,2,3-Trichloropropane	96-18-4	LCS	20.40		20	102	73 - 122		
1,2,4-Trichlorobenzene	120-82-1	LCS	22.50		20	112	69 - 130		
1,2,4-Trimethylbenzene	95-63-6	LCS	20.10		20	101	76 - 124		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	16.60		20	82.9	62 - 128		
1,2-Dibromoethane	106-93-4	LCS	19.10		20	95.3	77 - 121		
1,2-Dichlorobenzene	95-50-1	LCS	21.20		20	106	80 - 119		
1,2-Dichloroethane	107-06-2	LCS	19.40		20	97.2	73 - 128		
1,2-Dichloropropane	78-87-5	LCS	20.20		20	101	78 - 122		
1,3,5-Trimethylbenzene	108-67-8	LCS	21.20		20	106	75 - 124		
1,3-Dichlorobenzene	541-73-1	LCS	21.70		20	108	80 - 119		
1,3-Dichloropropane	142-28-9	LCS	20.90		20	105	80 - 119		
1,4-Dichlorobenzene	106-46-7	LCS	21.40		20	107	79 - 118		
2,2-Dichloropropane	594-20-7	LCS	21.10		20	106	60 - 139		
2-Butanone	78-93-3	LCS	97.80		100	97.8	56 - 143		
2-Hexanone	591-78-6	LCS	89.60		100	89.6	57 - 139		
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	90.80		100	90.8	67 - 130		

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Acetone	67-64-1	LCS	101		100	101	39 - 160		
Benzene	71-43-2	LCS	19.60		20	98.2	79 - 120		
Bromobenzene	108-86-1	LCS	21.20		20	106	80 - 120		
Bromochloromethane	74-97-5	LCS	21.80		20	109	78 - 123		
Bromodichloromethane	75-27-4	LCS	18.60		20	93.2	79 - 125		
Bromoform	75-25-2	LCS	17.20		20	85.9	66 - 130		
Bromomethane	74-83-9	LCS	19.50		20	97.4	53 - 141		
Carbon Disulfide	75-15-0	LCS	20.80		20	104	64 - 133		
Carbon Tetrachloride	56-23-5	LCS	18.20		20	90.9	72 - 136		
Chlorobenzene	108-90-7	LCS	20.70		20	104	82 - 118		
Chlorodibromomethane	124-48-1	LCS	18.10		20	90.6	74 - 126		
Chloroethane	75-00-3	LCS	19.10		20	95.6	60 - 138		
Chloroform	67-66-3	LCS	20.80		20	104	79 - 124		
Chloromethane	74-87-3	LCS	19		20	95	50 - 139		
cis-1,2-Dichloroethene	156-59-2	LCS	20.50		20	102	78 - 123		
cis-1,3-Dichloropropene	10061-01-5	LCS	18.60		20	92.9	75 - 124		
Dibromomethane	74-95-3	LCS	20.70		20	104	79 - 123		
Dichlorodifluoromethane	75-71-8	LCS	19.50		20	97.4	32 - 152		
Ethylbenzene	100-41-4	LCS	19.60		20	98	79 - 121		
Hexachlorobutadiene	87-68-3	LCS	21		20	105	66 - 134		
Isopropylbenzene	98-82-8	LCS	22.70		20	114	72 - 131		
Methylene Chloride	75-09-2	LCS	20.20		20	101	74 - 124		
mp-Xylene	108383/106423	LCS	39		40	97.5	80 - 121		
Naphthalene	91-20-3	LCS	18		20	89.8	61 - 128		
n-Butylbenzene	104-51-8	LCS	21.20		20	106	75 - 128		
n-Propylbenzene	103-65-1	LCS	21.70		20	109	76 - 126		
o-Chlorotoluene	95-49-8	LCS	21.40		20	107	79 - 122		
o-Xylene	95-47-6	LCS	19.50		20	97.5	78 - 122		
p-Chlorotoluene	106-43-4	LCS	21.80		20	109	78 - 122		
p-Isopropyltoluene	99-87-6	LCS	21.60		20	108	77 - 127		
sec-Butylbenzene	135-98-8	LCS	22.40		20	112	77 - 126		
Styrene	100-42-5	LCS	19.60		20	97.8	78 - 123		
tert-Butylbenzene	98-06-6	LCS	22.60		20	113	78 - 124		
Tetrachloroethene	127-18-4	LCS	20.70		20	104	74 - 129		
Toluene	108-88-3	LCS	19.60		20	97.8	80 - 121		
trans-1,2-Dichloroethene	156-60-5	LCS	20		20	100	75 - 124		
trans-1,3-Dichloropropene	10061-02-6	LCS	18.90		20	94.3	73 - 127		
Trichloroethene	79-01-6	LCS	20.10		20	100	79 - 123		
Trichlorofluoromethane	75-69-4	LCS	19.10		20	95.6	65 - 141		
Vinyl Chloride	75-01-4	LCS	18.80		20	94	58 - 137		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	28.50	30	94.9	81 - 118	
4-Bromofluorobenzene	460-00-4	LCS	29.90	30	99.6	85 - 114	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
Dibromofluoromethane	1868-53-7	LCS	29.40	30	98	80 - 119	
Toluene-d8	2037-26-5	LCS	29.70	30	99.1	89 - 112	

QC Batch

QC Batch	1239724	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples

3366026004	3366026009	3366026010	3366026011
3366026013	3366026020	3366026021	

Method Blank 3847311 (MB) Created on 07/02/2024 11:09 For QC Batch 1239724

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	0.75U	ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	0.75U	ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	0.75U	ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	0.75U	ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichlorobenzene	87-61-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichloropropane	96-18-4	BLK	2.5U	ug/L	5.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	0.75U	ug/L	1.0	U
1,2,4-Trimethylbenzene	95-63-6	BLK	0.75U	ug/L	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	2.5U	ug/L	5.0	U
1,2-Dibromoethane	106-93-4	BLK	0.75U	ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	0.75U	ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	0.75U	ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	0.75U	ug/L	1.0	U
1,3,5-Trimethylbenzene	108-67-8	BLK	0.75U	ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	0.75U	ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	0.75U	ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	0.75U	ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	0.75U	ug/L	1.0	U
2-Butanone	78-93-3	BLK	3.8U	ug/L	5.0	U
2-Hexanone	591-78-6	BLK	3.8U	ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	3.8U	ug/L	5.0	U
Acetone	67-64-1	BLK	3.8U	ug/L	5.0	U
Benzene	71-43-2	BLK	0.75U	ug/L	1.0	U
Bromobenzene	108-86-1	BLK	0.75U	ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	0.75U	ug/L	1.0	U
Bromodichloromethane	75-27-4	BLK	0.75U	ug/L	1.0	U
Bromoform	75-25-2	BLK	0.75U	ug/L	1.0	U
Bromomethane	74-83-9	BLK	0.75U	ug/L	1.0	U

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Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
Carbon Disulfide	75-15-0	BLK	0.75U	ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	0.75U	ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	0.75U	ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	0.75U	ug/L	1.0	U
Chloroethane	75-00-3	BLK	0.75U	ug/L	1.0	U
Chloroform	67-66-3	BLK	0.75U	ug/L	1.0	U
Chloromethane	74-87-3	BLK	0.75U	ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	0.69J	ug/L	1.0	J
cis-1,3-Dichloropropene	10061-01-5	BLK	0.75U	ug/L	1.0	U
Dibromomethane	74-95-3	BLK	0.75U	ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	0.75U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	0.75U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	3.8U	ug/L	5.0	U
Isopropylbenzene	98-82-8	BLK	0.75U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	0.75U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	1.5U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	0.75U	ug/L	1.0	U
n-Butylbenzene	104-51-8	BLK	0.75U	ug/L	1.0	U
n-Propylbenzene	103-65-1	BLK	0.75U	ug/L	1.0	U
o-Chlorotoluene	95-49-8	BLK	0.75U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	0.75U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	0.75U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	0.75U	ug/L	1.0	U
sec-Butylbenzene	135-98-8	BLK	0.75U	ug/L	1.0	U
Styrene	100-42-5	BLK	0.75U	ug/L	1.0	U
tert-Butylbenzene	98-06-6	BLK	0.75U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	0.75U	ug/L	1.0	U
Toluene	108-88-3	BLK	0.75U	ug/L	1.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	0.75U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	0.75U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	0.75U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	0.75U	ug/L	1.0	U
Vinyl Chloride	75-01-4	BLK	0.75U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	33.70	30	112	81 - 118	
4-Bromofluorobenzene	460-00-4	BLK	31.20	30	104	85 - 114	
Dibromofluoromethane	1868-53-7	BLK	28.80	30	96.1	80 - 119	
Toluene-d8	2037-26-5	BLK	31.30	30	104	89 - 112	

Lab Control Standard 3847312 (LCS) Created on 07/02/2024 11:09 For QC Batch 1239724

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Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	19		20	94.8	78 - 124		
1,1,1-Trichloroethane	71-55-6	LCS	22.30		20	112	74 - 131		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	22.60		20	113	71 - 121		
1,1,2-Trichloroethane	79-00-5	LCS	20.60		20	103	80 - 119		
1,1-Dichloroethane	75-34-3	LCS	21.30		20	106	77 - 125		
1,1-Dichloroethene	75-35-4	LCS	22		20	110	71 - 131		
1,1-Dichloropropene	563-58-6	LCS	20.90		20	104	79 - 125		
1,2,3-Trichlorobenzene	87-61-6	LCS	18.40		20	91.9	69 - 129		
1,2,3-Trichloropropane	96-18-4	LCS	21.60		20	108	73 - 122		
1,2,4-Trichlorobenzene	120-82-1	LCS	22.70		20	114	69 - 130		
1,2,4-Trimethylbenzene	95-63-6	LCS	21		20	105	76 - 124		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	17.80		20	89.1	62 - 128		
1,2-Dibromoethane	106-93-4	LCS	19		20	95.2	77 - 121		
1,2-Dichlorobenzene	95-50-1	LCS	22.10		20	110	80 - 119		
1,2-Dichloroethane	107-06-2	LCS	21		20	105	73 - 128		
1,2-Dichloropropane	78-87-5	LCS	21.80		20	109	78 - 122		
1,3,5-Trimethylbenzene	108-67-8	LCS	22.50		20	112	75 - 124		
1,3-Dichlorobenzene	541-73-1	LCS	22		20	110	80 - 119		
1,3-Dichloropropane	142-28-9	LCS	21.80		20	109	80 - 119		
1,4-Dichlorobenzene	106-46-7	LCS	21.40		20	107	79 - 118		
2,2-Dichloropropane	594-20-7	LCS	21		20	105	60 - 139		
2-Butanone	78-93-3	LCS	102		100	102	56 - 143		
2-Hexanone	591-78-6	LCS	100		100	100	57 - 139		
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	101		100	101	67 - 130		
Acetone	67-64-1	LCS	109		100	109	39 - 160		
Benzene	71-43-2	LCS	20.40		20	102	79 - 120		
Bromobenzene	108-86-1	LCS	21.60		20	108	80 - 120		
Bromochloromethane	74-97-5	LCS	22		20	110	78 - 123		
Bromodichloromethane	75-27-4	LCS	19.30		20	96.7	79 - 125		
Bromoform	75-25-2	LCS	17.40		20	87	66 - 130		
Bromomethane	74-83-9	LCS	19.80		20	99	53 - 141		
Carbon Disulfide	75-15-0	LCS	20.70		20	104	64 - 133		
Carbon Tetrachloride	56-23-5	LCS	18.20		20	90.8	72 - 136		
Chlorobenzene	108-90-7	LCS	20.60		20	103	82 - 118		
Chlorodibromomethane	124-48-1	LCS	17.80		20	89.1	74 - 126		
Chloroethane	75-00-3	LCS	20.10		20	101	60 - 138		
Chloroform	67-66-3	LCS	21.70		20	109	79 - 124		
Chloromethane	74-87-3	LCS	19.90		20	99.5	50 - 139		
cis-1,2-Dichloroethene	156-59-2	LCS	24		20	120	78 - 123		
cis-1,3-Dichloropropene	10061-01-5	LCS	18.90		20	94.5	75 - 124		
Dibromomethane	74-95-3	LCS	21.20		20	106	79 - 123		
Dichlorodifluoromethane	75-71-8	LCS	18		20	90	32 - 152		
Ethylbenzene	100-41-4	LCS	19.50		20	97.3	79 - 121		
Hexachlorobutadiene	87-68-3	LCS	20.80		20	104	66 - 134		
Isopropylbenzene	98-82-8	LCS	23.80		20	119	72 - 131		
Methylene Chloride	75-09-2	LCS	20.50		20	103	74 - 124		
mp-Xylene	108383/106423	LCS	38.20		40	95.4	80 - 121		

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Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Naphthalene	91-20-3	LCS	18.60		20	92.8	61 - 128		
n-Butylbenzene	104-51-8	LCS	21.80		20	109	75 - 128		
n-Propylbenzene	103-65-1	LCS	22.30		20	112	76 - 126		
o-Chlorotoluene	95-49-8	LCS	22.60		20	113	79 - 122		
o-Xylene	95-47-6	LCS	19.20		20	96.1	78 - 122		
p-Chlorotoluene	106-43-4	LCS	23.30		20	117	78 - 122		
p-Isopropyltoluene	99-87-6	LCS	23		20	115	77 - 127		
sec-Butylbenzene	135-98-8	LCS	23.50		20	117	77 - 126		
Styrene	100-42-5	LCS	20.50		20	102	78 - 123		
tert-Butylbenzene	98-06-6	LCS	23.40		20	117	78 - 124		
Tetrachloroethene	127-18-4	LCS	19.60		20	97.9	74 - 129		
Toluene	108-88-3	LCS	19.60		20	97.9	80 - 121		
trans-1,2-Dichloroethene	156-60-5	LCS	21.10		20	106	75 - 124		
trans-1,3-Dichloropropene	10061-02-6	LCS	19.30		20	96.5	73 - 127		
Trichloroethene	79-01-6	LCS	20.70		20	104	79 - 123		
Trichlorofluoromethane	75-69-4	LCS	18.60		20	93.1	65 - 141		
Vinyl Chloride	75-01-4	LCS	20		20	100	58 - 137		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	31.40	30	105	81 - 118	
4-Bromofluorobenzene	460-00-4	LCS	30.10	30	100	85 - 114	
Dibromofluoromethane	1868-53-7	LCS	29.10	30	97	80 - 119	
Toluene-d8	2037-26-5	LCS	29.20	30	97.5	89 - 112	

Matrix Spike 3847323 (MS) 3366026004 For QC Batch 1239724

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 3847324 (MSD) 3366026004 For QC Batch 1239724

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	MS	19.80	0	20	98.9	78 - 124		
1,1,1,2-Tetrachloroethane	630-20-6	MSD	19.40	0	20	97	78 - 124	RPD 1.91 (Max-30)	
1,1,1-Trichloroethane	71-55-6	MS	23.60	0	20	118	74 - 131		
1,1,1-Trichloroethane	71-55-6	MSD	22.30	0	20	112	74 - 131	RPD 5.58 (Max-30)	
1,1,2,2-Tetrachloroethane	79-34-5	MS	24	0	20	120	71 - 121		
1,1,2,2-Tetrachloroethane	79-34-5	MSD	23.80	0	20	119	71 - 121	RPD 1.13 (Max-30)	
1,1,2-Trichloroethane	79-00-5	MS	22	0.57	20	107	80 - 119		
1,1,2-Trichloroethane	79-00-5	MSD	21.80	0.57	20	106	80 - 119	RPD 0.92 (Max-30)	
1,1-Dichloroethane	75-34-3	MS	24.90	0	20	125	77 - 125		
1,1-Dichloroethane	75-34-3	MSD	23.70	0	20	119	77 - 125	RPD 4.96 (Max-30)	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1-Dichloroethene	75-35-4	MS	74.40	67.90	20	32.7*	71 - 131		
1,1-Dichloroethene	75-35-4	MSD	70.20	67.90	20	11.3*	71 - 131	RPD 5.92 (Max-30)	
1,1-Dichloropropene	563-58-6	MS	22.40	0	20	112	79 - 125		
1,1-Dichloropropene	563-58-6	MSD	21.40	0	20	107	79 - 125	RPD 4.59 (Max-30)	
1,2,3-Trichlorobenzene	87-61-6	MS	18.60	0	20	93	69 - 129		
1,2,3-Trichlorobenzene	87-61-6	MSD	18.10	0	20	90.5	69 - 129	RPD 2.73 (Max-30)	
1,2,3-Trichloropropane	96-18-4	MS	23	0	20	115	73 - 122		
1,2,3-Trichloropropane	96-18-4	MSD	22.40	0	20	112	73 - 122	RPD 2.42 (Max-30)	
1,2,4-Trichlorobenzene	120-82-1	MS	22.80	0	20	114	69 - 130		
1,2,4-Trichlorobenzene	120-82-1	MSD	22	0	20	110	69 - 130	RPD 3.22 (Max-30)	
1,2,4-Trimethylbenzene	95-63-6	MS	21.80	0	20	109	76 - 124		
1,2,4-Trimethylbenzene	95-63-6	MSD	21.30	0	20	106	76 - 124	RPD 2.33 (Max-30)	
1,2-Dibromo-3-chloropropane	96-12-8	MS	18.20	0	20	90.8	62 - 128		
1,2-Dibromo-3-chloropropane	96-12-8	MSD	19.10	0	20	95.7	62 - 128	RPD 5.25 (Max-30)	
1,2-Dibromoethane	106-93-4	MS	19.20	0	20	96	77 - 121		
1,2-Dibromoethane	106-93-4	MSD	19.20	0	20	96.1	77 - 121	RPD 0.12 (Max-30)	
1,2-Dichlorobenzene	95-50-1	MS	22.30	0	20	112	80 - 119		
1,2-Dichlorobenzene	95-50-1	MSD	22.50	0	20	112	80 - 119	RPD 0.49 (Max-30)	
1,2-Dichloroethane	107-06-2	MS	35.20	20.70	20	72.5*	73 - 128		
1,2-Dichloroethane	107-06-2	MSD	34.20	20.70	20	67.4*	73 - 128	RPD 2.93 (Max-30)	
1,2-Dichloropropane	78-87-5	MS	22.70	0	20	114	78 - 122		
1,2-Dichloropropane	78-87-5	MSD	21.70	0	20	109	78 - 122	RPD 4.66 (Max-30)	
1,3,5-Trimethylbenzene	108-67-8	MS	23.60	0	20	118	75 - 124		
1,3,5-Trimethylbenzene	108-67-8	MSD	23	0	20	115	75 - 124	RPD 2.53 (Max-30)	
1,3-Dichlorobenzene	541-73-1	MS	22.80	0	20	114	80 - 119		
1,3-Dichlorobenzene	541-73-1	MSD	21.80	0	20	109	80 - 119	RPD 4.11 (Max-30)	
1,3-Dichloropropane	142-28-9	MS	22	0	20	110	80 - 119		
1,3-Dichloropropane	142-28-9	MSD	21.70	0	20	108	80 - 119	RPD 1.55 (Max-30)	
1,4-Dichlorobenzene	106-46-7	MS	22.20	0	20	111	79 - 118		
1,4-Dichlorobenzene	106-46-7	MSD	21.50	0	20	107	79 - 118	RPD 3.07 (Max-30)	
2,2-Dichloropropane	594-20-7	MS	19.90	0	20	99.5	60 - 139		
2,2-Dichloropropane	594-20-7	MSD	19.40	0	20	97.1	60 - 139	RPD 2.47 (Max-30)	
2-Butanone	78-93-3	MS	112	0	100	112	56 - 143		
2-Butanone	78-93-3	MSD	106	0	100	106	56 - 143	RPD 5.09 (Max-30)	
2-Hexanone	591-78-6	MS	105	0	100	105	57 - 139		
2-Hexanone	591-78-6	MSD	104	0	100	104	57 - 139	RPD 1.47 (Max-30)	
4-Methyl-2-Pentanone(MIBK)	108-10-1	MS	109	0	100	109	67 - 130		
4-Methyl-2-Pentanone(MIBK)	108-10-1	MSD	107	0	100	107	67 - 130	RPD 1.77 (Max-30)	
Acetone	67-64-1	MS	98.80	0	100	98.8	39 - 160		
Acetone	67-64-1	MSD	98.60	0	100	98.6	39 - 160	RPD 0.12 (Max-30)	
Benzene	71-43-2	MS	22.40	1.30	20	106	79 - 120		
Benzene	71-43-2	MSD	21.60	1.30	20	102	79 - 120	RPD 3.65 (Max-30)	
Bromobenzene	108-86-1	MS	22.30	0	20	112	80 - 120		
Bromobenzene	108-86-1	MSD	21.40	0	20	107	80 - 120	RPD 4.13 (Max-30)	
Bromochloromethane	74-97-5	MS	21.30	0	20	106	78 - 123		
Bromochloromethane	74-97-5	MSD	20.60	0	20	103	78 - 123	RPD 3.31 (Max-30)	
Bromodichloromethane	75-27-4	MS	19.40	0	20	96.8	79 - 125		
Bromodichloromethane	75-27-4	MSD	19.10	0	20	95.4	79 - 125	RPD 1.44 (Max-30)	
Bromoform	75-25-2	MS	17.70	0	20	88.6	66 - 130		

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Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Bromoform	75-25-2	MSD	17.80	0	20	89	66 - 130	RPD 0.44 (Max-30)	
Bromomethane	74-83-9	MS	25.20	0	20	126	53 - 141		
Bromomethane	74-83-9	MSD	24.10	0	20	121	53 - 141	RPD 4.13 (Max-30)	
Carbon Disulfide	75-15-0	MS	22.80	0	20	114	64 - 133		
Carbon Disulfide	75-15-0	MSD	21.20	0	20	106	64 - 133	RPD 7.16 (Max-30)	
Carbon Tetrachloride	56-23-5	MS	20.80	1.20	20	97.8	72 - 136		
Carbon Tetrachloride	56-23-5	MSD	20.30	1.20	20	95.3	72 - 136	RPD 2.44 (Max-30)	
Chlorobenzene	108-90-7	MS	21.50	0	20	107	82 - 118		
Chlorobenzene	108-90-7	MSD	21	0	20	105	82 - 118	RPD 2.11 (Max-30)	
Chlorodibromomethane	124-48-1	MS	18.20	0	20	91	74 - 126		
Chlorodibromomethane	124-48-1	MSD	18.10	0	20	90.3	74 - 126	RPD 0.69 (Max-30)	
Chloroethane	75-00-3	MS	23.50	0	20	117	60 - 138		
Chloroethane	75-00-3	MSD	22.10	0	20	110	60 - 138	RPD 6.23 (Max-30)	
Chloroform	67-66-3	MS	23.90	3.30	20	103	79 - 124		
Chloroform	67-66-3	MSD	23.80	3.30	20	103	79 - 124	RPD 0.41 (Max-30)	
Chloromethane	74-87-3	MS	25.20	0	20	126	50 - 139		
Chloromethane	74-87-3	MSD	24.30	0	20	122	50 - 139	RPD 3.49 (Max-30)	
cis-1,3-Dichloropropene	10061-01-5	MS	18.60	0	20	93.2	75 - 124		
cis-1,3-Dichloropropene	10061-01-5	MSD	18.60	0	20	92.8	75 - 124	RPD 0.51 (Max-30)	
Dibromomethane	74-95-3	MS	21.70	0	20	108	79 - 123		
Dibromomethane	74-95-3	MSD	21	0	20	105	79 - 123	RPD 3.30 (Max-30)	
Dichlorodifluoromethane	75-71-8	MS	27.20	0	20	136	32 - 152		
Dichlorodifluoromethane	75-71-8	MSD	26	0	20	130	32 - 152	RPD 4.53 (Max-30)	
Ethylbenzene	100-41-4	MS	20.40	0	20	102	79 - 121		
Ethylbenzene	100-41-4	MSD	20.10	0	20	101	79 - 121	RPD 1.25 (Max-30)	
Hexachlorobutadiene	87-68-3	MS	20.40	0	20	102	66 - 134		
Hexachlorobutadiene	87-68-3	MSD	20	0	20	99.8	66 - 134	RPD 2.21 (Max-30)	
Isopropylbenzene	98-82-8	MS	25.10	0	20	125	72 - 131		
Isopropylbenzene	98-82-8	MSD	24.30	0	20	122	72 - 131	RPD 3.01 (Max-30)	
mp-Xylene	108383/106423	MS	40	0	40	100	80 - 121		
mp-Xylene	108383/106423	MSD	39.30	0	40	98.3	80 - 121	RPD 1.68 (Max-30)	
Naphthalene	91-20-3	MS	18.70	0	20	93.6	61 - 128		
Naphthalene	91-20-3	MSD	18.30	0	20	91.7	61 - 128	RPD 2.06 (Max-30)	
n-Butylbenzene	104-51-8	MS	22.90	0	20	114	75 - 128		
n-Butylbenzene	104-51-8	MSD	21.80	0	20	109	75 - 128	RPD 4.85 (Max-30)	
n-Propylbenzene	103-65-1	MS	22.90	0	20	114	76 - 126		
n-Propylbenzene	103-65-1	MSD	22.80	0	20	114	76 - 126	RPD 0.49 (Max-30)	
o-Chlorotoluene	95-49-8	MS	24	0	20	120	79 - 122		
o-Chlorotoluene	95-49-8	MSD	23.40	0	20	117	79 - 122	RPD 2.43 (Max-30)	
o-Xylene	95-47-6	MS	19.90	0	20	99.6	78 - 122		
o-Xylene	95-47-6	MSD	19.60	0	20	98	78 - 122	RPD 1.64 (Max-30)	
p-Chlorotoluene	106-43-4	MS	23.70	0	20	119	78 - 122		
p-Chlorotoluene	106-43-4	MSD	23.10	0	20	116	78 - 122	RPD 2.46 (Max-30)	
p-Isopropyltoluene	99-87-6	MS	23.20	0	20	116	77 - 127		
p-Isopropyltoluene	99-87-6	MSD	22.80	0	20	114	77 - 127	RPD 1.87 (Max-30)	
sec-Butylbenzene	135-98-8	MS	24.90	0	20	124	77 - 126		
sec-Butylbenzene	135-98-8	MSD	23.90	0	20	119	77 - 126	RPD 4.27 (Max-30)	
Styrene	100-42-5	MS	21.30	0	20	107	78 - 123		
Styrene	100-42-5	MSD	20.60	0	20	103	78 - 123	RPD 3.40 (Max-30)	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
tert-Butylbenzene	98-06-6	MS	24.90	0	20	124	78 - 124		
tert-Butylbenzene	98-06-6	MSD	23.50	0	20	117	78 - 124	RPD 5.90 (Max-30)	
Tetrachloroethene	127-18-4	MS	67.70	51.40	20	81.3	74 - 129		
Tetrachloroethene	127-18-4	MSD	66.20	51.40	20	73.8*	74 - 129	RPD 2.24 (Max-30)	
Toluene	108-88-3	MS	21	0.80	20	101	80 - 121		
Toluene	108-88-3	MSD	20.20	0.80	20	97.2	80 - 121	RPD 3.76 (Max-30)	
trans-1,2-Dichloroethene	156-60-5	MS	27.70	0	20	138*	75 - 124		
trans-1,2-Dichloroethene	156-60-5	MSD	25.40	0	20	127*	75 - 124	RPD 8.47 (Max-30)	
trans-1,3-Dichloropropene	10061-02-6	MS	19.50	0	20	97.4	73 - 127		
trans-1,3-Dichloropropene	10061-02-6	MSD	18.90	0	20	94.3	73 - 127	RPD 3.25 (Max-30)	
Trichlorofluoromethane	75-69-4	MS	19.40	0	20	96.8	65 - 141		
Trichlorofluoromethane	75-69-4	MSD	18.30	0	20	91.3	65 - 141	RPD 5.94 (Max-30)	
Vinyl Chloride	75-01-4	MS	109	106	20	NC	58 - 137		
Vinyl Chloride	75-01-4	MSD	102	106	20	NC	58 - 137	RPD 6.20 (Max-30)	

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	MS	34.60	30	115	81 - 118	
1,2-Dichloroethane-d4	17060-07-0	MSD	33.70	30	112	81 - 118	
4-Bromofluorobenzene	460-00-4	MS	29	30	96.6	85 - 114	
4-Bromofluorobenzene	460-00-4	MSD	30	30	99.9	85 - 114	
Dibromofluoromethane	1868-53-7	MS	29.80	30	99.4	80 - 119	
Dibromofluoromethane	1868-53-7	MSD	29.10	30	97	80 - 119	
Toluene-d8	2037-26-5	MS	29.60	30	98.5	89 - 112	
Toluene-d8	2037-26-5	MSD	29.40	30	98.1	89 - 112	

QC Batch

QC Batch	1240942	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples

3366026004	3366026009	3366026010	3366026011
3366026012	3366026019	3366026020	3366026021
3366026022	3366026024		

Method Blank 3848063 (MB) Created on 07/03/2024 09:54 For QC Batch 1240942

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	0.75U	ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	0.75U	ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	0.75U	ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	0.75U	ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	0.75U	ug/L	1.0	U

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Project AHH130|HS24061330
Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,2,3-Trichlorobenzene	87-61-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichloropropane	96-18-4	BLK	2.5U	ug/L	5.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	0.75U	ug/L	1.0	U
1,2,4-Trimethylbenzene	95-63-6	BLK	0.75U	ug/L	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	2.5U	ug/L	5.0	U
1,2-Dibromoethane	106-93-4	BLK	0.75U	ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	0.75U	ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	0.75U	ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	0.75U	ug/L	1.0	U
1,3,5-Trimethylbenzene	108-67-8	BLK	0.75U	ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	0.75U	ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	0.75U	ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	0.75U	ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	0.75U	ug/L	1.0	U
2-Butanone	78-93-3	BLK	3.8U	ug/L	5.0	U
2-Hexanone	591-78-6	BLK	3.8U	ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	3.8U	ug/L	5.0	U
Acetone	67-64-1	BLK	3.8U	ug/L	5.0	U
Benzene	71-43-2	BLK	0.75U	ug/L	1.0	U
Bromobenzene	108-86-1	BLK	0.75U	ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	0.75U	ug/L	1.0	U
Bromodichloromethane	75-27-4	BLK	0.75U	ug/L	1.0	U
Bromoform	75-25-2	BLK	0.75U	ug/L	1.0	U
Bromomethane	74-83-9	BLK	0.75U	ug/L	1.0	U
Carbon Disulfide	75-15-0	BLK	0.75U	ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	0.75U	ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	0.75U	ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	0.75U	ug/L	1.0	U
Chloroethane	75-00-3	BLK	0.75U	ug/L	1.0	U
Chloroform	67-66-3	BLK	0.75U	ug/L	1.0	U
Chloromethane	74-87-3	BLK	0.75U	ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	0.75U	ug/L	1.0	U
cis-1,3-Dichloropropene	10061-01-5	BLK	0.75U	ug/L	1.0	U
Dibromomethane	74-95-3	BLK	0.75U	ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	0.75U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	0.75U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	3.8U	ug/L	5.0	U
Isopropylbenzene	98-82-8	BLK	0.75U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	0.75U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	1.5U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	0.75U	ug/L	1.0	U
n-Butylbenzene	104-51-8	BLK	0.75U	ug/L	1.0	U
n-Propylbenzene	103-65-1	BLK	0.75U	ug/L	1.0	U
o-Chlorotoluene	95-49-8	BLK	0.75U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	0.75U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	0.75U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	0.75U	ug/L	1.0	U
sec-Butylbenzene	135-98-8	BLK	0.75U	ug/L	1.0	U

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Project AHH130|HS24061330
Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
Styrene	100-42-5	BLK	0.75U	ug/L	1.0	U
tert-Butylbenzene	98-06-6	BLK	0.75U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	0.75U	ug/L	1.0	U
Toluene	108-88-3	BLK	0.75U	ug/L	1.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	0.75U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	0.75U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	0.75U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	0.75U	ug/L	1.0	U
Vinyl Chloride	75-01-4	BLK	0.75U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	30	30	99.9	81 - 118	
4-Bromofluorobenzene	460-00-4	BLK	29	30	96.6	85 - 114	
Dibromofluoromethane	1868-53-7	BLK	29.90	30	99.5	80 - 119	
Toluene-d8	2037-26-5	BLK	30.50	30	102	89 - 112	

Lab Control Standard 3848064 (LCS) Created on 07/03/2024 09:54 For QC Batch 1240942

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	21.10		20	105	78 - 124		
1,1,1-Trichloroethane	71-55-6	LCS	20.10		20	100	74 - 131		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	20		20	99.8	71 - 121		
1,1,2-Trichloroethane	79-00-5	LCS	20.60		20	103	80 - 119		
1,1-Dichloroethane	75-34-3	LCS	19.40		20	97.2	77 - 125		
1,1-Dichloroethene	75-35-4	LCS	20.10		20	100	71 - 131		
1,1-Dichloropropene	563-58-6	LCS	19.50		20	97.4	79 - 125		
1,2,3-Trichlorobenzene	87-61-6	LCS	21		20	105	69 - 129		
1,2,3-Trichloropropane	96-18-4	LCS	19.20		20	95.8	73 - 122		
1,2,4-Trichlorobenzene	120-82-1	LCS	23.70		20	119	69 - 130		
1,2,4-Trimethylbenzene	95-63-6	LCS	21.30		20	106	76 - 124		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	19.20		20	95.8	62 - 128		
1,2-Dibromoethane	106-93-4	LCS	20.70		20	104	77 - 121		
1,2-Dichlorobenzene	95-50-1	LCS	21.10		20	105	80 - 119		
1,2-Dichloroethane	107-06-2	LCS	19.40		20	97	73 - 128		
1,2-Dichloropropane	78-87-5	LCS	19.60		20	98.1	78 - 122		
1,3,5-Trimethylbenzene	108-67-8	LCS	21.40		20	107	75 - 124		
1,3-Dichlorobenzene	541-73-1	LCS	21		20	105	80 - 119		
1,3-Dichloropropane	142-28-9	LCS	20.50		20	102	80 - 119		
1,4-Dichlorobenzene	106-46-7	LCS	21.60		20	108	79 - 118		
2,2-Dichloropropane	594-20-7	LCS	21.20		20	106	60 - 139		
2-Butanone	78-93-3	LCS	100		100	100	56 - 143		
2-Hexanone	591-78-6	LCS	101		100	101	57 - 139		

Project AHH130|HS24061330
Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	102		100	102	67 - 130		
Acetone	67-64-1	LCS	106		100	106	39 - 160		
Benzene	71-43-2	LCS	19.30		20	96.3	79 - 120		
Bromobenzene	108-86-1	LCS	21.50		20	107	80 - 120		
Bromochloromethane	74-97-5	LCS	20.90		20	104	78 - 123		
Bromodichloromethane	75-27-4	LCS	20.40		20	102	79 - 125		
Bromoform	75-25-2	LCS	20.30		20	102	66 - 130		
Bromomethane	74-83-9	LCS	18.40		20	92	53 - 141		
Carbon Disulfide	75-15-0	LCS	19.90		20	99.4	64 - 133		
Carbon Tetrachloride	56-23-5	LCS	20.50		20	102	72 - 136		
Chlorobenzene	108-90-7	LCS	20.60		20	103	82 - 118		
Chlorodibromomethane	124-48-1	LCS	21		20	105	74 - 126		
Chloroethane	75-00-3	LCS	20		20	99.9	60 - 138		
Chloroform	67-66-3	LCS	20.10		20	101	79 - 124		
Chloromethane	74-87-3	LCS	17.30		20	86.4	50 - 139		
cis-1,2-Dichloroethene	156-59-2	LCS	19.10		20	95.5	78 - 123		
cis-1,3-Dichloropropene	10061-01-5	LCS	20.90		20	105	75 - 124		
Dibromomethane	74-95-3	LCS	19.80		20	99	79 - 123		
Dichlorodifluoromethane	75-71-8	LCS	20.90		20	105	32 - 152		
Ethylbenzene	100-41-4	LCS	21.30		20	107	79 - 121		
Hexachlorobutadiene	87-68-3	LCS	23		20	115	66 - 134		
Isopropylbenzene	98-82-8	LCS	23.20		20	116	72 - 131		
Methylene Chloride	75-09-2	LCS	19.10		20	95.3	74 - 124		
mp-Xylene	108383/106423	LCS	42.20		40	106	80 - 121		
Naphthalene	91-20-3	LCS	21.50		20	107	61 - 128		
n-Butylbenzene	104-51-8	LCS	21.90		20	110	75 - 128		
n-Propylbenzene	103-65-1	LCS	21.30		20	106	76 - 126		
o-Chlorotoluene	95-49-8	LCS	20.60		20	103	79 - 122		
o-Xylene	95-47-6	LCS	21		20	105	78 - 122		
p-Chlorotoluene	106-43-4	LCS	20.90		20	105	78 - 122		
p-Isopropyltoluene	99-87-6	LCS	21.20		20	106	77 - 127		
sec-Butylbenzene	135-98-8	LCS	21.50		20	108	77 - 126		
Styrene	100-42-5	LCS	21.90		20	109	78 - 123		
tert-Butylbenzene	98-06-6	LCS	21.50		20	108	78 - 124		
Tetrachloroethene	127-18-4	LCS	20.40		20	102	74 - 129		
Toluene	108-88-3	LCS	20		20	99.8	80 - 121		
trans-1,2-Dichloroethene	156-60-5	LCS	19.70		20	98.5	75 - 124		
trans-1,3-Dichloropropene	10061-02-6	LCS	21.70		20	108	73 - 127		
Trichloroethene	79-01-6	LCS	19.40		20	96.8	79 - 123		
Trichlorofluoromethane	75-69-4	LCS	19.80		20	98.9	65 - 141		
Vinyl Chloride	75-01-4	LCS	19.60		20	98.2	58 - 137		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	30	30	99.9	81 - 118	

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Project AHH130|HS24061330
Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
4-Bromofluorobenzene	460-00-4	LCS	31.80	30	106	85 - 114	
Dibromofluoromethane	1868-53-7	LCS	30.20	30	101	80 - 119	
Toluene-d8	2037-26-5	LCS	31.20	30	104	89 - 112	

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Project AHH130|HS24061330
Workorder 3366026

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3366026001	ICT2_062024	N/A	N/A	N/A		SW846 8260D	1236144
3366026002	ICT4_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1236144
3366026003	ICT7_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026004	ICT8_062024	N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1239724
3366026005	ICT11_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1236144
3366026006	ICT12A_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1236144
3366026007	ICT12B_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1236144
3366026008	ICT12C_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026009	ICT12D_062024	N/A	N/A	N/A		SW846 8260D	1239724
		N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1238630
3366026010	ICT12D_062024_a	N/A	N/A	N/A		SW846 8260D	1239724
		N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1238630
3366026011	ICT12E_062024	N/A	N/A	N/A		SW846 8260D	1239724
		N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1238630
3366026012	ICT13A_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1240942
3366026013	ICT13B_062024	N/A	N/A	N/A		SW846 8260D	1239724
3366026014	ICT13C_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026015	ICT13D_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026016	ICT13E_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026017	ICT13F_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026018	ICT14A_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026019	ICT14B_062024	N/A	N/A	N/A		SW846 8260D	1240942
3366026020	ICT14C_062024	N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1239724
3366026021	ICT14D_062024	N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1239724
3366026022	ICT14E_062024	N/A	N/A	N/A		SW846 8260D	1240942
3366026023	CG-041923-962	N/A	N/A	N/A		SW846 8260D	1236144
3366026024	ICT13D_062024_a	N/A	N/A	N/A		SW846 8260D	1240942

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3366026
Logged By: CXW
PM: SSL

Subcontract Chain of Custody

SAMPLING STATE: Texas **COC ID:** 26145

SUBCONTRACT TO:

ALS
301 Fulling Mill Road
Middletown, PA 17057

Phone: +1 717 702 2244

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis.Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis.aguilar@alsglobal.com
Alternate Contact:	Jumoke M. Lawal
Email:	jumoke.lawal@alsglobal.com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	HS24061330
TSR:	Sonia West

	LAB SAMPLE ID	CLIENT SAMPLE ID		MATRIX	COLLECT DATE
	ANALYSIS REQUESTED				DUE DATE
1.	**HS24061330-01**	**ICT2_062024**	3-G|HCL per sample	**Groundwater**	**20 Jun 2024 06:40**
	Custom selection				08 Jul 2024
2.	**HS24061330-02**	**ICT4_062024**	MJE 6/26/24	**Groundwater**	**20 Jun 2024 06:54**
	Custom selection				08 Jul 2024
3.	☆**HS24061330-03**	**ICT7_062024**	2-G|HCL	**Groundwater**	**20 Jun 2024 07:03**
	Custom selection				08 Jul 2024
4.	**HS24061330-04**	**ICT8_062024**	9-G|HCL MS|MSD	**Groundwater**	**20 Jun 2024 07:12**
	Custom selection				08 Jul 2024
5.	**HS24061330-05**	**ICT11_062024**	3	**Groundwater**	**20 Jun 2024 07:28**
	Custom selection				08 Jul 2024
6.	**HS24061330-06**	**ICT12A_062024**		**Groundwater**	**20 Jun 2024 07:38**
	Custom selection				08 Jul 2024
7.	**HS24061330-07**	**ICT12B_062024**		**Groundwater**	**20 Jun 2024 07:45**
	Custom selection				08 Jul 2024
8.	**HS24061330-08**	**ICT12C_062024**		**Groundwater**	**20 Jun 2024 07:52**
	Custom selection				08 Jul 2024
9.	**HS24061330-09**	**ICT12D_062024**		**Groundwater**	**20 Jun 2024 08:00**

☆1 vial broken in transit. -MJE 6/26/24

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Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26145**

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
	Custom selection			08 Jul 2024
10.	**HS24061330-10**	**ICT12D_062024_a**	**Groundwater**	**20 Jun 2024 08:00**
	Custom selection			08 Jul 2024
11.	**HS24061330-11**	**ICT12E_062024**	**Groundwater**	**20 Jun 2024 08:10**
	Custom selection			08 Jul 2024
12.	**HS24061330-12**	**ICT13A_062024**	**Groundwater**	**20 Jun 2024 08:18**
	Custom selection			08 Jul 2024
13.	**HS24061330-13**	**ICT13B_062024**	**Groundwater**	**20 Jun 2024 08:25**
	Custom selection			08 Jul 2024
14.	**HS24061330-14**	**ICT13C_062024**	**Groundwater**	**20 Jun 2024 08:34**
	Custom selection			08 Jul 2024
15.	**HS24061330-15**	**ICT13D_062024**	**Groundwater**	**20 Jun 2024 08:43**
	Custom selection			08 Jul 2024
16.	**HS24061330-16**	**ICT13D_062024_a**	**Groundwater**	**20 Jun 2024 08:43**
	Custom selection			08 Jul 2024
17.	**HS24061330-17**	**ICT13E_062024**	**Groundwater**	**20 Jun 2024 08:55**
	Custom selection			08 Jul 2024
18.	**HS24061330-18**	**ICT13F_062024**	**Groundwater**	**20 Jun 2024 09:02**
	Custom selection			08 Jul 2024
19.	**HS24061330-19**	**ICT14A_062024**	**Groundwater**	**20 Jun 2024 09:14**
	Custom selection			08 Jul 2024
20.	**HS24061330-20**	**ICT14B_062024**	**Groundwater**	**20 Jun 2024 09:22**
	Custom selection			08 Jul 2024
21.	**HS24061330-21**	**ICT14C_062024**	**Groundwater**	**20 Jun 2024 09:27**
	Custom selection			08 Jul 2024
22.	**HS24061330-22**	**ICT14D_062024**	**Groundwater**	**20 Jun 2024 09:35**
	Custom selection			08 Jul 2024
23.	**HS24061330-23**	**ICT14E_062024**	**Groundwater**	**20 Jun 2024 09:42**
	Custom selection			08 Jul 2024
24.	**HS24061330-24**	**CG-041923-962**	**Water**	**20 Jun 2024 00:00**
	Custom selection			08 Jul 2024

Subcontract Chain of Custody

SAMPLING STATE: Texas **COC ID:** 26145

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
ANALYSIS REQUESTED			DUE DATE

Comments: Please analyze for the analysis listed above.
Send report to the emails shown above.

QC Level: DOD IV (DoD Data Package)

Temp By: MJE | WO Temp (°C): 1° | Therm ID: 570

Receipt Info Completed By: MJE

Cooler Custody Seal Intact	Y	N	NA
Sample Custody Seal Intact	Y	N	NA
Received on Ice	Y	N	NA
Cooler & Samples Intact	Y	N	
Correct Containers Provided	Y	N	
Sample Label/COC Agree	Y	N	
Adequate Sample Volumes	Y	N	NA
CR6 Samples Filtered	Y	N	NA
OP Samples Filtered	Y	N	NA
VOA Trip Blank	Y	N	
Ni ≤ 4 Days?			
Rad Screen (uCi)			

Courier/Tracking #: 7388 1923 4761

SDWA Compliance	Y	N	
PWSID	Y	N	NA
WV Containers 0-6°C			

X No Sampler, COC, G/HCL MJE 6/26/24

pm notified 6/27/24

Relinquished By: _____ Date/Time: _____

Received By: Fedex Date/Time: _____

Cooler ~~ID~~(s): Fedex Temperature(s): 6/26/24 930

6/26/24 930

RIGHT SOLUTIONS | RIGHT PARTNER

7/9/2024 5:18 PM

July 11, 2024 Service Request No:E2400734

Luis Aguilar
ALS Environmental - US
10450 Stancliff Rd Suite 210
Houston, TX 77099

Laboratory Results for: HS24061330

Dear Luis,

Enclosed are the results of the sample(s) submitted to our laboratory June 21, 2024
For your reference, these analyses have been assigned our service request number **E2400734.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current TNI standards, where applicable, and except as noted in the laboratory case narrative provided. All results are intended to be considered in their entirety and ALS Environmental is not responsible for use of less than the complete final report. Results apply only to the items submitted to the laboratory, as received for analysis. In accordance with the current TNI Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 2190. You may also contact me via email at hussam.kelany@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

H Kelany

Hussam Kelany
Project Manager

ADDRESS 10450 Stancliff Rd., Suite 210, Houston, TX 77099
PHONE +1 281 530 5656 | FAX +1 281 530 5887
ALS Group USA, Corp.
dba ALS Environmental

Certificate of Analysis

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (281)530-5656 Fax (281)530-5887
www.alsglobal.com

RIGHT SOLUTIONS | RIGHT PARTNER

RIGHT SOLUTIONS | RIGHT PARTNER

Client:	ALS Environmental - US	**Service Request No.:**	E2400734
Project:	HS24061330	**Date Received:**	06/21/24
Sample Matrix:	Ground Water		

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Twenty-three samples were received for analysis at ALS Environmental in Houston on 06/21/24.

The samples were received in good condition and are consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

Precision and Accuracy:

EQ2400374/ EQ2400375: Laboratory Control Spike/Duplicate Laboratory Control Spike (LCS/DLCS) samples were analyzed and reported addition to a MS/MSD for this extraction batch.

The batch precision (MS/DMS) measurements were determined on an unrelated sample in the extraction batch. The MS/DMS results are not included in this report.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS group USA Corp dba ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

Client: ALS Environmental - US **Service Request:**E2400734
Project: HS24061330

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
E2400734-001	ICT2_062024	6/20/2024	0640
E2400734-002	ICT4_062024	6/20/2024	0654
E2400734-003	ICT7_062024	6/20/2024	0703
E2400734-004	ICT8_062024	6/20/2024	0712
E2400734-005	ICT11_062024	6/20/2024	0728
E2400734-006	ICT12A_062024	6/20/2024	0738
E2400734-007	ICT12B_062024	6/20/2024	0745
E2400734-008	ICT12C_062024	6/20/2024	0752
E2400734-009	ICT12D_062024	6/20/2024	0800
E2400734-010	ICT12D_062024_a	6/20/2024	0800
E2400734-011	ICT12E_062024	6/20/2024	0810
E2400734-012	ICT13A_062024	6/20/2024	0818
E2400734-013	ICT13B_062024	6/20/2024	0825
E2400734-014	ICT13C_062024	6/20/2024	0834
E2400734-015	ICT13D_062024	6/20/2024	0843
E2400734-016	ICT13D_062024_a	6/20/2024	0843
E2400734-017	ICT13E_062024	6/20/2024	0855
E2400734-018	ICT13F_062024	6/20/2024	0902
E2400734-019	ICT14A_062024	6/20/2024	0914
E2400734-020	ICT14B_062024	6/20/2024	0922
E2400734-021	ICT14C_062024	6/20/2024	0927
E2400734-022	ICT14D_062024	6/20/2024	0935
E2400734-023	ICT14E_062024	6/20/2024	0942

Service Request Summary

Folder #: **E2400734**
Client Name: ALS Environmental - US
Project Name: HS24061330
Project Number:

Report To: Luis Aguilar
ALS Environmental - US
10450 Stancliff Rd Suite 210
Houston, TX 77099
USA
Phone Number:
Cell Number:
Fax Number:
E-mail: luis.aguilar@alsglobal.com

Project Chemist: Hussam Kelany
Originating Lab: HOUSTON
Logged By: MONICA.SMITH
Date Received: 06/21/24
Internal Due Date: 7/3/2024
QAP: LAB QAP
Qualifier Set: HRMS Qualifier Set
Formset: Lab Standard
Merged?: Y
Report to MDL?: Y
P.O. Number:
EDD: BASIC_WQC_CASNo

25 125 mL-Plastic Bottle HDPE NM CLEAR Unpreserved
Location: EHRMS-WIC 1A
Pressure Gas:

Lab Samp No.	Client Samp No	Matrix	Collected	HOUSTON ClO4 DOD/6850
E2400734-001	ICT2_062024	Ground Water	06/20/24 0640	**IV**
E2400734-002	ICT4_062024	Ground Water	06/20/24 0654	**IV**
E2400734-003	ICT7_062024	Ground Water	06/20/24 0703	**IV**
E2400734-004	ICT8_062024	Ground Water	06/20/24 0712	**IV**
E2400734-005	ICT11_062024	Ground Water	06/20/24 0728	**IV**
E2400734-006	ICT12A_062024	Ground Water	06/20/24 0738	**IV**
E2400734-007	ICT12B_062024	Ground Water	06/20/24 0745	**IV**
E2400734-008	ICT12C_062024	Ground Water	06/20/24 0752	**IV**
E2400734-009	ICT12D_062024	Ground Water	06/20/24 0800	**IV**
E2400734-010	ICT12D_062024_a	Ground Water	06/20/24 0800	**IV**
E2400734-011	ICT12E_062024	Ground Water	06/20/24 0810	**IV**
E2400734-012	ICT13A_062024	Ground Water	06/20/24 0818	**IV**
E2400734-013	ICT13B_062024	Ground Water	06/20/24 0825	**IV**
E2400734-014	ICT13C_062024	Ground Water	06/20/24 0834	**IV**
E2400734-015	ICT13D_062024	Ground Water	06/20/24 0843	**IV**
E2400734-016	ICT13D_062024_a	Ground Water	06/20/24 0843	**IV**

Service Request Summary

Folder #: **E2400734**
Client Name: ALS Environmental - US
Project Name: HS24061330
Project Number:

Report To: Luis Aguilar
ALS Environmental - US
10450 Stancliff Rd Suite 210
Houston, TX 77099
USA
Phone Number:
Cell Number:
Fax Number:
E-mail: luis.aguilar@alsglobal.com

Project Chemist: Hussam Kelany
Originating Lab: HOUSTON
Logged By: MONICA.SMITH
Date Received: 06/21/24
Internal Due Date: 7/3/2024
QAP: LAB QAP
Qualifier Set: HRMS Qualifier Set
Formset: Lab Standard
Merged?: Y
Report to MDL?: Y
P.O. Number:
EDD: BASIC_WQC_CASNo

25 125 mL-Plastic Bottle HDPE NM CLEAR Unpreserved
Location: EHRMS-WIC 1A
Pressure Gas:

Lab Samp No.	Client Samp No	Matrix	Collected	HOUSTON ClO4 DOD/6850
E2400734-017	ICT13E_062024	Ground Water	06/20/24 0855	**IV**
E2400734-018	ICT13F_062024	Ground Water	06/20/24 0902	**IV**
E2400734-019	ICT14A_062024	Ground Water	06/20/24 0914	**IV**
E2400734-020	ICT14B_062024	Ground Water	06/20/24 0922	**IV**
E2400734-021	ICT14C_062024	Ground Water	06/20/24 0927	**IV**
E2400734-022	ICT14D_062024	Ground Water	06/20/24 0935	**IV**
E2400734-023	ICT14E_062024	Ground Water	06/20/24 0942	**IV**

Service Request Summary

Folder #: **E2400734**
Client Name: ALS Environmental - US
Project Name: HS24061330
Project Number:

Report To: Luis Aguilar
ALS Environmental - US
10450 Stancliff Rd Suite 210
Houston, TX 77099
USA
Phone Number:
Cell Number:
Fax Number:
E-mail: luis.aguilar@alsglobal.com

Project Chemist: Hussam Kelany
Originating Lab: HOUSTON
Logged By: MONICA.SMITH
Date Received: 06/21/24
Internal Due Date: 7/3/2024
QAP: LAB QAP
Qualifier Set: HRMS Qualifier Set
Formset: Lab Standard
Merged?: Y
Report to MDL?: Y
P.O. Number:
EDD: BASIC_WQC_CASNo

25 125 mL-Plastic Bottle HDPE NM CLEAR Unpreserved
Location: EHRMS-WIC 1A
Pressure Gas:

Data Qualifiers

HRMS Qualifier Set

*	Indicates the samples were extracted outside of the recommended holding time.
B	Indicates the associated analyte was found in the method blank at >1/10th the reported value.
E	Estimated value. The reported concentration is above the calibration range of the instrument.
J	Estimated value. The reported concentration is below the MRL.
K	The ion abundance ratio between the primary and secondary ions were outside of theoretical acceptance limits.The concentration of this analyte should be considered as an estimate.
P	Chlorodiphenyl ether interference was present at the retention time of the target analyte. Reported result should be considered an estimate.
Q	Monitored lock-mass indicates matrix-interference. Reported result is estimated.
S	Signal saturated detector. Result reported from dilution.
U	Compound was analyzed for, but was not detected (ND).
X	See Case Narrative.
Y	Isotopically Labeled Standard recovery outside of acceptance limits. In all cases, the signal-to-nois ratios are greater than 10:1, making the recoveries acceptable.
i	The MDL/MRL have been elevated due to a matrix interference.

ALS Laboratory Group

Acronyms

Cal	Calibration
Conc	CONCentration
Dioxin(s)	Polychlorinated dibenzo-p-dioxin(s)
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
Flags	Data qualifiers
Furan(s)	Polychlorinated dibenzofuran(s)
g	Grams
ICAL	Initial CALibration
ID	IDentifier
Ions	Masses monitored for the analyte during data acquisition
L	Liter (s)
LCS	Laboratory Control Sample
DLCS	Duplicate Laboratory Control Sample
MB	Method Blank
MCL	Method Calibration Limit
MDL	Method Detection Limit
mL	Milliliters
MS	Matrix Spiked sample
DMS	Duplicate Matrix Spiked sample
NO	Number of peaks meeting all identification criteria
PCDD(s)	Polychlorinated dibenzo-p-dioxin(s)
PCDF(s)	Polychlorinated dibenzofuran(s)
ppb	Parts per billion
ppm	Parts per million
ppq	Parts per quadrillion
ppt	Parts per trillion
QA	Quality Assurance
QC	Quality Control
Ratio	Ratio of areas from monitored ions for an analyte
% Rec.	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SDG	Sample Delivery Group
S/N	Signal-to-noise ratio
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Quotient

10450 Stancliff Rd, Houston, TX 77099 | 281-530-5656 | www.alsglobal.com

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Arkansas Department of Environmental Quality	88-00356	3/28/2025
California State Environmental Laboratory Accreditation Program	2919-2024	4/30/2025
Department of Defense	L24-240	4/30/2026
Hawaii Department of Health	2024	4/30/2025
Kansas Department of Health and Environment	E-10352 2023-2024	7/31/2024
Louisiana Department of Health and Hospitals	LA028-2024	12/31/2024
Minnesota Department of Health	2645386	12/31/2024
Nevada Division of Environmental Protection	TX026932024-1	7/31/2024
New Hampshire Environmental Laboratory Accreditation Program	209424-A	4/24/2025
Oklahoma Department of Environmental Quality	2023-140	8/31/2024
Oregon Environmental Laboratory Accreditation Program	TX200002-2024	5/15/2025
Tennessee Department of Environment and Conservation	04016-2024	4/30/2025
Texas Commision on Environmental Quality	TX-C24-00130	4/30/2025
Utah Department of Health Environmental Laboratory Certification	TX026932023-14	7/31/2024
Washington Department of Ecology	C819-23	11/14/2024

Chain of Custody

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
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E24100734

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Houston, TX 77099
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F: +1 281 530 5887
www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26115**

SUBCONTRACT TO:

ALS Environmental
10450 Stancliff RoadSuite 210
Houston, TX 77084

Phone: +1 281 530 5656

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	James Guin
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	James.Guin@alsglobal.com
Alternate Contact:	Jumoke M. Lawal
Email:	jumoke.lawal@alsglobal.com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	HS24061330
TSR:	Sonia West

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
1.	**HS24061330-01**	**ICT2_062024**	**Groundwater**	**20 Jun 2024 06:40**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
2.	**HS24061330-02**	**ICT4_062024**	**Groundwater**	**20 Jun 2024 06:54**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
3.	**HS24061330-03**	**ICT7_062024**	**Groundwater**	**20 Jun 2024 07:03**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
4.	**HS24061330-04**	**ICT8_062024**	**Groundwater**	**20 Jun 2024 07:12**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
5.	**HS24061330-05**	**ICT11_062024**	**Groundwater**	**20 Jun 2024 07:28**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
6.	**HS24061330-06**	**ICT12A_062024**	**Groundwater**	**20 Jun 2024 07:38**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
7.	**HS24061330-07**	**ICT12B_062024**	**Groundwater**	**20 Jun 2024 07:45**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
8.	**HS24061330-08**	**ICT12C_062024**	**Groundwater**	**20 Jun 2024 07:52**

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26115**

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
9.	**HS24061330-09**	**ICT12D_062024**	**Groundwater**	**20 Jun 2024 08:00**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
10.	**HS24061330-10**	**ICT12D_062024_a**	**Groundwater**	**20 Jun 2024 08:00**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
11.	**HS24061330-11**	**ICT12E_062024**	**Groundwater**	**20 Jun 2024 08:10**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
12.	**HS24061330-12**	**ICT13A_062024**	**Groundwater**	**20 Jun 2024 08:18**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
13.	**HS24061330-13**	**ICT13B_062024**	**Groundwater**	**20 Jun 2024 08:25**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
14.	**HS24061330-14**	**ICT13C_062024**	**Groundwater**	**20 Jun 2024 08:34**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
15.	**HS24061330-15**	**ICT13D_062024**	**Groundwater**	**20 Jun 2024 08:43**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
16.	**HS24061330-16**	**ICT13D_062024_a**	**Groundwater**	**20 Jun 2024 08:43**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
17.	**HS24061330-17**	**ICT13E_062024**	**Groundwater**	**20 Jun 2024 08:55**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
18.	**HS24061330-18**	**ICT13F_062024**	**Groundwater**	**20 Jun 2024 09:02**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
19.	**HS24061330-19**	**ICT14A_062024**	**Groundwater**	**20 Jun 2024 09:14**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
20.	**HS24061330-20**	**ICT14B_062024**	**Groundwater**	**20 Jun 2024 09:22**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
21.	**HS24061330-21**	**ICT14C_062024**	**Groundwater**	**20 Jun 2024 09:27**
	6850 DoD Level II and Level IV reports in separate pdf; DoD			08 Jul 2024

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID: 26115**

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
	Excel EDD			
22.	**HS24061330-22**	**ICT14D_062024**	**Groundwater**	**20 Jun 2024 09:35**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024
23.	**HS24061330-23**	**ICT14E_062024**	**Groundwater**	**20 Jun 2024 09:42**
	6850 DoD Level II and Level IV reports in separate pdf; DoD Excel EDD			08 Jul 2024

Comments: Please analyze for the analysis listed above. SAMPLE HS24061330-04 (ICT8_062024 ***Designated MS/MSD***
Send report to the emails shown above.

QC Level: DOD IV (DoD Data Package)

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Cooler ID(s): _____ Temperature(s): _____

10450 Stancliff Rd, Ste 210
Houston, TX 77099
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F: +1 281 530 5887
www.alsglobal.com

Sample Receipt Checklist

Work Order ID: HS24061330 **Date/Time received:** 21 Jun 2024 09:15

Client name: Bhate Environmental Associates, Inc. **Received by:** Belinda Gomez

Completed/By: 21 Jun 2024 12:21 (Date/Time) Rajen Giga (eSignature) **Reviewed/By:** (Date/Time) (eSignature)

Matrices: GW **Carrier name:** FedEx Priority Overnight

Shipping container/cooler in good condition?	☑ Yes	☐ No	☐ Not Present	
Custody seals intact on shipping container/cooler?	☐ Yes	☐ No	☑ Not Present	
Custody seals intact on Sample bottles?	☐ Yes	☐ No	☑ Not Present	
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	☐ Yes	☐ No	☑ Not Present	
Chain of custody present?	☑ Yes	☐ No	3 Page(s)	
Chain of custody signed when relinquished and received?	☑ Yes	☐ No	COC ID(s): CLIENT	
Samplers name present on COC?	☑ Yes	☐ No		
Chain of custody agrees with sample labels?	☑ Yes	☐ No		
Samples in proper container/bottle?	☑ Yes	☐ No		
Sample containers intact?	☑ Yes	☐ No		
Sufficient sample volume for indicated test?	☑ Yes	☐ No		
All samples received within holding time?	☑ Yes	☐ No		
Container/Temp Blank temperature in compliance?	☑ Yes	☐ No		
Temperature(s)/Thermometer(s):	2.1uc/2.2c		IR31	
Cooler Information:	1 Cooler(s), Blue			
Date/Time sample(s) sent to storage:	06/21/2024 12:30			
Water - VOA vials have zero headspace?	☑ Yes	☐ No	☐ No VOA vials submitted	
Water - pH acceptable upon receipt?	☑ Yes	☐ No	☐ Not Applicable	
pH adjusted?	☐ Yes	☑ No	☐ Not Applicable	

pH adjusted by:

Login notes:

Client contacted: **Date contacted:** **Person contacted:**

Contacted by: **Regarding:**

Comments:

Corrective action:

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Houston, TX 77099
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F: +1 281 530 5887
www.alsglobal.com

SAMPLE ACCEPTANCE POLICY

This policy outlines the criteria samples must meet to be accepted by ALS Environmental – Houston HRMS.

Cooler Custody Seals (desirable, mandatory if specified in SAP):

- ✓ Intact on outside of cooler, signed and dated

Chain-of-Custody (COC) documentation (mandatory):

The following is required on each COC:

- ✓ Sample ID, the location, date and time of collection, collector's name, preservation type, sample type, and any other special remarks concerning the sampleThe COC must be completed in ink.
- ✓ Signature and date of relinquishing party.

In the absence of a COC at sample receipt, the COC will be requested from the client.

Sample Integrity (mandatory):

Samples are inspected upon arrival to ensure that sample integrity was not compromised during transfer to the laboratory.

- ✓ Sample containers must arrive in good condition (not broken or leaking).
- ✓ Samples must be labeled appropriately, including Sample IDs, and requested test using durable labels and indelible ink.
- ✓ The correct type of sample bottle must be used for the method requested.
- ✓ An appropriate sample volume, or weight, must be received.
- ✓ Sample IDs and number of containers must reconcile with the COC.
- ✓ Samples must be received within the method defined holding time.

Temperature Requirement (varies by sample matrix):

- ✓ Aqueous and Non-aqueous samples must be shipped and stored cold, at 0 to 6ºC.
- ✓ Tissue samples must be shipped and stored frozen, at -20 to -10ºC.
- ✓ Air samples are shipped and stored cold, at 0 to 6ºC
- ✓ The sample temperature must be recorded on the COC

All cooler inspections are documented on the Cooler Receipt Form (CRF). A separate CRF is completed for each service request. Any samples not meeting the above criteria are noted on the CRF and the Project Manager notified. The Project Manager must resolve any sample integrity issues with the client prior to proceeding with the analysis. Such resolutions are documented in writing and filed with the project folder. Data associated with samples received outside of this acceptance policy will be qualified on the case narrative of the final report

Preparation Information Benchsheets

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (281)530-5656 Fax (281)530-5887
www.alsglobal.com

Preparation Information Benchsheet

Prep Run#: 441033 **Prep WorkFlow:** GenExt28Day **Status:** Prepped
Team: Semivoa GCMS/JOSEL.JUAREZ **Prep Method:** Method **Prep Date/Time:** 7/3/24 11:00

#	Lab Code	Client ID	B#	Method /Test	pH	Cl	Matrix	Amt. Ext.	Sample Description
1	E2400734-001	ICT2_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
2	E2400734-002	ICT4_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
3	E2400734-003	ICT7_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
4	E2400734-004	ICT8_062024	.01	6850/ClO4 DOD			Ground Water	10mL	
5	E2400734-005	ICT11_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
6	E2400734-006	ICT12A_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
7	E2400734-007	ICT12B_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
8	E2400734-008	ICT12C_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
9	E2400734-009	ICT12D_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
10	E2400734-010	ICT12D_062024_a	.02	6850/ClO4 DOD			Ground Water	10mL	
11	E2400734-011	ICT12E_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
12	E2400734-012	ICT13A_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
13	E2400734-013	ICT13B_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
14	E2400734-014	ICT13C_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
15	E2400734-015	ICT13D_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
16	E2400734-016	ICT13D_062024_a	.02	6850/ClO4 DOD			Ground Water	10mL	
17	E2400734-017	ICT13E_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
18	E2400734-018	ICT13F_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
19	E2400734-019	ICT14A_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
20	E2400734-020	ICT14B_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
21	EQ2400374-01	MB		6850/ClO4 DOD			Liquid	10mL	
22	EQ2400374-02	LCS		6850/ClO4 DOD			Liquid	10mL	
23	EQ2400374-03	DLCS		6850/ClO4 DOD			Liquid	10mL	
24	EQ2400374-04	ICS		6850/ClO4 DOD			Liquid	10mL	
25	EQ2400374-05	ICT8_062024 MS	.01	6850/ClO4 DOD			Liquid	10mL	
26	EQ2400374-06	ICT8_062024 DMS	.01	6850/ClO4 DOD			Liquid	10mL	

Spiking Solutions

Name: Perchlorate Anion Spiking Soln. 25,000 ppm Inventory ID 233595 Logbook Ref: Expires On: 08/04/2024

EQ2400374-04 20.00µL

Name: Perchlorate Internal Standard 1ug/mL Inventory ID 236095 Logbook Ref: Perchlorate IS cg7/3/24 Expires On: 11/24/2024

E2400734-001 100.00µL E2400734-002 100.00µL E2400734-003 100.00µL E2400734-004 100.00µL E2400734-005 100.00µL E2400734-006 100.00µL

Preparation Information Benchsheet

Prep Run#: 441033 **Prep WorkFlow:** GenExt28Day **Status:** Prepped
Team: Semivoa GCMS/JOSEL.JUAREZ **Prep Method:** Method **Prep Date/Time:** 7/3/24 11:00

E2400734-007	100.00µL	E2400734-008	100.00µL	E2400734-009	100.00µL	E2400734-010	100.00µL	E2400734-011	100.00µL	E2400734-012	100.00µL
E2400734-013	100.00µL	E2400734-014	100.00µL	E2400734-015	100.00µL	E2400734-016	100.00µL	E2400734-017	100.00µL	E2400734-018	100.00µL
E2400734-019	100.00µL	E2400734-020	100.00µL	EQ2400374-01	100.00µL	EQ2400374-02	100.00µL	EQ2400374-03	100.00µL	EQ2400374-04	100.00µL
EQ2400374-05	100.00µL	EQ2400374-06	100.00µL								

Name: Perchlorate Intermediate Stock 3 Inventory ID 236096 Logbook Ref: Perchlorate Inter. Stock 3 cg7 Expires On: 10/25/2024

EQ2400374-02	100.00µL	EQ2400374-03	100.00µL	EQ2400374-04	100.00µL	EQ2400374-05	100.00µL	EQ2400374-06	100.00µL		

Preparation Materials

6850 Luer-Lok Syringes Luer Lok Syringes (235268)

Preparation Steps

Step: Preparation
Started: 7/3/24 11:00
Finished: 7/3/24 13:26
By: JOSEL.JUAREZ
Comments

Comments: _____

Reviewed By: _____ Date: _____

Chain of Custody

Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Extracts Examined
Yes No

Preparation Information Benchsheet

Prep Run#: 441034 **Prep WorkFlow:** GenExt28Day **Status:** Prepped
Team: Semivoa GCMS/JOSEL.JUAREZ **Prep Method:** Method **Prep Date/Time:** 7/3/24 11:00

#	Lab Code	Client ID	B#	Method /Test	pH	Cl	Matrix	Amt. Ext.	Sample Description
1	E2400734-021	ICT14C_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
2	E2400734-022	ICT14D_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
3	E2400734-023	ICT14E_062024	.02	6850/ClO4 DOD			Ground Water	10mL	
4	E2400735-001	18WW19_061924	.01	6850/ClO4 DOD			Water	10mL	
5	E2400735-002	18WW20_061924	.01	6850/ClO4 DOD			Water	10mL	
6	E2400735-003	18WW25_061924	.01	6850/ClO4 DOD			Water	10mL	
7	E2400735-004	125_061924	.01	6850/ClO4 DOD			Water	10mL	
8	E2400735-005	18CPTMW16_061924	.01	6850/ClO4 DOD			Water	10mL	
9	E2400735-006	18CPTMW16_061924_a	.01	6850/ClO4 DOD			Water	10mL	
10	E2400736-001	130_062124	.02	6850/ClO4 DOD			Water	10mL	
11	E2400736-002	17WW03_062124	.02	6850/ClO4 DOD			Water	10mL	
12	E2400736-003	17WW01_062124	.02	6850/ClO4 DOD			Water	10mL	
13	E2400736-004	17WW01_062124_A	.02	6850/ClO4 DOD			Water	10mL	
14	E2400736-005	17WW02_062124	.02	6850/ClO4 DOD			Water	10mL	
15	E2400736-006	17WW06_062124	.02	6850/ClO4 DOD			Water	10mL	
16	E2400785-001	LGAC-INF-070124	.01	6850/ClO4 DOD			Water	10mL	
17	E2400787-001	LH18/24-SP650_070224_AIX	.01	6850/ClO4 DOD			Water	10mL	
18	E2400788-001	LH18/24-SP650_070224_BIX	.01	6850/ClO4 DOD			Water	10mL	
19	E2400788-002	LH18/24-SP650_070224_AIX	.01	6850/ClO4 DOD			Water	10mL	
20	E2400789-001	LH18/24-SP140_070224	.01	6850/ClO4 DOD			Water	10mL	
21	EQ2400375-01	MB		6850/ClO4 DOD			Liquid	10mL	
22	EQ2400375-02	LCS		6850/ClO4 DOD			Liquid	10mL	
23	EQ2400375-03	DLCS		6850/ClO4 DOD			Liquid	10mL	
24	EQ2400375-04	ICS		6850/ClO4 DOD			Liquid	10mL	
25	EQ2400375-05	18WW19_061924 MS	.01	6850/ClO4 DOD			Liquid	10mL	
26	EQ2400375-06	18WW19_061924 DMS	.01	6850/ClO4 DOD			Liquid	10mL	
27	EQ2400375-07	17WW03_062124 MS	.02	6850/ClO4 DOD			Liquid	10mL	
28	EQ2400375-08	17WW03_062124 DMS	.02	6850/ClO4 DOD			Liquid	10mL	

Spiking Solutions

Name: Perchlorate Anion Spiking Soln. 25,000 ppm Inventory ID 233595 Logbook Ref: Expires On: 08/04/2024

EQ2400375-04 20.00µL

Preparation Information Benchsheet

Prep Run#: 441034 **Prep WorkFlow:** GenExt28Day **Status:** Prepped
Team: Semivoa GCMS/JOSEL.JUAREZ **Prep Method:** Method **Prep Date/Time:** 7/3/24 11:00

Name:	Perchlorate Internal Standard 1ug/mL	Inventory ID	236095	Logbook Ref:	Perchlorate IS cg7/3/24	Expires On:	11/24/2024

E2400734-021	100.00µL	E2400734-022	100.00µL	E2400734-023	100.00µL	E2400735-001	100.00µL	E2400735-002	100.00µL	E2400735-003	100.00µL
E2400735-004	100.00µL	E2400735-005	100.00µL	E2400735-006	100.00µL	E2400736-001	100.00µL	E2400736-002	100.00µL	E2400736-003	100.00µL
E2400736-004	100.00µL	E2400736-005	100.00µL	E2400736-006	100.00µL	E2400785-001	100.00µL	E2400787-001	100.00µL	E2400788-001	100.00µL
E2400788-002	100.00µL	E2400789-001	100.00µL	EQ2400375-01	100.00µL	EQ2400375-02	100.00µL	EQ2400375-03	100.00µL	EQ2400375-04	100.00µL
EQ2400375-05	100.00µL	EQ2400375-06	100.00µL	EQ2400375-07	100.00µL	EQ2400375-08	100.00µL				

Name:	Perchlorate Intermediate Stock 3	Inventory ID	236096	Logbook Ref:	Perchlorate Inter. Stock 3 cg7	Expires On:	10/25/2024

EQ2400375-02	100.00µL	EQ2400375-03	100.00µL	EQ2400375-04	100.00µL	EQ2400375-05	100.00µL	EQ2400375-06	100.00µL	EQ2400375-07	100.00µL
EQ2400375-08	100.00µL										

Preparation Materials

6850 Luer-Lok Syringes Luer Lok Syringes (235268)

Preparation Steps

Step: Preparation
Started: 7/3/24 11:00
Finished: 7/3/24 13:32
By: JOSEL.JUAREZ
Comments

Comments: _____

Reviewed By: _____ Date: _____

Chain of Custody

Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Extracts Examined
Yes No

Analytical Results

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (281)530-5656 Fax (281)530-5887
www.alsglobal.com

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0640
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT2_062024	**Units:**	µg/L
Lab Code:	E2400734-001	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**0.684**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 14:47	441033	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0654
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT4_062024	**Units:**	µg/L
Lab Code:	E2400734-002	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**2250**		10.0	5.00	2.50	100	7/ 3/24	7/10/24 16:12	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0703
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT7_062024	**Units:**	µg/L
Lab Code:	E2400734-003	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**255**		1.00	0.500	0.250	10	7/ 3/24	7/10/24 16:18	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0712
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT8_062024	**Units:**	µg/L
Lab Code:	E2400734-004	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**827**		10.0	5.00	2.50	100	7/ 3/24	7/10/24 16:23	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0728
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT11_062024	**Units:**	µg/L
Lab Code:	E2400734-005	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**2820**		100	50.0	25.0	1000	7/ 3/24	7/10/24 16:51	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0738
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT12A_062024	**Units:**	µg/L
Lab Code:	E2400734-006	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**2350**		10.0	5.00	2.50	100	7/ 3/24	7/10/24 16:57	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0745
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT12B_062024	**Units:**	µg/L
Lab Code:	E2400734-007	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**11800**		100	50.0	25.0	1000	7/ 3/24	7/10/24 17:02	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0752
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT12C_062024	**Units:**	µg/L
Lab Code:	E2400734-008	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**563**		5.00	2.50	1.25	50	7/ 3/24	7/10/24 17:08	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0800
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT12D_062024	**Units:**	µg/L
Lab Code:	E2400734-009	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**18.3**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 15:54	441033	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0800
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT12D_062024_a	**Units:**	µg/L
Lab Code:	E2400734-010	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**23.9**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 15:59	441033	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0810
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT12E_062024	**Units:**	µg/L
Lab Code:	E2400734-011	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**0.268**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 16:05	441033	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0818
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT13A_062024	**Units:**	µg/L
Lab Code:	E2400734-012	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**69.0**		1.00	0.500	0.250	10	7/ 3/24	7/11/24 11:17	441033	846974	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0825
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT13B_062024	**Units:**	µg/L
Lab Code:	E2400734-013	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**495**		5.00	2.50	1.25	50	7/ 3/24	7/10/24 17:13	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0834
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT13C_062024	**Units:**	µg/L
Lab Code:	E2400734-014	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**102**		1.00	0.500	0.250	10	7/ 3/24	7/10/24 17:19	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0843
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT13D_062024	**Units:**	µg/L
Lab Code:	E2400734-015	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**6.78**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 16:38	441033	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0843
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT13D_062024_a	**Units:**	µg/L
Lab Code:	E2400734-016	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**6.77**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 16:44	441033	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0855
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT13E_062024	**Units:**	µg/L
Lab Code:	E2400734-017	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**363**		1.00	0.500	0.250	10	7/ 3/24	7/10/24 17:24	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0902
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT13F_062024	**Units:**	µg/L
Lab Code:	E2400734-018	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**0.299**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 16:55	441033	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0914
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT14A_062024	**Units:**	µg/L
Lab Code:	E2400734-019	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**3.29**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 17:00	441033	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0922
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT14B_062024	**Units:**	µg/L
Lab Code:	E2400734-020	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**2800**		10.0	5.00	2.50	100	7/ 3/24	7/10/24 17:30	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0927
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT14C_062024	**Units:**	µg/L
Lab Code:	E2400734-021	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**1240**		10.0	5.00	2.50	100	7/ 3/24	7/10/24 17:35	441034	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0935
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT14D_062024	**Units:**	µg/L
Lab Code:	E2400734-022	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**23.4**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 17:17	441034	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0942
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT14E_062024	**Units:**	µg/L
Lab Code:	E2400734-023	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**87.2**		1.00	0.500	0.250	10	7/ 3/24	7/10/24 17:41	441034	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	EQ2400374-01	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**0**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 14:25	441033	846917	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	EQ2400375-01	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	ND		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 13:51	441034	846469	

Accuracy & Precision

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (281)530-5656 Fax (281)530-5887
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Analyzed:**	07/10/24
Sample Matrix:	Ground Water	**Date Extracted:**	07/03/24

Duplicate Lab Control Sample Summary
Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analysis Method:	6850	**Units:**	ug/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	846941

	Lab Control Sample EQ2400374-02			Duplicate Lab Control Sample EQ2400374-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perchlorate	0.111	0.100	111	0.0990	0.100	99	84-119	11	15

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	EQ2400374-02	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**0.111**		0.100	0.0500	0.0250	1	7/ 3/24	7/10/24 15:44	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Duplicate Lab Control Sample	**Units:**	µg/L
Lab Code:	EQ2400374-03	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**0.0990**		0.100	0.0500	0.0250	1	7/ 3/24	7/10/24 15:50	441033	846941	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	06/20/24
Sample Matrix:	Ground Water	**Date Received:**	06/21/24
		Date Analyzed:	07/10/24
		Date Extracted:	07/3/24

Duplicate Matrix Spike Summary
Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Sample Name:	ICT8_062024	**Units:**	ug/L
Lab Code:	E2400734-004	**Basis:**	NA
Analysis Method:	6850		
Prep Method:	Method		

		Matrix Spike EQ2400374-05			Duplicate Matrix Spike EQ2400374-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perchlorate	827	836	0.100	8250 #	839	0.100	11340 #	84-119	<1	15

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0712
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT8_062024	**Units:**	µg/L
Lab Code:	EQ2400374-05	**Basis:**	NA
Run Type:	Matrix Spike		

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**836**		10.0	5.00	2.50	100	7/ 3/24	7/10/24 16:29	441033	846941	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	6/20/24 0712
Sample Matrix:	Ground Water	**Date Received:**	6/21/24
Sample Name:	ICT8_062024	**Units:**	µg/L
Lab Code:	EQ2400374-06	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**839**		10.0	5.00	2.50	100	7/ 3/24	7/10/24 16:34	441033	846941	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Analyzed:**	07/05/24
Sample Matrix:	Ground Water	**Date Extracted:**	07/03/24

Duplicate Lab Control Sample Summary
Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analysis Method:	6850	**Units:**	ug/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	846469

	Lab Control Sample EQ2400375-02			Duplicate Lab Control Sample EQ2400375-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perchlorate	0.105	0.100	105	0.104	0.100	104	84-119	2	15

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	EQ2400375-02	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**0.105**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 13:56	441034	846469	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	E2400734
Project:	HS24061330	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Duplicate Lab Control Sample	**Units:**	µg/L
Lab Code:	EQ2400375-03	**Basis:**	NA

Perchlorates in Water, Soils, Solid Wastes Using High Performance LC/Electrospray/Mass Spectrometry

Analytical Method: 6850
Prep Method: Method

Analyte Name	Result	Q	LOQ	LOD	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perchlorate	**0.104**		0.100	0.0500	0.0250	1	7/ 3/24	7/5/24 14:02	441034	846469	

HS24061330 - ME - HG_W_DODICP_W_DOD REV01

ALS WO# HS24061330

ALS Houston, US Date: 13-Sep-24

Form 11 - INTERNAL STANDARD ASSOCIATION

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Instrument:ICPMS05

Mass	Analyte	Assoc Int Standard 1	Assoc Int Standard 2	Mode
9	Beryllium	Lithium		Ar
11	Boron	Lithium		Ar
23	Sodium	Germanium		ArHe
24	Magnesium	Germanium		ArHe
27	Aluminum	Germanium		ArHe
39	Potassium	Germanium		ArHe
44	Calcium	Germanium		Ar
47	Titanium	Germanium		Ar
51	Vanadium	Germanium		ArHe
52	Chromium	Germanium		ArHe
55	Manganese	Germanium		ArHe
56	Iron	Germanium		ArHe
59	Cobalt	Germanium		ArHe
60	Nickel	Germanium		ArHe
63	Copper	Germanium		ArHe
66	Zinc	Germanium		ArHe
75	Arsenic	Germanium		ArHe
82	Selenium	Germanium		Ar
88	Strontium	Indium		Ar
95	Molybdenum	Indium		Ar
105	Palladium	Germanium		Ar
107	Silver	Indium		Ar
114	Cadmium	Indium		Ar
118	Tin	Indium		Ar
121	Antimony	Germanium		ArHe
137	Barium	Indium		Ar
205	Thallium	Bismuth		Ar
208	Lead	Bismuth		Ar

ALS Houston, US

Date: 13-Sep-24

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330
Start Date: 05-Jul-2024 End Date: 05-Jul-2024

Run ID:HG04_471330
Instrument:HG04
Method:SW7470A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	05-Jul-2024 11:11	HG04_471330 Raw Data_8125309	HG
ICB	1	05-Jul-2024 11:13	_8125310	HG
CRA	1	05-Jul-2024 11:14	_8125311	HG
CCV 1	1	05-Jul-2024 11:19	_8125312	HG
CCB 1	1	05-Jul-2024 11:21	_8125313	HG
CCV 2	1	05-Jul-2024 11:49	_8125324	HG
CCB 2	1	05-Jul-2024 11:51	_8125325	HG
CCV 3	1	05-Jul-2024 12:12	_8125336	HG
CCB 3	1	05-Jul-2024 12:14	_8125337	HG
CCV 4	1	05-Jul-2024 12:36	_8125348	HG
CCB 4	1	05-Jul-2024 12:38	_8125349	HG
MBLK-214537	1	05-Jul-2024 12:51	_8125388	HG
LCS-214537	1	05-Jul-2024 12:53	_8125389	HG
ICT2_062024	1	05-Jul-2024 12:55	_8125390	HG
CCV 5	1	05-Jul-2024 12:58	_8125391	HG
CCB 5	1	05-Jul-2024 13:00	_8125357	HG
ICT4_062024	1	05-Jul-2024 13:02	_8125358	HG
ICT7_062024	1	05-Jul-2024 13:03	_8125359	HG
ICT8_062024	1	05-Jul-2024 13:05	_8125360	HG
ICT8_062024MS	1	05-Jul-2024 13:07	_8125361	HG
ICT8_062024MSD	1	05-Jul-2024 13:09	_8125362	HG
ICT11_062024	1	05-Jul-2024 13:10	_8125363	HG
ICT12A_062024	1	05-Jul-2024 13:13	_8125364	HG
ICT12B_062024	1	05-Jul-2024 13:15	_8125365	HG
ICT12C_062024	1	05-Jul-2024 13:16	_8125366	HG
CCV 6	1	05-Jul-2024 13:21	_8125368	HG
CCB 6	1	05-Jul-2024 13:24	_8125369	HG
ICT12D_062024	1	05-Jul-2024 13:26	_8125370	HG
ICT12D_062024_a	1	05-Jul-2024 13:28	_8125371	HG
ICT12E_062024	1	05-Jul-2024 13:30	_8125372	HG
ICT13A_062024	1	05-Jul-2024 13:31	_8125373	HG
ICT13B_062024	1	05-Jul-2024 13:33	_8125374	HG
ICT13C_062024	1	05-Jul-2024 13:35	_8125375	HG
ICT13D_062024	1	05-Jul-2024 13:36	_8125376	HG
ICT13D_062024_a	1	05-Jul-2024 13:38	_8125377	HG
ICT13E_062024	1	05-Jul-2024 13:40	_8125378	HG
ICT13F_062024	1	05-Jul-2024 13:42	_8125379	HG
CCV 7	1	05-Jul-2024 13:47	_8125380	HG
CCB 7	1	05-Jul-2024 13:48	_8125381	HG
ICT14A_062024	1	05-Jul-2024 13:50	_8125382	HG
ICT14B_062024	1	05-Jul-2024 13:52	_8125383	HG
MBLK-214538	1	05-Jul-2024 13:53	_8125384	HG
LCS-214538	1	05-Jul-2024 13:55	_8125385	HG
ICT14C_062024	1	05-Jul-2024 13:57	_8125386	HG
ICT14C_062024MS	1	05-Jul-2024 13:58	_8125387	HG
ICT14C_062024MSD	1	05-Jul-2024 14:00	_8125392	HG
ICT14D_062024	1	05-Jul-2024 14:02	_8125393	HG
ICT14E_062024	1	05-Jul-2024 14:04	_8125394	HG
CCV 8	1	05-Jul-2024 14:09	_8125396	HG
CCB 8	1	05-Jul-2024 14:11	_8125397	HG

ALS Houston, US

Date: 13-Sep-24

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330
Start Date: 05-Jul-2024 End Date: 05-Jul-2024

Run ID:HG04_471330
Instrument:HG04
Method:SW7470A

Sample No.	D/F	Time	FileID	Analytes
CCV 9	1	05-Jul-2024 14:33	_8125408	HG
CCB 9	1	05-Jul-2024 14:35	_8125409	HG
CCV 10	1	05-Jul-2024 14:55	_8125420	HG
CCB 10	1	05-Jul-2024 14:57	_8125421	HG
CCV 11	1	05-Jul-2024 15:02	_8125424	HG
CCB 11	1	05-Jul-2024 15:04	_8125425	HG
CRA	1	05-Jul-2024 15:06	_8125426	HG
CCV 12	1	05-Jul-2024 15:19	_8125466	HG
CCB 12	1	05-Jul-2024 15:20	_8125467	HG
CRA	1	05-Jul-2024 15:22	_8125468	HG

ALS Houston, US Date: 13-Sep-24

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330
Start Date: 04-Jul-2024 End Date: 05-Jul-2024

Run ID:ICPMS05_471259
Instrument:ICPMS05
Method:

Sample No.	D/F	Time	FileID	Analytes
ICPMS05_471259_Tune	1	04-Jul-2024 00:00	ICPMS05_471259_Tune_1	
CAL BLK	1	04-Jul-2024 10:00	011CALB.d_8123829	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
2/10/200	1	04-Jul-2024 10:02	012CALS.d_8123830	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
5/25/500	1	04-Jul-2024 10:04	013CALS.d_8123831	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
10/50/1000	1	04-Jul-2024 10:06	014CALS.d_8123832	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
100/500/10K	1	04-Jul-2024 10:08	015CALS.d_8123833	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
200/1000/20K	1	04-Jul-2024 10:10	016CALS.d_8123834	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICV	1	04-Jul-2024 10:16	018_ICV.d_8123836	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLICV2	1	04-Jul-2024 10:20	020LCV2.d_8123838	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLICV5	1	04-Jul-2024 10:23	021LCV5.d_8123839	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICB	1	04-Jul-2024 10:27	023_ICB.d_8123841	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSA	1	04-Jul-2024 10:31	024ICSA.d_8123842	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSAB	1	04-Jul-2024 10:33	025ICSB.d_8123843	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CAL BLK	1	04-Jul-2024 13:34	105CALB.d_8123929	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
2/10/200	1	04-Jul-2024 13:36	106CALS.d_8123930	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
5/25/500	1	04-Jul-2024 13:38	107CALS.d_8123931	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
10/50/1000	1	04-Jul-2024 13:40	108CALS.d_8123932	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
100/500/10K	1	04-Jul-2024 13:42	109CALS.d_8123933	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
200/1000/20K	1	04-Jul-2024 13:45	110CALS.d_8123934	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICV	1	04-Jul-2024 13:52	112_ICV.d_8123936	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLCCV2	1	04-Jul-2024 13:56	114LCV2.d_8123938	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLCCV5	1	04-Jul-2024 13:58	115LCV5.d_8123939	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICCB 1	1	04-Jul-2024 14:02	117_ICB.d_8123941	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CAL BLK	1	04-Jul-2024 18:10	216CALB.d_8124115	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
2/10/200	1	04-Jul-2024 18:12	217CALS.d_8124116	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
5/25/500	1	04-Jul-2024 18:14	218CALS.d_8124117	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
10/50/1000	1	04-Jul-2024 18:16	219CALS.d_8124118	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
100/500/10K	1	04-Jul-2024 18:18	220CALS.d_8124119	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
200/1000/20K	1	04-Jul-2024 18:20	221CALS.d_8124120	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICV	1	04-Jul-2024 18:25	223_ICV.d_8124122	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLCCV2	1	04-Jul-2024 18:29	225LCV2.d_8124124	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330
Start Date: 04-Jul-2024 End Date: 05-Jul-2024

Run ID:ICPMS05_471259
Instrument:ICPMS05
Method:

Sample No.	D/F	Time	FileID	Analytes
LLCCV5	1	04-Jul-2024 18:31	226LCV5.d_8124125	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICCB 2	1	04-Jul-2024 18:33	227_ICB.d_8124126	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 1	1	04-Jul-2024 20:00	266_CCV.d_8124129	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 3	1	04-Jul-2024 20:02	267_CCB.d_8124130	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 2	1	04-Jul-2024 21:05	276_CCV.d_8124135	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 4	1	04-Jul-2024 21:08	277_CCB.d_8124136	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 3	1	04-Jul-2024 21:27	284_CCV.d_8124143	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 5	1	04-Jul-2024 21:29	285_CCB.d_8124144	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 4	1	04-Jul-2024 21:52	295_CCV.d_8124165	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 6	1	04-Jul-2024 21:55	296_CCB.d_8124166	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 5	1	04-Jul-2024 22:21	307_CCV.d_8124153	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 7	1	04-Jul-2024 22:23	308_CCB.d_8124154	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
MBLK-214353	1	04-Jul-2024 22:37	314SMPL.d_8124173	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 6	1	04-Jul-2024 22:42	316_CCV.d_8124175	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 8	1	04-Jul-2024 22:45	317_CCB.d_8124176	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ZZZZZZSD	5	04-Jul-2024 22:49	319SMPL.d_8124178	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ZZZZZZPDS	1	04-Jul-2024 22:57	322SMPL.d_8124181	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 7	1	04-Jul-2024 22:59	323_CCV.d_8124182	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 9	1	04-Jul-2024 23:02	324_CCB.d_8124183	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSA	1	04-Jul-2024 23:04	325ICSA.d_8124184	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSAB	1	04-Jul-2024 23:06	326ICSB.d_8124185	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 8	1	04-Jul-2024 23:19	331_CCV.d_8124190	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 10	1	04-Jul-2024 23:21	332_CCB.d_8124191	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ZZZZZZSD	5	04-Jul-2024 23:26	334SMPL.d_8124193	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ZZZZZZPDS	1	04-Jul-2024 23:33	337SMPL.d_8124196	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 9	1	04-Jul-2024 23:36	338_CCV.d_8124197	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 11	1	04-Jul-2024 23:38	339_CCB.d_8124198	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 10	1	04-Jul-2024 23:58	347_CCV.d_8124242	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 12	1	05-Jul-2024 00:01	348_CCB.d_8124243	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT2_062024	1	05-Jul-2024 00:11	352SMPL.d_8124247	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT4_062024	1	05-Jul-2024 00:13	353SMPL.d_8124248	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN

ALS Houston, US Date: 13-Sep-24

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330
Start Date: 04-Jul-2024 End Date: 05-Jul-2024

Run ID:ICPMS05_471259
Instrument:ICPMS05
Method:

Sample No.	D/F	Time	FileID	Analytes
ICT7_062024	1	05-Jul-2024 00:16	354SMPL.d_8124249	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT11_062024	1	05-Jul-2024 00:18	355SMPL.d_8124250	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 11	1	05-Jul-2024 00:21	356_CCV.d_8124251	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 13	1	05-Jul-2024 00:23	357_CCB.d_8124252	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 12	1	05-Jul-2024 00:39	363_CCV.d_8124265	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 14	1	05-Jul-2024 00:41	364_CCB.d_8124266	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 13	1	05-Jul-2024 01:03	372_CCV.d_8124254	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 15	1	05-Jul-2024 01:05	373_CCB.d_8124255	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLICV2	1	05-Jul-2024 01:08	374LCV2.d_8124256	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLICV5	1	05-Jul-2024 01:11	375LCV5.d_8124257	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSA	1	05-Jul-2024 01:13	376ICSA.d_8124258	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSAB	1	05-Jul-2024 01:16	377ICSB.d_8124259	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN

ALS Houston, US Date: 13-Sep-24

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330
Start Date: 05-Jul-2024 End Date: 05-Jul-2024

Run ID:ICPMS05_471291
Instrument:ICPMS05
Method:

Sample No.	D/F	Time	FileID	Analytes
ICPMS05_471291_Tune	1	05-Jul-2024 00:00	ICPMS05_471291_Tune_1	
CAL BLK	1	05-Jul-2024 09:55	011CALB.d_8124660	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
2/10/200	1	05-Jul-2024 09:57	012CALS.d_8124661	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
5/25/500	1	05-Jul-2024 09:59	013CALS.d_8124662	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
10/50/1000	1	05-Jul-2024 10:01	014CALS.d_8124645	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
100/500/10K	1	05-Jul-2024 10:03	015CALS.d_8124646	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
200/1000/20K	1	05-Jul-2024 10:05	016CALS.d_8124647	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICV	1	05-Jul-2024 10:25	021_ICV.d_8124652	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLICV2	1	05-Jul-2024 10:29	023LCV2.d_8124654	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLICV5	1	05-Jul-2024 10:31	024LCV5.d_8124655	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICB	1	05-Jul-2024 10:36	026_ICB.d_8124657	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSA	1	05-Jul-2024 10:38	027ICSA.d_8124658	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSAB	1	05-Jul-2024 10:40	028ICSB.d_8124659	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 1	1	05-Jul-2024 11:03	031_CCV.d_8124832	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 1	1	05-Jul-2024 11:05	032_CCB.d_8124833	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 2	1	05-Jul-2024 11:28	043_CCV.d_8124843	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 2	1	05-Jul-2024 11:30	044_CCB.d_8124844	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 3	1	05-Jul-2024 12:22	067_CCV.d_8124957	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 3	1	05-Jul-2024 12:24	068_CCB.d_8124958	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LCS-214353	1	05-Jul-2024 12:28	070SMPL.d_8124960	AG AL AS BA CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ZZZZZZMS	1	05-Jul-2024 12:34	073SMPL.d_8124963	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ZZZZZZMSD	1	05-Jul-2024 12:37	074SMPL.d_8124964	AG AL AS BA BE CD CO CR CU MG MN NA NI SB SE TL
ZZZZZZMS	1	05-Jul-2024 12:41	076SMPL.d_8124966	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ZZZZZZMSD	1	05-Jul-2024 12:43	077SMPL.d_8124967	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 4	1	05-Jul-2024 12:47	079_CCV.d_8124969	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 4	1	05-Jul-2024 12:49	080_CCB.d_8124970	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ZZZZZZMSD	1	05-Jul-2024 13:09	089SMPL.d_8125000	CD FE K PB V ZN
CCV 5	1	05-Jul-2024 13:13	091_CCV.d_8125002	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 5	1	05-Jul-2024 13:15	092_CCB.d_8125003	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LCS-214353	1	05-Jul-2024 13:36	102SMPL.d_8125075	BE
CCV 6	1	05-Jul-2024 13:38	103_CCV.d_8125076	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 6	1	05-Jul-2024 13:40	104_CCB.d_8125077	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330
Start Date: 09-Jul-2024 End Date: 09-Jul-2024

Run ID:ICPMS05_471442
Instrument:ICPMS05
Method:

Sample No.	D/F	Time	FileID	Analytes
ICPMS05_471442_Tune	1	09-Jul-2024 00:00	ICPMS05_471442_Tune_1	
CAL BLK	1	09-Jul-2024 10:31	011CALB.d_8127853	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
2/10/200	1	09-Jul-2024 10:33	012CALS.d_8127854	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
5/25/500	1	09-Jul-2024 10:35	013CALS.d_8127855	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
10/50/1000	1	09-Jul-2024 10:37	014CALS.d_8127856	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
100/500/10K	1	09-Jul-2024 10:39	015CALS.d_8127857	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
200/1000/20K	1	09-Jul-2024 10:41	016CALS.d_8127858	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICV	1	09-Jul-2024 10:47	018_ICV.d_8127860	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLICV2	1	09-Jul-2024 10:51	020LCV2.d_8127862	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LLICV5	1	09-Jul-2024 10:54	021LCV5.d_8127863	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICB	1	09-Jul-2024 10:58	023_ICB.d_8127865	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSA	1	09-Jul-2024 11:00	024ICSA.d_8127866	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICSAB	1	09-Jul-2024 11:02	025ICSB.d_8127867	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 1	1	09-Jul-2024 11:13	029_CCB.d_8127929	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 1	1	09-Jul-2024 11:15	030_CCV.d_8127930	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
MBLK-214521	1	09-Jul-2024 11:21	033SMPL.d_8127931	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
LCS-214521	1	09-Jul-2024 11:24	034SMPL.d_8127932	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 2	1	09-Jul-2024 11:34	039_CCB.d_8127958	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 2	1	09-Jul-2024 11:36	040_CCV.d_8127959	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT8_062024	1	09-Jul-2024 11:38	041SMPL.d_8127960	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT8_062024SD	5	09-Jul-2024 11:40	042SMPL.d_8127965	AG AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT8_062024MS	1	09-Jul-2024 11:43	043SMPL.d_8127966	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT8_062024MSD	1	09-Jul-2024 11:45	044SMPL.d_8127967	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT8_062024PDS	1	09-Jul-2024 11:47	045SMPL.d_8127968	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT12A_062024	1	09-Jul-2024 11:49	046SMPL.d_8127969	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT12B_062024	1	09-Jul-2024 11:51	047SMPL.d_8127970	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT12C_062024	1	09-Jul-2024 11:53	048SMPL.d_8127971	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT12D_062024	1	09-Jul-2024 11:55	049SMPL.d_8127972	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 3	1	09-Jul-2024 11:59	051_CCV.d_8127974	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 3	1	09-Jul-2024 12:01	052_CCB.d_8127975	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT12D_062024_a	1	09-Jul-2024 12:04	053SMPL.d_8128017	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN

ALS Houston, US

Date: 13-Sep-24

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330
Start Date: 09-Jul-2024 End Date: 09-Jul-2024

Run ID:ICPMS05_471442
Instrument:ICPMS05
Method:

Sample No.	D/F	Time	FileID	Analytes
ICT12E_062024	1	09-Jul-2024 12:06	054SMPL.d_8128018	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI SB SE V ZN
ICT13A_062024	1	09-Jul-2024 12:08	055SMPL.d_8128019	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT13B_062024	1	09-Jul-2024 12:10	056SMPL.d_8128020	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT13C_062024	1	09-Jul-2024 12:12	057SMPL.d_8128021	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT13D_062024	1	09-Jul-2024 12:14	058SMPL.d_8128022	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT13D_062024_a	1	09-Jul-2024 12:16	059SMPL.d_8128023	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT13E_062024	1	09-Jul-2024 12:19	060SMPL.d_8128024	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT13F_062024	1	09-Jul-2024 12:21	061SMPL.d_8128025	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 4	1	09-Jul-2024 12:25	063_CCV.d_8128027	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 4	1	09-Jul-2024 12:27	064_CCB.d_8128028	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT14A_062024	1	09-Jul-2024 12:35	068SMPL.d_8128046	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT14B_062024	1	09-Jul-2024 12:38	069SMPL.d_8128047	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT14C_062024	1	09-Jul-2024 12:40	070SMPL.d_8128048	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT14D_062024	1	09-Jul-2024 12:42	071SMPL.d_8128049	AG AL AS BA BE CA CD CO CR CU FE K MG MN NI PB SB SE TL V ZN
ICT14E_062024	1	09-Jul-2024 12:44	072SMPL.d_8128050	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 5	1	09-Jul-2024 12:50	075_CCV.d_8128053	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 5	1	09-Jul-2024 12:52	076_CCB.d_8128054	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
ICT12E_062024	5	09-Jul-2024 13:09	084SMPL.d_8128070	PB TL
ICT14D_062024	100	09-Jul-2024 13:11	085SMPL.d_8128071	NA
CCV 6	1	09-Jul-2024 13:15	087_CCV.d_8128073	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 6	1	09-Jul-2024 13:17	088_CCB.d_8128074	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCV 7	1	09-Jul-2024 13:41	099_CCV.d_8128259	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN
CCB 7	1	09-Jul-2024 13:43	100_CCB.d_8128260	AG AL AS BA BE CA CD CO CR CU FE K MG MN NA NI PB SB SE TL V ZN

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: HG04_471330
Instrument: HG04
Method: SW7470A

ICV	Date: 05-Jul-2024 11:11		Seq: 8125309	ICV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	5.33	107	90-110	

CCV1	Date: 05-Jul-2024 11:19		Seq: 8125312	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	5.04	101	90-110	

CCV2	Date: 05-Jul-2024 11:49		Seq: 8125324	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	4.99	100	90-110	

CCV3	Date: 05-Jul-2024 12:12		Seq: 8125336	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	5.01	100	90-110	

CCV4	Date: 05-Jul-2024 12:36		Seq: 8125348	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	4.98	100	90-110	

CCV5	Date: 05-Jul-2024 12:58		Seq: 8125391	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	4.92	98	90-110	

CCV6	Date: 05-Jul-2024 13:21		Seq: 8125368	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	5.11	102	90-110	

CCV7	Date: 05-Jul-2024 13:47		Seq: 8125380	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	5.01	100	90-110	

CCV8	Date: 05-Jul-2024 14:09		Seq: 8125396	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	5.03	101	90-110	

CCV9	Date: 05-Jul-2024 14:33		Seq: 8125408	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	5.01	100	90-110	

CCV10	Date: 05-Jul-2024 14:55		Seq: 8125420	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	5	100	90-110	

CCV11	Date: 05-Jul-2024 15:02		Seq: 8125424	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	5	100	90-110	

CCV12	Date: 05-Jul-2024 15:19		Seq: 8125466	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Mercury	5	4.93	99	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

ICV Date: 04-Jul-2024 10:16 Seq: 8123836 ICV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	101.338	101	90-110	
Antimony	100	101.186	101	90-110	
Arsenic	100	100.487	100	90-110	
Barium	100	98.879	99	90-110	
Beryllium	100	100.241	100	90-110	
Cadmium	100	98.944	99	90-110	
Calcium	10000	9929.097	99	90-110	
Chromium	100	99.756	100	90-110	
Cobalt	100	100.792	101	90-110	
Copper	100	101.525	102	90-110	
Iron	10000	10015.584	100	90-110	
Lead	100	97.686	98	90-110	
Magnesium	10000	10093.572	101	90-110	
Manganese	100	101.207	101	90-110	
Nickel	100	101.838	102	90-110	
Potassium	10000	10097.162	101	90-110	
Selenium	100	99.95	100	90-110	
Silver	100	106.776	107	90-110	
Sodium	10000	9939.74	99	90-110	
Thallium	100	97.995	98	90-110	
Vanadium	100	98.636	99	90-110	
Zinc	100	100.824	101	90-110	

ICV Date: 04-Jul-2024 13:52 Seq: 8123936 ICV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	101.275	101	90-110	
Antimony	100	103.294	103	90-110	
Arsenic	100	102.316	102	90-110	
Barium	100	100.86	101	90-110	
Beryllium	100	101.018	101	90-110	
Cadmium	100	101.692	102	90-110	
Calcium	10000	10108.986	101	90-110	
Chromium	100	101.875	102	90-110	
Cobalt	100	102.392	102	90-110	
Copper	100	102.194	102	90-110	
Iron	10000	10128.543	101	90-110	
Lead	100	99.381	99	90-110	
Magnesium	10000	10327.391	103	90-110	
Manganese	100	102.044	102	90-110	
Nickel	100	102.749	103	90-110	
Potassium	10000	10175.834	102	90-110	
Selenium	100	101.2	101	90-110	
Silver	100	109.017	109	90-110	
Sodium	10000	10180.742	102	90-110	
Thallium	100	95.605	96	90-110	
Vanadium	100	102.69	103	90-110	
Zinc	100	101.535	102	90-110	

ICV Date: 04-Jul-2024 18:25 Seq: 8124122 ICV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	100.691	101	90-110	
Antimony	100	103.735	104	90-110	
Arsenic	100	103.816	104	90-110	
Barium	100	101.572	102	90-110	
Beryllium	100	96.454	97	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

ICV Date: 04-Jul-2024 18:25 Seq: 8124122 ICV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Cadmium	100	101.245	101	90-110	
Calcium	10000	10159.001	102	90-110	
Chromium	100	102.839	103	90-110	
Cobalt	100	104.12	104	90-110	
Copper	100	104.489	104	90-110	
Iron	10000	10340.94	103	90-110	
Lead	100	100.98	101	90-110	
Magnesium	10000	10182.219	102	90-110	
Manganese	100	103.634	104	90-110	
Nickel	100	103.839	104	90-110	
Potassium	10000	10370.018	104	90-110	
Selenium	100	105.248	105	90-110	
Silver	100	108.144	108	90-110	
Sodium	10000	10061.114	101	90-110	
Thallium	100	104.663	105	90-110	
Vanadium	100	102.595	103	90-110	
Zinc	100	103.783	104	90-110	

CCV1 Date: 04-Jul-2024 20:00 Seq: 8124129 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	101.146	101	90-110	
Antimony	100	98.83	99	90-110	
Arsenic	100	98.037	98	90-110	
Barium	100	97.381	97	90-110	
Beryllium	100	91.236	91	90-110	
Cadmium	100	97.264	97	90-110	
Calcium	10000	9749.158	98	90-110	
Chromium	100	98.833	99	90-110	
Cobalt	100	99.832	100	90-110	
Copper	100	98.676	99	90-110	
Iron	10000	10175.046	102	90-110	
Lead	100	96.878	97	90-110	
Magnesium	10000	9770.096	98	90-110	
Manganese	100	100.033	100	90-110	
Nickel	100	100.169	100	90-110	
Potassium	10000	9897.656	99	90-110	
Selenium	100	98.389	98	90-110	
Silver	100	104.478	104	90-110	
Sodium	10000	9757.065	98	90-110	
Thallium	100	99.227	99	90-110	
Vanadium	100	97.932	98	90-110	
Zinc	100	98.35	98	90-110	

CCV2 Date: 04-Jul-2024 21:05 Seq: 8124135 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	103.565	104	90-110	
Antimony	100	98.424	98	90-110	
Arsenic	100	99.291	99	90-110	
Barium	100	98.812	99	90-110	
Beryllium	100	92.676	93	90-110	
Cadmium	100	97.328	97	90-110	
Calcium	10000	10036.024	100	90-110	
Chromium	100	100.4	100	90-110	
Cobalt	100	99.976	100	90-110	
Copper	100	100.255	100	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCV2 Date: 04-Jul-2024 21:05 Seq: 8124135 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Iron	10000	10071.554	101	90-110	
Lead	100	95.813	96	90-110	
Magnesium	10000	9936.833	99	90-110	
Manganese	100	100.141	100	90-110	
Nickel	100	100.694	101	90-110	
Potassium	10000	10186.292	102	90-110	
Selenium	100	99.206	99	90-110	
Silver	100	107.764	108	90-110	
Sodium	10000	9965.626	100	90-110	
Thallium	100	97.216	97	90-110	
Vanadium	100	99.383	99	90-110	
Zinc	100	99.394	99	90-110	

CCV3 Date: 04-Jul-2024 21:27 Seq: 8124143 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	101.991	102	90-110	
Antimony	100	97.298	97	90-110	
Arsenic	100	98.127	98	90-110	
Barium	100	97.392	97	90-110	
Beryllium	100	93.019	93	90-110	
Cadmium	100	95.923	96	90-110	
Calcium	10000	9807.117	98	90-110	
Chromium	100	98.036	98	90-110	
Cobalt	100	99.109	99	90-110	
Copper	100	98.177	98	90-110	
Iron	10000	10095.315	101	90-110	
Lead	100	97.651	98	90-110	
Magnesium	10000	9748.417	98	90-110	
Manganese	100	100.819	101	90-110	
Nickel	100	99.094	99	90-110	
Potassium	10000	9992.43	100	90-110	
Selenium	100	100.403	100	90-110	
Silver	100	106.167	106	90-110	
Sodium	10000	9778.014	98	90-110	
Thallium	100	98.884	99	90-110	
Vanadium	100	97.88	98	90-110	
Zinc	100	99.284	99	90-110	

CCV4 Date: 04-Jul-2024 21:52 Seq: 8124165 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	101.082	101	90-110	
Antimony	100	95.664	96	90-110	
Arsenic	100	97.047	97	90-110	
Barium	100	98.085	98	90-110	
Beryllium	100	94.457	95	90-110	
Cadmium	100	97.96	98	90-110	
Calcium	10000	9716.784	97	90-110	
Chromium	100	97.273	97	90-110	
Cobalt	100	98.661	99	90-110	
Copper	100	98.821	99	90-110	
Iron	10000	9959.382	100	90-110	
Lead	100	96.813	97	90-110	
Magnesium	10000	9773.228	98	90-110	
Manganese	100	99.533	100	90-110	
Nickel	100	99.409	99	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCV4 Date: 04-Jul-2024 21:52 Seq: 8124165 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Potassium	10000	10012.936	100	90-110	
Selenium	100	98.182	98	90-110	
Silver	100	106.078	106	90-110	
Sodium	10000	9604.954	96	90-110	
Thallium	100	99.223	99	90-110	
Vanadium	100	96.512	97	90-110	
Zinc	100	97.533	98	90-110	

CCV5 Date: 04-Jul-2024 22:21 Seq: 8124153 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	102.638	103	90-110	
Antimony	100	98.356	98	90-110	
Arsenic	100	97.971	98	90-110	
Barium	100	99.73	100	90-110	
Beryllium	100	91.676	92	90-110	
Cadmium	100	97.6	98	90-110	
Calcium	10000	9790.454	98	90-110	
Chromium	100	99.659	100	90-110	
Cobalt	100	100.001	100	90-110	
Copper	100	100.014	100	90-110	
Iron	10000	10031.373	100	90-110	
Lead	100	97.803	98	90-110	
Magnesium	10000	9815.898	98	90-110	
Manganese	100	100.243	100	90-110	
Nickel	100	100.802	101	90-110	
Potassium	10000	10120.978	101	90-110	
Selenium	100	98.741	99	90-110	
Silver	100	107.216	107	90-110	
Sodium	10000	9647.472	97	90-110	
Thallium	100	99.804	100	90-110	
Vanadium	100	99.075	99	90-110	
Zinc	100	98.163	98	90-110	

CCV6 Date: 04-Jul-2024 22:42 Seq: 8124175 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	102.505	103	90-110	
Antimony	100	97.923	98	90-110	
Arsenic	100	97.652	98	90-110	
Barium	100	98.4	98	90-110	
Beryllium	100	94.528	95	90-110	
Cadmium	100	97.785	98	90-110	
Calcium	10000	9791.31	98	90-110	
Chromium	100	99.053	99	90-110	
Cobalt	100	99.243	99	90-110	
Copper	100	100.002	100	90-110	
Iron	10000	10021.616	100	90-110	
Lead	100	97.564	98	90-110	
Magnesium	10000	9721.134	97	90-110	
Manganese	100	99.685	100	90-110	
Nickel	100	101.003	101	90-110	
Potassium	10000	10062.183	101	90-110	
Selenium	100	98.794	99	90-110	
Silver	100	107.795	108	90-110	
Sodium	10000	9772.635	98	90-110	
Thallium	100	98.947	99	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCV6	Date: 04-Jul-2024 22:42		Seq: 8124175	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Vanadium	100	99.249	99	90-110	
Zinc	100	98.784	99	90-110	

CCV7	Date: 04-Jul-2024 22:59		Seq: 8124182	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Aluminum	100	103.277	103	90-110	
Antimony	100	97.685	98	90-110	
Arsenic	100	97.243	97	90-110	
Barium	100	98.238	98	90-110	
Beryllium	100	94.103	94	90-110	
Cadmium	100	97.582	98	90-110	
Calcium	10000	9798.956	98	90-110	
Chromium	100	98.808	99	90-110	
Cobalt	100	99.527	100	90-110	
Copper	100	99.815	100	90-110	
Iron	10000	10036.811	100	90-110	
Lead	100	97.436	97	90-110	
Magnesium	10000	9832.94	98	90-110	
Manganese	100	99.876	100	90-110	
Nickel	100	101.348	101	90-110	
Potassium	10000	10120.746	101	90-110	
Selenium	100	98.079	98	90-110	
Silver	100	107.268	107	90-110	
Sodium	10000	9745.026	98	90-110	
Thallium	100	99.623	100	90-110	
Vanadium	100	98.058	98	90-110	
Zinc	100	98.762	99	90-110	

CCV8	Date: 04-Jul-2024 23:19		Seq: 8124190	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Aluminum	100	102.764	103	90-110	
Antimony	100	97.643	98	90-110	
Arsenic	100	96.949	97	90-110	
Barium	100	98.058	98	90-110	
Beryllium	100	95.236	95	90-110	
Cadmium	100	97.968	98	90-110	
Calcium	10000	9653.939	97	90-110	
Chromium	100	97.754	98	90-110	
Cobalt	100	98.119	98	90-110	
Copper	100	98.056	98	90-110	
Iron	10000	9961.918	100	90-110	
Lead	100	97.513	98	90-110	
Magnesium	10000	9548.768	96	90-110	
Manganese	100	97.592	98	90-110	
Nickel	100	98.311	98	90-110	
Potassium	10000	9911.72	99	90-110	
Selenium	100	97.56	98	90-110	
Silver	100	106.424	106	90-110	
Sodium	10000	9482.102	95	90-110	
Thallium	100	99.418	99	90-110	
Vanadium	100	97.427	97	90-110	
Zinc	100	97.514	98	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCV9 Date: 04-Jul-2024 23:36 Seq: 8124197 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	102.824	103	90-110	
Antimony	100	97.811	98	90-110	
Arsenic	100	98.426	98	90-110	
Barium	100	98.048	98	90-110	
Beryllium	100	94.694	95	90-110	
Cadmium	100	96.837	97	90-110	
Calcium	10000	9747.528	98	90-110	
Chromium	100	99.355	99	90-110	
Cobalt	100	99.945	100	90-110	
Copper	100	99.468	100	90-110	
Iron	10000	10234.157	102	90-110	
Lead	100	97.429	97	90-110	
Magnesium	10000	9874.26	99	90-110	
Manganese	100	100.165	100	90-110	
Nickel	100	99.904	100	90-110	
Potassium	10000	10160.719	102	90-110	
Selenium	100	95.943	96	90-110	
Silver	100	106.064	106	90-110	
Sodium	10000	9788.041	98	90-110	
Thallium	100	99.785	100	90-110	
Vanadium	100	98.767	99	90-110	
Zinc	100	98.497	99	90-110	

CCV10 Date: 04-Jul-2024 23:58 Seq: 8124242 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	101.708	102	90-110	
Antimony	100	95.836	96	90-110	
Arsenic	100	96.476	97	90-110	
Barium	100	96.951	97	90-110	
Beryllium	100	94.615	95	90-110	
Cadmium	100	96.669	97	90-110	
Calcium	10000	9689.132	97	90-110	
Chromium	100	98.292	98	90-110	
Cobalt	100	99.085	99	90-110	
Copper	100	99.135	99	90-110	
Iron	10000	10074.28	101	90-110	
Lead	100	95.925	96	90-110	
Magnesium	10000	9883.253	99	90-110	
Manganese	100	98.567	99	90-110	
Nickel	100	99.149	99	90-110	
Potassium	10000	10008.905	100	90-110	
Selenium	100	96.83	97	90-110	
Silver	100	106.132	106	90-110	
Sodium	10000	9686.168	97	90-110	
Thallium	100	96.636	97	90-110	
Vanadium	100	97.425	97	90-110	
Zinc	100	97.514	98	90-110	

CCV11 Date: 05-Jul-2024 00:21 Seq: 8124251 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	100.314	100	90-110	
Antimony	100	95.182	95	90-110	
Arsenic	100	96.2	96	90-110	
Barium	100	99.231	99	90-110	
Beryllium	100	94.163	94	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCV11 Date: 05-Jul-2024 00:21 Seq: 8124251 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Cadmium	100	96.312	96	90-110	
Calcium	10000	9635.588	96	90-110	
Chromium	100	97.576	98	90-110	
Cobalt	100	98.507	99	90-110	
Copper	100	99.465	100	90-110	
Iron	10000	10013.39	100	90-110	
Lead	100	96.7	97	90-110	
Magnesium	10000	9619.771	96	90-110	
Manganese	100	98.128	98	90-110	
Nickel	100	99.59	100	90-110	
Potassium	10000	9984.452	100	90-110	
Selenium	100	97.169	97	90-110	
Silver	100	105.369	105	90-110	
Sodium	10000	9599.232	96	90-110	
Thallium	100	97.825	98	90-110	
Vanadium	100	97.024	97	90-110	
Zinc	100	97.357	97	90-110	

CCV12 Date: 05-Jul-2024 00:39 Seq: 8124265 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	97.324	97	90-110	
Antimony	100	96.829	97	90-110	
Arsenic	100	98.365	98	90-110	
Barium	100	98.529	99	90-110	
Beryllium	100	96.648	97	90-110	
Cadmium	100	98.141	98	90-110	
Calcium	10000	9824.552	98	90-110	
Chromium	100	100.058	100	90-110	
Cobalt	100	100.898	101	90-110	
Copper	100	101.29	101	90-110	
Iron	10000	10219.717	102	90-110	
Lead	100	98.251	98	90-110	
Magnesium	10000	10051.943	101	90-110	
Manganese	100	99.754	100	90-110	
Nickel	100	100.874	101	90-110	
Potassium	10000	10179.555	102	90-110	
Selenium	100	97.802	98	90-110	
Silver	100	104.602	105	90-110	
Sodium	10000	9849.517	99	90-110	
Thallium	100	99.822	100	90-110	
Vanadium	100	99.114	99	90-110	
Zinc	100	98.854	99	90-110	

CCV13 Date: 05-Jul-2024 01:03 Seq: 8124254 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	98.318	98	90-110	
Antimony	100	99.639	100	90-110	
Arsenic	100	98.725	99	90-110	
Barium	100	98.755	99	90-110	
Beryllium	100	92.524	93	90-110	
Cadmium	100	96.65	97	90-110	
Calcium	10000	9862.818	99	90-110	
Chromium	100	99.859	100	90-110	
Cobalt	100	100.744	101	90-110	
Copper	100	100.627	101	90-110	

ALS Houston, US Date: 13-Sep-24

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCV13 | Date: 05-Jul-2024 01:03 | Seq: 8124254 | CCV | Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Iron	10000	10309.387	103	90-110	
Lead	100	95.126	95	90-110	
Magnesium	10000	10073.882	101	90-110	
Manganese	100	100.687	101	90-110	
Nickel	100	101.598	102	90-110	
Potassium	10000	10091.23	101	90-110	
Selenium	100	97.582	98	90-110	
Silver	100	102.375	102	90-110	
Sodium	10000	9877.003	99	90-110	
Thallium	100	97.122	97	90-110	
Vanadium	100	99.365	99	90-110	
Zinc	100	98.68	99	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471291
Instrument: ICPMS05
Method: SW6020A

ICV Date: 05-Jul-2024 10:25 Seq: 8124652 ICV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	102.474	102	90-110	
Antimony	100	100.9	101	90-110	
Arsenic	100	101.938	102	90-110	
Barium	100	99.15	99	90-110	
Beryllium	100	97.121	97	90-110	
Cadmium	100	99.959	100	90-110	
Calcium	10000	10229.122	102	90-110	
Chromium	100	101.305	101	90-110	
Cobalt	100	101.862	102	90-110	
Copper	100	101.579	102	90-110	
Iron	10000	10196.773	102	90-110	
Lead	100	98.658	99	90-110	
Magnesium	10000	10324.495	103	90-110	
Manganese	100	100.916	101	90-110	
Nickel	100	102.04	102	90-110	
Potassium	10000	10294.027	103	90-110	
Selenium	100	103.308	103	90-110	
Silver	100	99.674	100	90-110	
Sodium	10000	10155.898	102	90-110	
Thallium	100	99.664	100	90-110	
Vanadium	100	101.346	101	90-110	
Zinc	100	103.727	104	90-110	

CCV1 Date: 05-Jul-2024 11:03 Seq: 8124832 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	102.869	103	90-110	
Antimony	100	105.68	106	90-110	
Arsenic	100	103.798	104	90-110	
Barium	100	104.643	105	90-110	
Beryllium	100	101.226	101	90-110	
Cadmium	100	106.703	107	90-110	
Calcium	10000	9866.957	99	90-110	
Chromium	100	105.818	106	90-110	
Cobalt	100	105.681	106	90-110	
Copper	100	106.148	106	90-110	
Iron	10000	10060.917	101	90-110	
Lead	100	105.475	105	90-110	
Magnesium	10000	9994.9	100	90-110	
Manganese	100	104.594	105	90-110	
Nickel	100	106.522	107	90-110	
Potassium	10000	10021.596	100	90-110	
Selenium	100	105.706	106	90-110	
Silver	100	102.72	103	90-110	
Sodium	10000	9735.074	97	90-110	
Thallium	100	109.812	110	90-110	
Vanadium	100	105.378	105	90-110	
Zinc	100	102.558	103	90-110	

CCV2 Date: 05-Jul-2024 11:28 Seq: 8124843 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	105.453	105	90-110	
Antimony	100	107.139	107	90-110	
Arsenic	100	104.496	104	90-110	
Barium	100	104.436	104	90-110	
Beryllium	100	101.622	102	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471291
Instrument: ICPMS05
Method: SW6020A

CCV2 Date: 05-Jul-2024 11:28 Seq: 8124843 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Cadmium	100	107.202	107	90-110	
Calcium	10000	9981.613	100	90-110	
Chromium	100	106.39	106	90-110	
Cobalt	100	106.331	106	90-110	
Copper	100	107.891	108	90-110	
Iron	10000	10039.249	100	90-110	
Lead	100	105.576	106	90-110	
Magnesium	10000	10168.615	102	90-110	
Manganese	100	104.75	105	90-110	
Nickel	100	106.979	107	90-110	
Potassium	10000	10074.423	101	90-110	
Selenium	100	104.597	105	90-110	
Silver	100	103.048	103	90-110	
Sodium	10000	10020.69	100	90-110	
Thallium	100	108.944	109	90-110	
Vanadium	100	106.378	106	90-110	
Zinc	100	103.072	103	90-110	

CCV3 Date: 05-Jul-2024 12:22 Seq: 8124957 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	100.708	101	90-110	
Antimony	100	108.511	109	90-110	
Arsenic	100	104.683	105	90-110	
Barium	100	103.317	103	90-110	
Beryllium	100	99.969	100	90-110	
Cadmium	100	103.38	103	90-110	
Calcium	10000	9631.848	96	90-110	
Chromium	100	102.456	102	90-110	
Cobalt	100	103.593	104	90-110	
Copper	100	104.229	104	90-110	
Iron	10000	9865.711	99	90-110	
Lead	100	104.225	104	90-110	
Magnesium	10000	9763.05	98	90-110	
Manganese	100	102.193	102	90-110	
Nickel	100	103.275	103	90-110	
Potassium	10000	9693.662	97	90-110	
Selenium	100	104.736	105	90-110	
Silver	100	99.64	100	90-110	
Sodium	10000	9549.73	96	90-110	
Thallium	100	107.6	108	90-110	
Vanadium	100	103.037	103	90-110	
Zinc	100	102.925	103	90-110	

CCV4 Date: 05-Jul-2024 12:47 Seq: 8124969 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	100.887	101	90-110	
Antimony	100	109.228	109	90-110	
Arsenic	100	103.857	104	90-110	
Barium	100	104.262	104	90-110	
Beryllium	100	100.679	101	90-110	
Cadmium	100	104.771	105	90-110	
Calcium	10000	9615.523	96	90-110	
Chromium	100	102.267	102	90-110	
Cobalt	100	102.713	103	90-110	
Copper	100	103.277	103	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471291
Instrument: ICPMS05
Method: SW6020A

CCV4 Date: 05-Jul-2024 12:47 Seq: 8124969 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Iron	10000	9709.793	97	90-110	
Lead	100	104.985	105	90-110	
Magnesium	10000	9658.1	97	90-110	
Manganese	100	101.231	101	90-110	
Nickel	100	102.033	102	90-110	
Potassium	10000	9749.993	98	90-110	
Selenium	100	104.332	104	90-110	
Silver	100	100.238	100	90-110	
Sodium	10000	9444.749	94	90-110	
Thallium	100	107.754	108	90-110	
Vanadium	100	101.682	102	90-110	
Zinc	100	101.51	102	90-110	

CCV5 Date: 05-Jul-2024 13:13 Seq: 8125002 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	103.287	103	90-110	
Antimony	100	100.683	101	90-110	
Arsenic	100	98.623	99	90-110	
Barium	100	100.222	100	90-110	
Beryllium	100	94.809	95	90-110	
Cadmium	100	99.018	99	90-110	
Calcium	10000	9576.124	96	90-110	
Chromium	100	97.404	97	90-110	
Cobalt	100	98.086	98	90-110	
Copper	100	98.933	99	90-110	
Iron	10000	9723.785	97	90-110	
Lead	100	99.839	100	90-110	
Magnesium	10000	9637.197	96	90-110	
Manganese	100	97.712	98	90-110	
Nickel	100	98.848	99	90-110	
Potassium	10000	9589.158	96	90-110	
Selenium	100	99.113	99	90-110	
Silver	100	93.207	93	90-110	
Sodium	10000	9560.044	96	90-110	
Thallium	100	101.143	101	90-110	
Vanadium	100	97.356	97	90-110	
Zinc	100	96.87	97	90-110	

CCV6 Date: 05-Jul-2024 13:38 Seq: 8125076 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	105.018	105	90-110	
Antimony	100	103.999	104	90-110	
Arsenic	100	99.097	99	90-110	
Barium	100	100.567	101	90-110	
Beryllium	100	94.51	95	90-110	
Cadmium	100	99.428	99	90-110	
Calcium	10000	9676.986	97	90-110	
Chromium	100	97.658	98	90-110	
Cobalt	100	98.152	98	90-110	
Copper	100	99.31	99	90-110	
Iron	10000	9915.423	99	90-110	
Lead	100	102.129	102	90-110	
Magnesium	10000	9887.571	99	90-110	
Manganese	100	99.115	99	90-110	
Nickel	100	99.468	100	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471291
Instrument: ICPMS05
Method: SW6020A

CCV6 Date: 05-Jul-2024 13:38 Seq: 8125076 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Potassium	10000	9992.777	100	90-110	
Selenium	100	99.348	99	90-110	
Silver	100	92.946	93	90-110	
Sodium	10000	9704.176	97	90-110	
Thallium	100	103.302	103	90-110	
Vanadium	100	98.602	99	90-110	
Zinc	100	100.042	100	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471442
Instrument: ICPMS05
Method: SW6020A

ICV Date: 09-Jul-2024 10:47 Seq: 8127860 ICV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	98.859	99	90-110	
Antimony	100	100.674	101	90-110	
Arsenic	100	98.392	98	90-110	
Barium	100	99.062	99	90-110	
Beryllium	100	95.94	96	90-110	
Cadmium	100	100.605	101	90-110	
Calcium	10000	9924.969	99	90-110	
Chromium	100	99.422	99	90-110	
Cobalt	100	100.233	100	90-110	
Copper	100	100.514	101	90-110	
Iron	10000	9971.338	100	90-110	
Lead	100	98.475	99	90-110	
Magnesium	10000	10006.504	100	90-110	
Manganese	100	99.43	99	90-110	
Nickel	100	102.377	102	90-110	
Potassium	10000	9876.14	99	90-110	
Selenium	100	99.679	100	90-110	
Silver	100	100.716	101	90-110	
Sodium	10000	9945.182	100	90-110	
Thallium	100	98.379	98	90-110	
Vanadium	100	99.508	100	90-110	
Zinc	100	103.512	104	90-110	

CCV1 Date: 09-Jul-2024 11:15 Seq: 8127930 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	96.332	96	90-110	
Antimony	100	99.938	100	90-110	
Arsenic	100	98.628	99	90-110	
Barium	100	98.973	99	90-110	
Beryllium	100	95.806	96	90-110	
Cadmium	100	100.329	100	90-110	
Calcium	10000	9815.991	98	90-110	
Chromium	100	100.059	100	90-110	
Cobalt	100	100.024	100	90-110	
Copper	100	101.662	102	90-110	
Iron	10000	9997.949	100	90-110	
Lead	100	97.83	98	90-110	
Magnesium	10000	9850.923	99	90-110	
Manganese	100	99.865	100	90-110	
Nickel	100	100.168	100	90-110	
Potassium	10000	9723.989	97	90-110	
Selenium	100	102.779	103	90-110	
Silver	100	100.705	101	90-110	
Sodium	10000	9704.696	97	90-110	
Thallium	100	97.746	98	90-110	
Vanadium	100	99.808	100	90-110	
Zinc	100	100.15	100	90-110	

CCV2 Date: 09-Jul-2024 11:36 Seq: 8127959 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	97.93	98	90-110	
Antimony	100	100.281	100	90-110	
Arsenic	100	99.653	100	90-110	
Barium	100	100.614	101	90-110	
Beryllium	100	96.112	96	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471442
Instrument: ICPMS05
Method: SW6020A

CCV2 Date: 09-Jul-2024 11:36 Seq: 8127959 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Cadmium	100	99.455	100	90-110	
Calcium	10000	9923.97	99	90-110	
Chromium	100	100.061	100	90-110	
Cobalt	100	100.466	100	90-110	
Copper	100	101.069	101	90-110	
Iron	10000	9988.162	100	90-110	
Lead	100	99.029	99	90-110	
Magnesium	10000	9880.392	99	90-110	
Manganese	100	99.328	99	90-110	
Nickel	100	102.537	103	90-110	
Potassium	10000	9779.295	98	90-110	
Selenium	100	98.085	98	90-110	
Silver	100	101.349	101	90-110	
Sodium	10000	9935.234	99	90-110	
Thallium	100	98.044	98	90-110	
Vanadium	100	99.961	100	90-110	
Zinc	100	101.319	101	90-110	

CCV3 Date: 09-Jul-2024 11:59 Seq: 8127974 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	94.612	95	90-110	
Antimony	100	97.895	98	90-110	
Arsenic	100	99.235	99	90-110	
Barium	100	99.563	100	90-110	
Beryllium	100	95.154	95	90-110	
Cadmium	100	100.959	101	90-110	
Calcium	10000	9851.786	99	90-110	
Chromium	100	100.505	101	90-110	
Cobalt	100	100.912	101	90-110	
Copper	100	101.634	102	90-110	
Iron	10000	10047.422	100	90-110	
Lead	100	99.225	99	90-110	
Magnesium	10000	9787.748	98	90-110	
Manganese	100	100.164	100	90-110	
Nickel	100	101.196	101	90-110	
Potassium	10000	9712.601	97	90-110	
Selenium	100	99.143	99	90-110	
Silver	100	101.021	101	90-110	
Sodium	10000	9805.167	98	90-110	
Thallium	100	99.997	100	90-110	
Vanadium	100	98.986	99	90-110	
Zinc	100	99.295	99	90-110	

CCV4 Date: 09-Jul-2024 12:25 Seq: 8128027 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	96.807	97	90-110	
Antimony	100	97.657	98	90-110	
Arsenic	100	99	99	90-110	
Barium	100	99.01	99	90-110	
Beryllium	100	94.138	94	90-110	
Cadmium	100	99.803	100	90-110	
Calcium	10000	9819.932	98	90-110	
Chromium	100	100.27	100	90-110	
Cobalt	100	99.463	100	90-110	
Copper	100	100.254	100	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471442
Instrument: ICPMS05
Method: SW6020A

CCV4 Date: 09-Jul-2024 12:25 Seq: 8128027 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Iron	10000	9921.593	99	90-110	
Lead	100	99.193	99	90-110	
Magnesium	10000	9715.315	97	90-110	
Manganese	100	98.616	99	90-110	
Nickel	100	100.445	100	90-110	
Potassium	10000	9710.946	97	90-110	
Selenium	100	100.735	101	90-110	
Silver	100	100.653	101	90-110	
Sodium	10000	9687.133	97	90-110	
Thallium	100	99.034	99	90-110	
Vanadium	100	99.942	100	90-110	
Zinc	100	99.285	99	90-110	

CCV5 Date: 09-Jul-2024 12:50 Seq: 8128053 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	95.922	96	90-110	
Antimony	100	99.173	99	90-110	
Arsenic	100	99.422	99	90-110	
Barium	100	99.681	100	90-110	
Beryllium	100	94.547	95	90-110	
Cadmium	100	99.426	99	90-110	
Calcium	10000	9848.729	99	90-110	
Chromium	100	100.209	100	90-110	
Cobalt	100	100.819	101	90-110	
Copper	100	100.277	100	90-110	
Iron	10000	10066.118	101	90-110	
Lead	100	99.203	99	90-110	
Magnesium	10000	9786.131	98	90-110	
Manganese	100	100.544	101	90-110	
Nickel	100	101.01	101	90-110	
Potassium	10000	9695.256	97	90-110	
Selenium	100	99.841	100	90-110	
Silver	100	101.123	101	90-110	
Sodium	10000	9805.894	98	90-110	
Thallium	100	99.399	99	90-110	
Vanadium	100	99.521	100	90-110	
Zinc	100	100.26	100	90-110	

CCV6 Date: 09-Jul-2024 13:15 Seq: 8128073 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	98.816	99	90-110	
Antimony	100	99.198	99	90-110	
Arsenic	100	99.326	99	90-110	
Barium	100	100.279	100	90-110	
Beryllium	100	94.329	94	90-110	
Cadmium	100	99.633	100	90-110	
Calcium	10000	9776.015	98	90-110	
Chromium	100	99.877	100	90-110	
Cobalt	100	100.626	101	90-110	
Copper	100	101.181	101	90-110	
Iron	10000	10046.387	100	90-110	
Lead	100	100.104	100	90-110	
Magnesium	10000	9794.881	98	90-110	
Manganese	100	99.892	100	90-110	
Nickel	100	101.391	101	90-110	

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471442
Instrument: ICPMS05
Method: SW6020A

CCV6 Date: 09-Jul-2024 13:15 Seq: 8128073 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Potassium	10000	9721.531	97	90-110	
Selenium	100	99.981	100	90-110	
Silver	100	100.873	101	90-110	
Sodium	10000	9768.129	98	90-110	
Thallium	100	100.14	100	90-110	
Vanadium	100	98.387	98	90-110	
Zinc	100	103.296	103	90-110	

CCV7 Date: 09-Jul-2024 13:41 Seq: 8128259 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Aluminum	100	94.102	94	90-110	
Antimony	100	99.615	100	90-110	
Arsenic	100	98.817	99	90-110	
Barium	100	100.837	101	90-110	
Beryllium	100	94.452	95	90-110	
Cadmium	100	100.897	101	90-110	
Calcium	10000	9655.748	97	90-110	
Chromium	100	98.398	98	90-110	
Cobalt	100	99.499	100	90-110	
Copper	100	100.183	100	90-110	
Iron	10000	9990.377	100	90-110	
Lead	100	99.618	100	90-110	
Magnesium	10000	9574.59	96	90-110	
Manganese	100	99.124	99	90-110	
Nickel	100	100.878	101	90-110	
Potassium	10000	9555.696	96	90-110	
Selenium	100	97.674	98	90-110	
Silver	100	100.787	101	90-110	
Sodium	10000	9541.523	95	90-110	
Thallium	100	99.584	100	90-110	
Vanadium	100	97.735	98	90-110	
Zinc	100	99.518	100	90-110	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: HG04_471330
Instrument: HG04
Method: SW7470A

ICB	Date: 05-Jul-2024 11:13	Seq: 8125310	ICB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB1	Date: 05-Jul-2024 11:21	Seq: 8125313	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB2	Date: 05-Jul-2024 11:51	Seq: 8125325	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB3	Date: 05-Jul-2024 12:14	Seq: 8125337	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB4	Date: 05-Jul-2024 12:38	Seq: 8125349	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

MBLK-214537	Date: 05-Jul-2024 12:51	Seq: 8125388	MBLK	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB5	Date: 05-Jul-2024 13:00	Seq: 8125357	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB6	Date: 05-Jul-2024 13:24	Seq: 8125369	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB7	Date: 05-Jul-2024 13:48	Seq: 8125381	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

MBLK-214538	Date: 05-Jul-2024 13:53	Seq: 8125384	MBLK	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB8	Date: 05-Jul-2024 14:11	Seq: 8125397	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB9	Date: 05-Jul-2024 14:35	Seq: 8125409	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB10	Date: 05-Jul-2024 14:57	Seq: 8125421	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB11	Date: 05-Jul-2024 15:04	Seq: 8125425	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

CCB12	Date: 05-Jul-2024 15:20	Seq: 8125467	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Mercury	0.2	0.03	0.2	U

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

ICB	Date: 04-Jul-2024 10:27		Seq: 8123841	ICB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-1.892	1.8	10	J	
Antimony	5	0.4	5	U	
Arsenic	5	0.4	5	U	
Barium	5	1.9	5	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.545	0.4	5	J	
Cobalt	5	0.1	5	U	
Copper	5	1	5	U	
Iron	200	12	200	U	
Lead	5	0.6	5	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	5	0.6	5	U	
Potassium	200	18	200	U	
Selenium	5	1.1	5	U	
Silver	5	0.2	5	U	
Sodium	200	14	200	U	
Thallium	2	0.2	2	U	
Vanadium	5	0.6	5	U	
Zinc	5	2	5	U	

ICCB1	Date: 04-Jul-2024 14:02		Seq: 8123941	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	5	0.4	5	U	
Arsenic	5	0.4	5	U	
Barium	5	1.9	5	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.581	0.4	5	J	
Cobalt	5	0.1	5	U	
Copper	5	1	5	U	
Iron	200	12	200	U	
Lead	5	0.6	5	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	5	0.6	5	U	
Potassium	200	18	200	U	
Selenium	5	1.1	5	U	
Silver	5	0.2	5	U	
Sodium	200	14	200	U	
Thallium	2	0.2	2	U	
Vanadium	5	0.6	5	U	
Zinc	5	2	5	U	

ICCB2	Date: 04-Jul-2024 18:33		Seq: 8124126	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-1.987	1.8	10	J	
Antimony	5	0.4	5	U	
Arsenic	5	0.4	5	U	
Barium	5	1.9	5	U	
Beryllium	2	0.2	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

ICCB2	Date: 04-Jul-2024 18:33		Seq: 8124126	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.447	0.4	5	J	
Cobalt	5	0.1	5	U	
Copper	5	1	5	U	
Iron	200	12	200	U	
Lead	5	0.6	5	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	5	0.6	5	U	
Potassium	200	18	200	U	
Selenium	5	1.1	5	U	
Silver	5	0.2	5	U	
Sodium	-49.76	14	200	J	
Thallium	2	0.2	2	U	
Vanadium	5	0.6	5	U	
Zinc	5	2	5	U	

CCB3	Date: 04-Jul-2024 20:02		Seq: 8124130	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.536	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.425	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-28.94	14	200	J	
Thallium	0.399	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB4	Date: 04-Jul-2024 21:08		Seq: 8124136	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.456	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.445	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCB4	Date: 04-Jul-2024 21:08		Seq: 8124136	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-40.11	14	200	J	
Thallium	0.402	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB5	Date: 04-Jul-2024 21:29		Seq: 8124144	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.636	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.412	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	43.58	14	200	J	
Thallium	0.451	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB6	Date: 04-Jul-2024 21:55		Seq: 8124166	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.707	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.412	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCB6	Date: 04-Jul-2024 21:55		Seq: 8124166	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-68.26	14	200	J	
Thallium	0.469	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB7	Date: 04-Jul-2024 22:23		Seq: 8124154	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.525	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.469	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-40.99	14	200	J	
Thallium	0.436	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

MBLK-214353	Date: 04-Jul-2024 22:37		Seq: 8124173	MBLK	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.412	0.4	5	J	
Arsenic	5	0.4	5	U	
Barium	5	1.9	5	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	5	0.4	5	U	
Cobalt	5	0.1	5	U	
Copper	5	1	5	U	
Iron	200	12	200	U	
Lead	5	0.6	5	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	5	0.6	5	U	
Potassium	200	18	200	U	
Selenium	5	1.1	5	U	
Silver	5	0.2	5	U	
Sodium	200	14	200	U	
Thallium	2	0.2	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

MBLK-214353	Date: 04-Jul-2024 22:37		Seq: 8124173	MBLK	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Vanadium	5	0.6	5	U	
Zinc	5	2	5	U	

CCB8	Date: 04-Jul-2024 22:45		Seq: 8124176	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-1.955	1.8	10	J	
Antimony	0.691	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-80.84	14	200	J	
Thallium	0.48	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB9	Date: 04-Jul-2024 23:02		Seq: 8124183	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.804	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-89.11	14	200	J	
Thallium	0.503	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCB10	Date: 04-Jul-2024 23:21		Seq: 8124191	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.884	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-108.6	14	200	J	
Thallium	0.48	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB11	Date: 04-Jul-2024 23:38		Seq: 8124198	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.821	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-107.3	14	200	J	
Thallium	0.491	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB12	Date: 05-Jul-2024 00:01		Seq: 8124243	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-1.852	1.8	10	J	
Antimony	0.468	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCB12	Date: 05-Jul-2024 00:01		Seq: 8124243	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-112.3	14	200	J	
Thallium	0.473	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB13	Date: 05-Jul-2024 00:23		Seq: 8124252	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.432	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-102.8	14	200	J	
Thallium	0.482	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB14	Date: 05-Jul-2024 00:41		Seq: 8124266	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-1.815	1.8	10	J	
Antimony	0.471	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471259
Instrument: ICPMS05
Method: SW6020A

CCB14	Date: 05-Jul-2024 00:41		Seq: 8124266	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-84.25	14	200	J	
Thallium	0.392	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB15	Date: 05-Jul-2024 01:05		Seq: 8124255	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-1.946	1.8	10	J	
Antimony	2	0.4	2	U	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	-49.96	14	200	J	
Thallium	0.389	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471291
Instrument: ICPMS05
Method: SW6020A

ICB	Date: 05-Jul-2024 10:36		Seq: 8124657	ICB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	5	0.4	5	U	
Arsenic	5	0.4	5	U	
Barium	5	1.9	5	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.534	0.4	5	J	
Cobalt	5	0.1	5	U	
Copper	5	1	5	U	
Iron	200	12	200	U	
Lead	5	0.6	5	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	5	0.6	5	U	
Potassium	200	18	200	U	
Selenium	5	1.1	5	U	
Silver	5	0.2	5	U	
Sodium	200	14	200	U	
Thallium	2	0.2	2	U	
Vanadium	5	0.6	5	U	
Zinc	5	2	5	U	

CCB1	Date: 05-Jul-2024 11:05		Seq: 8124833	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	2	0.4	2	U	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	200	14	200	U	
Thallium	0.378	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB2	Date: 05-Jul-2024 11:30		Seq: 8124844	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	2	0.4	2	U	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471291
Instrument: ICPMS05
Method: SW6020A

CCB2	Date: 05-Jul-2024 11:30		Seq: 8124844	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	200	14	200	U	
Thallium	0.361	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB3	Date: 05-Jul-2024 12:24		Seq: 8124958	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	2	0.4	2	U	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	14.87	14	200	J	
Thallium	0.402	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB4	Date: 05-Jul-2024 12:49		Seq: 8124970	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	2	0.4	2	U	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471291
Instrument: ICPMS05
Method: SW6020A

CCB4	Date: 05-Jul-2024 12:49		Seq: 8124970	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	14.46	14	200	J	
Thallium	0.417	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB5	Date: 05-Jul-2024 13:15		Seq: 8125003	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.662	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.452	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	200	14	200	U	
Thallium	0.369	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB6	Date: 05-Jul-2024 13:40		Seq: 8125077	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	0.628	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	4	0.4	4	U	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471291
Instrument: ICPMS05
Method: SW6020A

CCB6 | Date: 05-Jul-2024 13:40 | Seq: 8125077 | CCB | Units: ug/L

Analyte	Result	MDL	Report Limit	Qual
Potassium	200	18	200	U
Selenium	2	1.1	2	U
Silver	2	0.2	2	U
Sodium	15.72	14	200	J
Thallium	0.413	0.2	2	J
Vanadium	5	0.6	5	U
Zinc	4	2	4	U

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471442
Instrument: ICPMS05
Method: SW6020A

ICB	Date: 09-Jul-2024 10:58		Seq: 8127865	ICB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	5	0.4	5	U	
Arsenic	5	0.4	5	U	
Barium	5	1.9	5	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	5	0.4	5	U	
Cobalt	5	0.1	5	U	
Copper	5	1	5	U	
Iron	200	12	200	U	
Lead	5	0.6	5	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	5	0.6	5	U	
Potassium	200	18	200	U	
Selenium	5	1.1	5	U	
Silver	5	0.2	5	U	
Sodium	200	14	200	U	
Thallium	2	0.2	2	U	
Vanadium	5	0.6	5	U	
Zinc	5	2	5	U	

CCB1	Date: 09-Jul-2024 11:13		Seq: 8127929	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-3.54	1.8	10	J	
Antimony	2	0.4	2	U	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.713	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	200	14	200	U	
Thallium	2	0.2	2	U	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

MBLK-214521	Date: 09-Jul-2024 11:21		Seq: 8127931	MBLK	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	10	1.8	10	U	
Antimony	5	0.4	5	U	
Arsenic	5	0.4	5	U	
Barium	5	1.9	5	U	
Beryllium	2	0.2	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471442
Instrument: ICPMS05
Method: SW6020A

MBLK-214521 Date: 09-Jul-2024 11:21 Seq: 8127931 MBLK Units: ug/L

Analyte	Result	MDL	Report Limit	Qual
Cadmium	2	0.2	2	U
Calcium	500	34	500	U
Chromium	5	0.4	5	U
Cobalt	5	0.1	5	U
Copper	5	1	5	U
Iron	200	12	200	U
Lead	5	0.6	5	U
Magnesium	200	10	200	U
Manganese	5	0.7	5	U
Nickel	5	0.6	5	U
Potassium	200	18	200	U
Selenium	5	1.1	5	U
Silver	5	0.2	5	U
Sodium	200	14	200	U
Thallium	2	0.2	2	U
Vanadium	5	0.6	5	U
Zinc	5	2	5	U

CCB2 Date: 09-Jul-2024 11:34 Seq: 8127958 CCB Units: ug/L

Analyte	Result	MDL	Report Limit	Qual
Aluminum	-4.468	1.8	10	J
Antimony	2	0.4	2	U
Arsenic	2	0.4	2	U
Barium	4	1.9	4	U
Beryllium	2	0.2	2	U
Cadmium	2	0.2	2	U
Calcium	500	34	500	U
Chromium	-0.697	0.4	4	J
Cobalt	5	0.2	5	U
Copper	2	1	2	U
Iron	200	12	200	U
Lead	2	0.6	2	U
Magnesium	200	10	200	U
Manganese	5	0.7	5	U
Nickel	2	0.6	2	U
Potassium	200	18	200	U
Selenium	2	1.1	2	U
Silver	2	0.2	2	U
Sodium	200	14	200	U
Thallium	2	0.2	2	U
Vanadium	5	0.6	5	U
Zinc	4	2	4	U

CCB3 Date: 09-Jul-2024 12:01 Seq: 8127975 CCB Units: ug/L

Analyte	Result	MDL	Report Limit	Qual
Aluminum	-5.006	1.8	10	J
Antimony	0.826	0.4	2	J
Arsenic	2	0.4	2	U
Barium	4	1.9	4	U
Beryllium	2	0.2	2	U
Cadmium	2	0.2	2	U
Calcium	500	34	500	U
Chromium	-0.688	0.4	4	J
Cobalt	5	0.2	5	U
Copper	2	1	2	U

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471442
Instrument: ICPMS05
Method: SW6020A

CCB3	Date: 09-Jul-2024 12:01		Seq: 8127975	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	200	14	200	U	
Thallium	0.628	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB4	Date: 09-Jul-2024 12:27		Seq: 8128028	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-4.382	1.8	10	J	
Antimony	0.783	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.682	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	200	14	200	U	
Thallium	0.623	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB5	Date: 09-Jul-2024 12:52		Seq: 8128054	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-4.661	1.8	10	J	
Antimony	0.793	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.617	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471442
Instrument: ICPMS05
Method: SW6020A

CCB5	Date: 09-Jul-2024 12:52		Seq: 8128054	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	14.9	14	200	J	
Thallium	0.634	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB6	Date: 09-Jul-2024 13:17		Seq: 8128074	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-4.746	1.8	10	J	
Antimony	0.843	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.688	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	200	14	200	U	
Thallium	0.67	0.2	2	J	
Vanadium	5	0.6	5	U	
Zinc	4	2	4	U	

CCB7	Date: 09-Jul-2024 13:43		Seq: 8128260	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Aluminum	-3.316	1.8	10	J	
Antimony	0.973	0.4	2	J	
Arsenic	2	0.4	2	U	
Barium	4	1.9	4	U	
Beryllium	2	0.2	2	U	
Cadmium	2	0.2	2	U	
Calcium	500	34	500	U	
Chromium	-0.636	0.4	4	J	
Cobalt	5	0.2	5	U	
Copper	2	1	2	U	
Iron	200	12	200	U	
Lead	2	0.6	2	U	
Magnesium	200	10	200	U	
Manganese	5	0.7	5	U	
Nickel	2	0.6	2	U	
Potassium	200	18	200	U	
Selenium	2	1.1	2	U	
Silver	2	0.2	2	U	
Sodium	200	14	200	U	
Thallium	0.628	0.2	2	J	

ALS Houston, US

Date: 13-Sep-24

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID: ICPMS05_471442
Instrument: ICPMS05
Method: SW6020A

CCB7 | Date: 09-Jul-2024 13:43 | Seq: 8128260 | CCB | Units: ug/L

Analyte	Result	MDL	Report Limit	Qual
Vanadium	5	0.6	5	U
Zinc	4	2	4	U

Form 4 - ICP Interference Check Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Run ID:ICPMS05_471259
Instrument:ICPMS05
Method:SW6020A

ICSA	Date: 04-Jul-2024 10:31	Seq: 8123842	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100000	104800	105	
Antimony		0.185	0	
Arsenic		0.444	0	
Barium		0.664	0	
Beryllium		0.038	0	
Cadmium		0.73	0	
Calcium	100000	103700	104	
Chromium		0.877	0	
Cobalt		1.047	0	
Copper		0.879	0	
Iron	100000	103800	104	
Lead		0.965	0	
Magnesium	100000	105300	105	
Manganese		1.538	0	
Nickel		1.173	0	
Potassium	100000	107300	107	
Selenium		-0.009	0	
Silver		0.045	0	
Sodium	100000	106300	106	
Thallium		0.018	0	
Vanadium		0.202	0	
Zinc		3.434	0	

ICSAB	Date: 04-Jul-2024 10:33	Seq: 8123843	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100500	102600	102	
Antimony	100	99.66	99.7	
Arsenic	100	101.4	101	
Barium	100	103.8	104	
Beryllium	100	93.87	93.9	
Cadmium	100	100.3	100	
Calcium	110000	112100	102	
Chromium	100	96.98	97.0	
Cobalt	100	96.18	96.2	
Copper	100	92.72	92.7	
Iron	110000	112300	102	
Lead	100	101.7	102	
Magnesium	110000	112200	102	
Manganese	100	99.6	99.6	
Nickel	100	94.83	94.8	
Potassium	110000	113800	103	
Selenium	100	99.29	99.3	
Silver	100	108.9	109	
Sodium	110000	113700	103	
Thallium	100	99.7	99.7	
Vanadium	100	98.58	98.6	
Zinc	100	99.44	99.4	

ICSA	Date: 04-Jul-2024 23:04	Seq: 8124184	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100000	107500	108	
Antimony		0.477	0	
Arsenic		0.449	0	
Barium		0.749	0	

Form 4 - ICP Interference Check Sample

Client: Bhate Environmental Associates, Inc. Run ID:ICPMS05_471259
Project: LHAAP / ICT Wells Instrument:ICPMS05
WorkOrder: HS24061330 Method:SW6020A

ICSA	Date: 04-Jul-2024 23:04	Seq: 8124184	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Beryllium		0.039	0	
Cadmium		0.737	0	
Calcium	100000	107200	107	
Chromium		0.853	0	
Cobalt		1.095	0	
Copper		0.8	0	
Iron	100000	106900	107	
Lead		0.912	0	
Magnesium	100000	105100	105	
Manganese		1.511	0	
Nickel		1.247	0	
Potassium	100000	109700	110	
Selenium		0.279	0	
Silver		0.043	0	
Sodium	100000	107500	107	
Thallium		0.052	0	
Vanadium		0.354	0	
Zinc		3.367	0	

ICSAB	Date: 04-Jul-2024 23:06	Seq: 8124185	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100500	103700	103	
Antimony	100	97.36	97.4	
Arsenic	100	99.73	99.7	
Barium	100	101	101	
Beryllium	100	93.02	93.0	
Cadmium	100	97.94	97.9	
Calcium	110000	120500	110	
Chromium	100	96.3	96.3	
Cobalt	100	95.24	95.2	
Copper	100	92.3	92.3	
Iron	110000	112000	102	
Lead	100	98.96	99.0	
Magnesium	110000	109600	99.6	
Manganese	100	98.18	98.2	
Nickel	100	93.06	93.1	
Potassium	110000	114600	104	
Selenium	100	101.8	102	
Silver	100	108.6	109	
Sodium	110000	112200	102	
Thallium	100	100.2	100	
Vanadium	100	98.28	98.3	
Zinc	100	97.03	97.0	

ICSA	Date: 05-Jul-2024 01:13	Seq: 8124258	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100000	105400	105	
Antimony		0.107	0	
Arsenic		0.38	0	
Barium		0.751	0	
Beryllium		0.033	0	
Cadmium		0.877	0	
Calcium	100000	101400	101	
Chromium		0.665	0	

Form 4 - ICP Interference Check Sample

Client: Bhate Environmental Associates, Inc. Run ID:ICPMS05_471259
Project: LHAAP / ICT Wells Instrument:ICPMS05
WorkOrder: HS24061330 Method:SW6020A

ICSA	Date: 05-Jul-2024 01:13	Seq: 8124258	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Cobalt		1.034	0	
Copper		0.815	0	
Iron	100000	105100	105	
Lead		0.846	0	
Magnesium	100000	103100	103	
Manganese		1.497	0	
Nickel		1.199	0	
Potassium	100000	106300	106	
Selenium		0.11	0	
Silver		0.023	0	
Sodium	100000	105100	105	
Thallium		0.035	0	
Vanadium		0.184	0	
Zinc		3.203	0	

ICSAB	Date: 05-Jul-2024 01:16	Seq: 8124259	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100500	103600	103	
Antimony	100	97.65	97.6	
Arsenic	100	100.5	101	
Barium	100	99.87	99.9	
Beryllium	100	94.01	94.0	
Cadmium	100	97.6	97.6	
Calcium	110000	122600	111	
Chromium	100	96.7	96.7	
Cobalt	100	95.28	95.3	
Copper	100	93.18	93.2	
Iron	110000	113300	103	
Lead	100	96.24	96.2	
Magnesium	110000	110900	101	
Manganese	100	98.76	98.8	
Nickel	100	94.12	94.1	
Potassium	110000	115400	105	
Selenium	100	98.72	98.7	
Silver	100	108	108	
Sodium	110000	112800	103	
Thallium	100	96.38	96.4	
Vanadium	100	98.2	98.2	
Zinc	100	98.08	98.1	

Form 4 - ICP Interference Check Sample

Client: Bhate Environmental Associates, Inc. Run ID:ICPMS05_471291
Project: LHAAP / ICT Wells Instrument:ICPMS05
WorkOrder: HS24061330 Method:SW6020A

ICSA	Date: 05-Jul-2024 10:38	Seq: 8124658	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100000	96150	96.2	
Antimony		0.064	0	
Arsenic		0.401	0	
Barium		0.484	0	
Beryllium		0.015	0	
Cadmium		0.894	0	
Calcium	100000	94620	94.6	
Chromium		0.752	0	
Cobalt		1.028	0	
Copper		0.969	0	
Iron	100000	96010	96.0	
Lead		0.932	0	
Magnesium	100000	96880	96.9	
Manganese		1.531	0	
Nickel		1.163	0	
Potassium	100000	97590	97.6	
Selenium		-0.064	0	
Silver		0.053	0	
Sodium	100000	97030	97.0	
Thallium		0.013	0	
Vanadium		0.225	0	
Zinc		3.317	0	

ICSAB	Date: 05-Jul-2024 10:40	Seq: 8124659	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100500	99080	98.6	
Antimony	100	98.3	98.3	
Arsenic	100	100.1	100	
Barium	100	101.3	101	
Beryllium	100	90.41	90.4	
Cadmium	100	100.9	101	
Calcium	110000	108100	98.3	
Chromium	100	95.77	95.8	
Cobalt	100	94.72	94.7	
Copper	100	93.08	93.1	
Iron	110000	108600	98.7	
Lead	100	101.6	102	
Magnesium	110000	109100	99.2	
Manganese	100	96.66	96.7	
Nickel	100	93.3	93.3	
Potassium	110000	110700	101	
Selenium	100	100.2	100	
Silver	100	97.3	97.3	
Sodium	110000	110300	100	
Thallium	100	100.5	101	
Vanadium	100	96.5	96.5	
Zinc	100	98.75	98.8	

ALS Houston, US Date: 13-Sep-24

Form 4 - ICP Interference Check Sample

Client: Bhate Environmental Associates, Inc. Run ID:ICPMS05_471442
Project: LHAAP / ICT Wells Instrument:ICPMS05
WorkOrder: HS24061330 Method:SW6020A

ICSA	Date: 09-Jul-2024 11:00	Seq: 8127866	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100000	94930	94.9	
Antimony		0.15	0	
Arsenic		0.4	0	
Barium		0.387	0	
Beryllium		0.017	0	
Cadmium		0.893	0	
Calcium	100000	95330	95.3	
Chromium		0.868	0	
Cobalt		1.14	0	
Copper		0.749	0	
Iron	100000	96490	96.5	
Lead		1.123	0	
Magnesium	100000	96210	96.2	
Manganese		1.8	0	
Nickel		1.189	0	
Potassium	100000	97580	97.6	
Selenium		0.149	0	
Silver		0.038	0	
Sodium	100000	97780	97.8	
Thallium		0.018	0	
Vanadium		0.198	0	
Zinc		3.066	0	

ICSAB	Date: 09-Jul-2024 11:02	Seq: 8127867	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Aluminum	100500	94860	94.4	
Antimony	100	95.63	95.6	
Arsenic	100	97.35	97.3	
Barium	100	101.7	102	
Beryllium	100	88.94	88.9	
Cadmium	100	101.3	101	
Calcium	110000	107100	97.4	
Chromium	100	94.51	94.5	
Cobalt	100	93.06	93.1	
Copper	100	90.81	90.8	
Iron	110000	106800	97.1	
Lead	100	101.2	101	
Magnesium	110000	107100	97.4	
Manganese	100	94.51	94.5	
Nickel	100	90.99	91.0	
Potassium	110000	107700	97.9	
Selenium	100	96.99	97.0	
Silver	100	109.4	109	
Sodium	110000	107800	98.0	
Thallium	100	99.68	99.7	
Vanadium	100	96.1	96.1	
Zinc	100	96.43	96.4	

ALS Houston, US Date: 13-Sep-24

Form 5A - Matrix Spike/Matrix Spike Duplicate Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 05-Jul-2024 13:09
Date Extracted: 05-Jul-2024 08:00
Units: ug/L

Matrix Spike: HS24061330-04MS
Client Sample ID: ICT8_062024
Analysis Method: SW7470A

Analyte	Sample Result	MS Result	Spike Amount	% Rec	MSD Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Mercury	0.2000	4.890	5.000	98.0	4.780	5.000	95.8	82-119	2.28	20

Matrix Spike: HS24061330-21MS
Client Sample ID: ICT14C_062024
Analysis Method: SW7470A

Analyte	Sample Result	MS Result	Spike Amount	% Rec	MSD Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Mercury	0.2000	4.670	5.000	93.2	4.670	5.000	93.2	82-119	0	20

Form 5A - Matrix Spike/Matrix Spike Duplicate Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 05-Jul-2024 12:37
Date Extracted: 02-Jul-2024 08:00
Units: ug/L

Matrix Spike: HS24061247-01MS — Analysis Method: SW6020A
Client Sample ID:

Analyte	Sample Result	MS Result	Spike Amount	% Rec	MSD Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aluminum	163.5	224.5	100.0	60.9	213.5	100.0	50.0	84-117	5.01	20
Antimony	5.000	46.50	50.00	92.4	45.32	50.00	90.1	85-117	2.56	20
Arsenic	0.4330	45.52	50.00	90.2	43.71	50.00	86.6	84-116	4.05	20
Barium	17.09	62.67	50.00	91.2	60.24	50.00	86.3	86-114	3.95	20
Beryllium	2.000	41.35	50.00	82.7	39.46	50.00	78.9	83-121	4.70	20
Cadmium	0.4560	46.30	50.00	91.7	44.03	50.00	87.2	87-115	5.02	20
Chromium	0.4460	44.54	50.00	88.2	43.30	50.00	85.7	85-116	2.81	20
Cobalt	0.1360	45.70	50.00	91.1	43.63	50.00	87.0	86-115	4.64	20
Copper	5.000	46.06	50.00	90.9	43.88	50.00	86.6	85-118	4.84	20
Magnesium	406.7	4786	5000	87.6	4579	5000	83.4	83-118	4.43	20
Manganese	56.71	98.78	50.00	84.2	95.24	50.00	77.1	87-115	3.65	20
Nickel	5.000	45.18	50.00	89.9	44.26	50.00	88.1	85-117	2.07	20
Selenium	5.000	45.86	50.00	91.2	43.98	50.00	87.4	80-120	4.19	20
Silver	5.000	45.20	50.00	90.4	43.83	50.00	87.6	85-116	3.08	20
Sodium	18900	22310	5000	68.3	21730	5000	56.6	85-117	2.66	20
Thallium	2.000	46.05	50.00	92.0	44.16	50.00	88.2	82-116	4.19	20
Cadmium	0.4560	46.30	50.00	91.7	46.21	50.00	91.5	87-115	0.201	20
Iron	1714	6157	5000	88.9	6328	5000	92.3	87-118	2.74	20
Lead	0.6340	46.48	50.00	91.7	46.53	50.00	91.8	88-115	0.101	20
Potassium	3699	8269	5000	91.4	8348	5000	93.0	87-115	0.956	20
Vanadium	5.000	44.74	50.00	88.7	44.94	50.00	89.9	86-115	0.439	20
Zinc	3.548	47.74	50.00	88.4	47.86	50.00	88.6	83-119	0.259	20

Matrix Spike: HS24061313-01MS — Analysis Method: SW6020A
Client Sample ID:

Analyte	Sample Result	MS Result	Spike Amount	% Rec	MSD Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aluminum	29.68	114.4	100.0	84.7	120.7	100.0	91.0	84-117	5.39	20
Antimony	0.6000	46.10	50.00	91.0	47.46	50.00	93.7	85-117	2.91	20
Arsenic	5.000	44.38	50.00	88.0	45.87	50.00	91.0	84-116	3.29	20
Barium	110.2	152.6	50.00	84.7	156.7	50.00	92.9	86-114	2.65	20
Beryllium	2.000	40.34	50.00	80.6	41.20	50.00	82.3	83-121	2.09	20
Cadmium	2.000	44.29	50.00	88.3	45.15	50.00	90.0	87-115	1.92	20
Calcium	6318	10560	5000	84.7	10840	5000	90.4	87-118	2.63	20
Chromium	113.3	50.47	50.00	-126	51.85	50.00	-123	85-116	2.71	20
Cobalt	0.3950	44.08	50.00	87.4	45.38	50.00	90.0	86-115	2.89	20
Copper	1.011	44.75	50.00	87.5	46.01	50.00	90.0	85-118	2.77	20
Iron	7503	11190	5000	73.8	11520	5000	80.4	87-118	2.91	20
Lead	5.000	44.74	50.00	89.0	46.10	50.00	91.7	88-115	3.00	20
Magnesium	3262	7630	5000	87.3	7913	5000	93.0	83-118	3.65	20
Manganese	98.49	135.9	50.00	74.9	142.2	50.00	87.4	87-115	4.49	20
Nickel	21.43	54.89	50.00	66.9	57.27	50.00	71.7	85-117	4.23	20
Potassium	2138	6536	5000	88.0	6670	5000	90.6	87-115	2.03	20
Selenium	5.000	43.74	50.00	87.0	45.94	50.00	91.4	80-120	4.91	20
Silver	5.000	43.77	50.00	87.5	44.14	50.00	88.2	85-116	0.833	20
Sodium	24730	27850	5000	62.4	28700	5000	79.4	85-117	3.01	20
Thallium	2.000	43.81	50.00	87.2	45.66	50.00	90.9	82-116	4.14	20
Vanadium	5.000	43.08	50.00	88.8	44.92	50.00	92.5	86-115	4.18	20
Zinc	3.463	46.45	50.00	86.0	48.58	50.00	90.2	83-119	4.48	20

ALS Houston, US

Date: 13-Sep-24

Form 5A - Matrix Spike/Matrix Spike Duplicate Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 09-Jul-2024 11:45
Date Extracted: 05-Jul-2024 08:00
Units: ug/L

Matrix Spike: HS24061330-04MS
Client Sample ID: ICT8_062024

Analysis Method: SW6020A

Analyte	Sample Result	MS Result	Spike Amount	% Rec	MSD Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aluminum	68.72	155.2	100.0	86.5	158.7	100.0	90.0	84-117	2.21	20
Antimony	0.9830	45.18	50.00	88.4	47.82	50.00	93.7	85-117	5.69	20
Arsenic	1.660	46.08	50.00	88.8	49.61	50.00	95.9	84-116	7.39	20
Barium	402.2	442.2	50.00	80.0	480.4	50.00	156	86-114	8.29	20
Beryllium	2.000	42.08	50.00	84.2	44.63	50.00	89.3	83-121	5.88	20
Cadmium	0.2310	45.89	50.00	91.3	49.10	50.00	97.7	87-115	6.76	20
Calcium	12100	16580	5000	89.7	17890	5000	116	87-118	7.57	20
Chromium	6.070	50.95	50.00	89.8	54.64	50.00	97.1	85-116	6.99	20
Cobalt	2.507	47.47	50.00	89.9	50.85	50.00	96.7	86-115	6.87	20
Copper	58.38	101.1	50.00	85.4	110.2	50.00	104	85-118	8.68	20
Iron	3550	8107	5000	91.1	8685	5000	103	87-118	6.89	20
Lead	5.000	45.67	50.00	91.3	48.97	50.00	97.9	88-115	6.99	20
Magnesium	9599	13970	5000	87.4	15010	5000	108	83-118	7.19	20
Manganese	385.6	423.8	50.00	76.5	456.7	50.00	142	87-115	7.45	20
Nickel	16.83	60.89	50.00	88.1	66.00	50.00	98.3	85-117	8.05	20
Potassium	1098	5580	5000	89.6	5941	5000	96.9	87-115	6.26	20
Selenium	5.000	42.78	50.00	85.6	48.16	50.00	96.3	80-120	11.8	20
Silver	5.000	50.77	50.00	102	54.33	50.00	109	85-116	6.77	20
Sodium	57740	60950	5000	64.1	66610	5000	177	85-117	8.87	20
Thallium	0.5430	44.74	50.00	88.4	48.69	50.00	96.3	82-116	8.46	20
Vanadium	0.8090	45.81	50.00	90.0	48.99	50.00	96.4	86-115	6.71	20
Zinc	188.3	228.4	50.00	80.4	248.2	50.00	120	83-119	8.31	20

ALS Houston, US Date: 13-Sep-24

Form 5B - Post Digest Sample Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 04-Jul-2024 22:57
Date Extracted: 02-Jul-2024 08:00
Units: ug/L

Lab Sample ID: HS24061247-01PDS Analysis Method: SW6020A
Client Sample ID:

Analyte	Sample Result	PDS Result	Spike Amount	% Rec	% Rec Limits
Aluminum	140.1	231.9	100	92	80-120
Antimony	0	96.36	100	96	80-120
Arsenic	0	98.26	100	98	80-120
Barium	17.98	117.5	100	100	80-120
Beryllium	0	89.56	100	90	80-120
Cadmium	0.572	98.86	100	98	80-120
Calcium	1462	11360	10000	99	80-120
Chromium	0.719	101.6	100	101	80-120
Cobalt	0.15	100.4	100	100	80-120
Copper	0	102.2	100	102	80-120
Iron	1821	12140	10000	103	80-120
Lead	0	99.56	100	99	80-120
Magnesium	416.8	10560	10000	101	80-120
Manganese	60.98	159	100	98	80-120
Nickel	0	100.8	100	101	80-120
Potassium	3683	14400	10000	107	80-120
Selenium	0	99.62	100	99	80-120
Silver	0	113.2	100	113	80-120
Sodium	19840	29360	10000	95	80-120
Thallium	0	100.9	100	101	80-120
Vanadium	0	100.7	100	100	80-120
Zinc	3.412	99.59	100	96	80-120

Lab Sample ID: HS24061313-01PDS Analysis Method: SW6020A
Client Sample ID:

Analyte	Sample Result	PDS Result	Spike Amount	% Rec	% Rec Limits
Aluminum	25.65	112.2	100	87	80-120
Antimony	0.501	92.19	100	92	80-120
Arsenic	0	94.45	100	94	80-120
Barium	109.2	203.4	100	94	80-120
Beryllium	0	89.33	100	89	80-120
Cadmium	0	95.1	100	95	80-120
Calcium	6463	15510	10000	91	80-120
Chromium	7.358	103.1	100	96	80-120
Cobalt	0.196	95.2	100	95	80-120
Copper	0	96.47	100	96	80-120
Iron	7083	16710	10000	96	80-120
Lead	0	96.33	100	96	80-120
Magnesium	3221	13020	10000	98	80-120
Manganese	94.13	184	100	90	80-120
Nickel	12.27	107.2	100	95	80-120
Potassium	2127	12210	10000	101	80-120
Selenium	0	92.29	100	92	80-120
Silver	0	108.8	100	109	80-120
Sodium	25870	34030	10000	82	80-120
Thallium	0	96.83	100	97	80-120
Vanadium	0	95.49	100	95	80-120
Zinc	4.486	96.07	100	92	80-120

ALS Houston, US Date: 13-Sep-24

Form 5B - Post Digest Sample Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 09-Jul-2024 11:47
Date Extracted: 05-Jul-2024 08:00
Units: ug/L

Lab Sample ID: HS24061330-04PDS
Client Sample ID: ICT8_062024
Analysis Method: SW6020A

Analyte	Sample Result	PDS Result	Spike Amount	% Rec	% Rec Limits
Aluminum	68.72	182.8	100	114	80-120
Antimony	0.983	96.09	100	95	80-120
Arsenic	1.66	99.15	100	98	80-120
Barium	402.2	517.6	100	115	80-120
Beryllium	0	91.54	100	92	80-120
Cadmium	0.231	100.4	100	100	80-120
Calcium	12100	22000	10000	99	80-120
Chromium	6.07	103.7	100	98	80-120
Cobalt	2.507	100.4	100	98	80-120
Copper	58.38	155.4	100	97	80-120
Iron	3550	13350	10000	98	80-120
Lead	0	100.5	100	100	80-120
Magnesium	9599	19680	10000	101	80-120
Manganese	385.6	485	100	99	80-120
Nickel	16.83	114.9	100	98	80-120
Potassium	1098	10860	10000	98	80-120
Selenium	0	98.69	100	99	80-120
Silver	0	111.8	100	112	80-120
Sodium	57740	67890	10000	101	80-120
Thallium	0.543	101	100	100	80-120
Vanadium	0.809	98.72	100	98	80-120
Zinc	188.3	286.4	100	98	80-120

ALS Houston, US

Date: 13-Sep-24

Form 7 - Laboratory Control Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 05-Jul-2024 12:53
Date Extracted: 05-Jul-2024 08:00
Units: ug/L

Lab Sample ID: LCS-214537 — Analysis Method: SW7470A

Analyte	Spike Amount	LCS Result	% Rec	% Rec Limits
Mercury	5	4.88	98	82-119

Lab Sample ID: LCS-214538 — Analysis Method: SW7470A

Analyte	Spike Amount	LCS Result	% Rec	% Rec Limits
Mercury	5	5.5	110	82-119

ALS Houston, US Date: 13-Sep-24

Form 7 - Laboratory Control Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 05-Jul-2024 12:28
Date Extracted: 02-Jul-2024 08:00
Units: ug/L

Lab Sample ID: LCS-214353 Analysis Method: SW6020A

Analyte	Spike Amount	LCS Result	% Rec	% Rec Limits
Aluminum	100	99.35	99	84-117
Antimony	50	47.67	95	85-117
Arsenic	50	46.51	93	84-116
Barium	50	47.16	94	86-114
Cadmium	50	46.64	93	87-115
Calcium	5000	4795	96	87-118
Chromium	50	46.3	93	85-116
Cobalt	50	46.99	94	86-115
Copper	50	47.63	95	85-118
Iron	5000	4794	96	87-118
Lead	50	45.08	90	88-115
Magnesium	5000	4541	91	83-118
Manganese	50	46.73	94	87-115
Nickel	50	46.33	93	85-117
Potassium	5000	4470	89	87-115
Selenium	50	45.86	92	80-120
Silver	50	47.06	94	85-116
Sodium	5000	4605	92	85-117
Thallium	50	44.77	90	82-116
Vanadium	50	45.62	91	86-115
Zinc	50	46.46	93	83-119
Beryllium	50	45.62	91	83-121

ALS Houston, US Date: 13-Sep-24

Form 7 - Laboratory Control Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 09-Jul-2024 11:24
Date Extracted: 05-Jul-2024 08:00
Units: ug/L

Lab Sample ID: LCS-214521 Analysis Method: SW6020A

Analyte	Spike Amount	LCS Result	% Rec	% Rec Limits
Aluminum	50	51.24	102	84-117
Antimony	50	48.56	97	85-117
Arsenic	50	48.45	97	84-116
Barium	50	49.43	99	86-114
Beryllium	50	44.2	88	83-121
Cadmium	50	48.63	97	87-115
Calcium	5000	4869	97	87-118
Chromium	50	49.73	100	85-116
Cobalt	50	49.83	100	86-115
Copper	50	51.55	103	85-118
Iron	5000	5060	101	87-118
Lead	50	49.07	98	88-115
Magnesium	5000	4995	100	83-118
Manganese	50	49.18	98	87-115
Nickel	50	50.21	100	85-117
Potassium	5000	4861	97	87-115
Selenium	50	49.82	100	80-120
Silver	50	55.27	111	85-116
Sodium	5000	4949	99	85-117
Thallium	50	48.39	97	82-116
Vanadium	50	47.83	96	86-115
Zinc	50	48.17	96	83-119

Form 8 - ICP Serial Dilutions

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 04-Jul-2024 22:49
Date Extracted: 02-Jul-2024 08:00
Units: ug/L

Lab Sample ID: HS24061247-01SD
Client Sample ID:
Analysis Method: SW6020A

Analyte	Sample Result	C	SD Result	C	RPD	Q
Aluminum	140.1		138.2		1	
Antimony	0	U	0	U	0	
Arsenic	0	U	0	U	0	
Barium	17.98		18.06	J	0	
Beryllium	0	U	0	U	0	
Cadmium	0.572	J	0	U	0	
Calcium	1462		1384	J	5	
Chromium	0.719	J	0	U	0	
Cobalt	0.15	J	0	U	0	
Copper	0	U	0	U	0	
Iron	1821		1667		8	
Lead	0	U	0	U	0	
Magnesium	416.8		421.2	J	1	
Manganese	60.98		61.92		2	
Nickel	0	U	0	U	0	
Potassium	3683		3696		0	
Selenium	0	U	0	U	0	
Silver	0	U	0	U	0	
Sodium	19840		20020		1	
Thallium	0	U	0	U	0	
Vanadium	0	U	0	U	0	
Zinc	3.412	J	0	U	0	

Lab Sample ID: HS24061313-01SD
Client Sample ID:
Analysis Method: SW6020A

Analyte	Sample Result	C	SD Result	C	RPD	Q
Aluminum	25.65		19.23	J	25	
Antimony	0.501	J	0	U	0	
Arsenic	0	U	0	U	0	
Barium	109.2		108.6		1	
Beryllium	0	U	0	U	0	
Cadmium	0	U	0	U	0	
Calcium	6463		6433		0	
Chromium	7.358		5.607	J	24	
Cobalt	0.196	J	0	U	0	
Copper	0	U	0	U	0	
Iron	7083		7300		3	
Lead	0	U	0	U	0	
Magnesium	3221		3225		0	
Manganese	94.13		95.52		1	
Nickel	12.27		13.38	J	9	
Potassium	2127		2074		2	
Selenium	0	U	0	U	0	
Silver	0	U	0	U	0	
Sodium	25870		25450		2	
Thallium	0	U	0	U	0	
Vanadium	0	U	0	U	0	
Zinc	4.486	J	0	U	0	

ALS Houston, US

Date: 13-Sep-24

Form 8 - ICP Serial Dilutions

Client: Bhate Environmental Associates, Inc.
Project: LHAAP / ICT Wells
WorkOrder: HS24061330

Date Analyzed: 09-Jul-2024 11:40
Date Extracted: 05-Jul-2024 08:00
Units: ug/L

Lab Sample ID: HS24061330-04SD
Client Sample ID:ICT8_062024

Analysis Method: SW6020A

Analyte	Sample Result	C	SD Result	C	RPD	Q
Antimony	0.983	J	0	U	0	
Arsenic	1.66	J	0	U	0	
Barium	402.2		406.5		1	
Beryllium	0	U	0	U	0	
Cadmium	0.231	J	0	U	0	
Calcium	12100		12230		1	
Chromium	6.07		2.791	J	54	
Cobalt	2.507	J	2.698	J	8	
Copper	58.38		61.27		5	
Iron	3550		3513		1	
Lead	0	U	0	U	0	
Magnesium	9599		9756		2	
Manganese	385.6		392.3		2	
Nickel	16.83		17.87	J	6	
Potassium	1098		1079		2	
Selenium	0	U	0	U	0	
Silver	0	U	0	U	0	
Sodium	57740		58940		2	
Thallium	0.543	J	0	U	0	
Vanadium	0.809	J	0	U	0	
Zinc	188.3		197.3		5	

Report Generated By Teledyne Leeman QuickTrace

Analyst: ALSHS.NoUser,

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\070524AW.wszf

Creation Date: 7/5/2024 10:09:44 AM

Comment:

Results

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags
Calibration Blank					STD	07/05/24 10:57:53 am	0.000	54	18.41		
	Replicates	44.0	50.0	54.0	67.4						
Standard #1 (0.2 ppb)					STD	07/05/24 10:59:35 am	0.200	1116	0.96	5.25%	
	Replicates	1126.7	1101.0	1117.4	1117.8						
Standard #2 (0.5 ppb)					STD	07/05/24 11:01:17 am	0.500	2569	0.23	-1.47%	
	Replicates	2561.2	2574.2	2568.0	2572.4						
Standard #3 (2.0 ppb)					STD	07/05/24 11:03:00 am	2.000	10254	0.07	-0.76%	
	Replicates	10255.0	10263.6	10247.2	10249.4						
Standard #4 (5.0 ppb)					STD	07/05/24 11:04:43 am	5.000	26237	0.11	1.76%	
	Replicates	26197.9	26230.6	26258.2	26262.8						
Standard #5 (10.0 ppb)					STD	07/05/24 11:06:26 am	10.000	51100	0.16	-0.84%	
	Replicates	50993.6	51099.2	51112.2	51197.0						

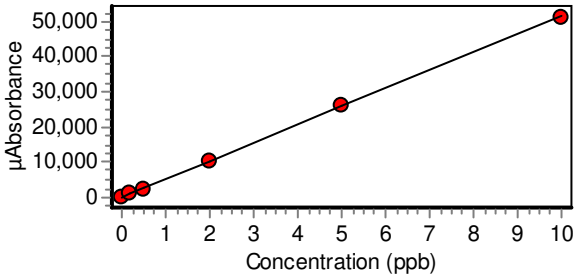
Calibration

Equation: Abs = 5150.409x + 31.520

R2: 0.99980 RSE: 3.37%

SEE: 318.7041

Flags:



ICCV					UNK	07/05/24 11:09:39 am	5.080	26218	0.16		
	Replicates	26182.0	26194.5	26222.1	26274.3						
ICV					UNK	07/05/24 11:11:20 am	5.330	27488	0.10		
	Replicates	27459.5	27492.3	27476.9	27523.7						
ICB					UNK	07/05/24 11:13:02 am	-0.003	16	83.25		
	Replicates	34.1	7.3	4.5	16.1						
CRA					UNK	07/05/24 11:14:44 am	0.203	1077	1.24		
	Replicates	1060.6	1086.0	1088.8	1073.4						
CCV					UNK	07/05/24 11:19:50 am	5.040	25976	0.68		
	Replicates	25743.3	25948.7	26061.7	26150.7						
CCB					UNK	07/05/24 11:21:34 am	-0.013	-33	21.49		
	Replicates	-28.2	-45.0	-15.2	-42.4						
MBLK-214533					UNK	07/05/24 11:30:44 am	-0.024	-93	5.58		
	Replicates	-82.9	-99.1	-95.5	-93.5						

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags
LCS-214533					UNK	07/05/24 11:32:26 am	4.910	25298	0.21		
	Replicates	25228.7	25293.9	25318.5	25351.9						
MBLKT1-214053					UNK	07/05/24 11:34:54 am	-0.002	21	208.42		
	Replicates	9.4	23.1	3.1	50.3						
MBLKT2-214415					UNK	07/05/24 11:36:37 am	0.007	68	63.99		
	Replicates	66.6	35.7	79.3	88.5						
HS24061364-01					UNK	07/05/24 11:38:19 am	-0.011	-24	21.65		
	Replicates	-15.6	-11.2	-35.6	-31.6						
HS24061389-01					UNK	07/05/24 11:40:02 am	-0.006	1	40.88		
	Replicates	-6.9	-12.4	14.8	7.6						
HS24061389-02					UNK	07/05/24 11:41:45 am	-0.007	-4	45.16		
	Replicates	3.9	-27.4	8.6	-1.4						
HS24061389-03					UNK	07/05/24 11:43:28 am	-0.008	-11	5.11		
	Replicates	-12.4	-8.3	-11.3	-13.3						
HS24061389-04					UNK	07/05/24 11:45:09 am	-0.001	25	203.14		
	Replicates	6.7	31.4	21.8	38.8						
HS24061389-04MS					UNK	07/05/24 11:46:51 am	4.610	23750	0.27		
	Replicates	23691.2	23705.7	23769.1	23832.9						
CCV					UNK	07/05/24 11:49:49 am	4.990	25713	0.87		
	Replicates	25404.7	25697.7	25837.7	25913.7						
CCB					UNK	07/05/24 11:51:33 am	-0.003	16	85.95		
	Replicates	34.9	15.5	5.1	8.7						
HS24061389-04MSD					UNK	07/05/24 11:53:14 am	4.430	22864	1.59		
	Replicates	22540.5	23223.8	23131.0	22560.0						
HS24061389-05					UNK	07/05/24 11:54:56 am	-0.011	-27	16.24		
	Replicates	-35.4	-34.6	-20.0	-17.4						
HS24061389-06					UNK	07/05/24 11:56:38 am	-0.022	-81	7.65		
	Replicates	-87.3	-84.6	-85.2	-68.6						
HS24061389-07					UNK	07/05/24 11:58:20 am	0.004	51	120.23		
	Replicates	75.3	36.4	66.6	26.2						
HS24061389-08					UNK	07/05/24 12:00:02 pm	0.011	88	30.71		
	Replicates	104.8	74.9	100.5	71.1						
HS24061389-09					UNK	07/05/24 12:01:45 pm	0.006	63	28.47		
	Replicates	52.3	64.2	62.6	74.4						
HS24061389-10					UNK	07/05/24 12:03:27 pm	0.000	31	489.11		
	Replicates	34.9	27.4	15.8	46.4						
HS24061389-11					UNK	07/05/24 12:05:10 pm	-0.002	20	39.61		
	Replicates	15.6	20.1	17.1	26.1						

Sample Name				Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags
HS24061389-12				UNK	07/05/24 12:06:53 pm	0.001	39	102.12		
Replicates	30.5	49.0	38.6	37.8						
HS24061389-13				UNK	07/05/24 12:08:36 pm	0.004	51	65.36		
Replicates	64.0	53.3	52.3	33.7						
CCV				UNK	07/05/24 12:12:16 pm	5.010	25837	0.30		
Replicates	25738.9	25813.1	25876.3	25919.1						
CCB				UNK	07/05/24 12:14:00 pm	-0.003	15	58.69		
Replicates	15.8	11.7	3.3	27.3						
HS24061389-14				UNK	07/05/24 12:15:41 pm	-0.001	29	498.83		
Replicates	10.0	37.5	42.5	24.5						
HS24061389-15				UNK	07/05/24 12:17:23 pm	-0.001	29	585.32		
Replicates	23.9	28.1	12.1	50.9						
HS24061389-16				UNK	07/05/24 12:19:04 pm	0.003	49	66.93		
Replicates	49.5	64.1	43.1	37.7						
HS24061389-17				UNK	07/05/24 12:20:46 pm	-0.001	28	161.56		
Replicates	30.5	32.3	29.3	18.3						
HS24061389-18				UNK	07/05/24 12:22:28 pm	0.003	49	73.05		
Replicates	61.7	45.9	55.1	32.5						
HS24061612-01				UNK	07/05/24 12:24:10 pm	-0.003	18	151.26		
Replicates	35.9	6.3	34.7	-6.7						
MBLK-214536				UNK	07/05/24 12:25:52 pm	-0.005	7	25.01		
Replicates	8.4	13.8	7.0	-1.0						
LCS-214536				UNK	07/05/24 12:27:35 pm	5.010	25831	0.44		
Replicates	25675.4	25831.5	25869.5	25947.5						
MBLKT1-214417				UNK	07/05/24 12:29:17 pm	0.000	30	276.11		
Replicates	19.2	43.9	15.1	43.1						
MBLKT2-214458				UNK	07/05/24 12:31:00 pm	0.009	76	11.48		
Replicates	69.6	74.0	77.6	81.4						
CCV				UNK	07/05/24 12:36:38 pm	4.980	25693	0.46		
Replicates	25521.6	25718.1	25747.5	25783.7						
CCB				UNK	07/05/24 12:38:22 pm	-0.011	-24	27.89		
Replicates	-8.9	-36.4	-12.2	-38.0						
HS24061820-01				UNK	07/05/24 12:40:05 pm	-0.008	-9	17.98		
Replicates	-2.3	-19.3	-6.1	-8.7						
HS24061820-02				UNK	07/05/24 12:41:48 pm	-0.006	1	53.54		
Replicates	-9.4	-16.3	12.1	17.5						
HS24061820-03				UNK	07/05/24 12:43:29 pm	0.000	32	550.47		
Replicates	31.7	26.3	42.5	26.1						

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags
HS24061820-03MS					UNK	07/05/24 12:45:11 pm	4.790	24710	0.29		
Replicates	24628.0	24679.9	24742.5	24790.5							
HS24061820-03MSD					UNK	07/05/24 12:46:53 pm	4.790	24702	0.39		
Replicates	24592.3	24664.8	24729.6	24820.6							
HS24061820-04					UNK	07/05/24 12:48:35 pm	0.006	63	48.05		
Replicates	74.3	57.5	77.3	44.5							
HS24070099-01					UNK	07/05/24 12:50:17 pm	0.004	50	81.34		
Replicates	43.0	54.5	33.9	68.7							
MBLK-214537					UNK	07/05/24 12:51:59 pm	0.002	42	126.90		
Replicates	31.2	55.7	50.3	30.1							
LCS-214537					UNK	07/05/24 12:53:41 pm	4.880	25146	0.51		
Replicates	24963.3	25151.1	25223.9	25246.3							
HS24061330-01					UNK	07/05/24 12:55:24 pm	0.000	34	612.52		
Replicates	41.0	45.9	28.9	18.3							
CCV					UNK	07/05/24 12:58:46 pm	4.920	25396	1.14		
Replicates	24981.2	25415.1	25574.9	25613.1							
CCB					UNK	07/05/24 01:00:30 pm	-0.010	-19	30.29		
Replicates	-6.2	-36.0	-28.2	-6.0							
HS24061330-02					UNK	07/05/24 01:02:12 pm	0.020	135	13.75		
Replicates	129.6	134.3	154.9	121.5							
HS24061330-03					UNK	07/05/24 01:03:55 pm	-0.001	27	188.00		
Replicates	32.9	20.5	36.1	16.7							
HS24061330-04					UNK	07/05/24 01:05:38 pm	-0.012	-32	23.94		
Replicates	-27.6	-27.7	-19.7	-54.7							
HS24061330-04MS					UNK	07/05/24 01:07:21 pm	4.890	25238	0.34		
Replicates	25125.2	25231.6	25272.2	25324.8							
HS24061330-04MSD					UNK	07/05/24 01:09:03 pm	4.780	24668	0.37		
Replicates	24540.6	24667.7	24711.3	24753.1							
HS24061330-05					UNK	07/05/24 01:10:45 pm	0.004	52	112.81		
Replicates	66.1	77.5	33.9	30.9							
HS24061330-06					UNK	07/05/24 01:13:23 pm	-0.002	23	54.72		
Replicates	27.0	20.5	16.9	26.3							
HS24061330-07					UNK	07/05/24 01:15:05 pm	-0.007	-5	51.19		
Replicates	-13.2	-27.6	6.0	14.0							
HS24061330-08					UNK	07/05/24 01:16:47 pm	0.007	68	40.61		
Replicates	89.3	67.5	61.1	55.1							
HS24061330-09					UNK	07/05/24 01:18:29 pm	0.031	190	19.24		
Replicates	158.6	173.6	199.4	228.0							

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags
CCV					UNK	07/05/24 01:21:59 pm	5.110	26338	0.42		
	Replicates	26179.9	26346.8	26398.4	26426.8						
CCB					UNK	07/05/24 01:24:59 pm	-0.003	18	138.63		
	Replicates	9.4	39.7	-4.1	25.9						
HS24061330-09					UNK	07/05/24 01:26:41 pm	0.000	31	141.93		
	Replicates	32.4	43.8	29.4	16.6						
HS24061330-10					UNK	07/05/24 01:28:24 pm	-0.005	4	55.24		
	Replicates	7.1	-17.7	15.1	12.7						
HS24061330-11					UNK	07/05/24 01:30:06 pm	0.017	118	13.77		
	Replicates	104.6	125.6	110.6	129.4						
HS24061330-12					UNK	07/05/24 01:31:49 pm	-0.007	-6	38.98		
	Replicates	15.0	-9.7	-10.7	-19.1						
HS24061330-13					UNK	07/05/24 01:33:31 pm	0.017	117	15.96		
	Replicates	122.0	121.9	126.7	96.7						
HS24061330-14					UNK	07/05/24 01:35:14 pm	-0.011	-25	16.76		
	Replicates	-20.4	-20.5	-38.7	-18.9						
HS24061330-15					UNK	07/05/24 01:36:57 pm	-0.024	-94	7.50		
	Replicates	-103.2	-96.9	-94.3	-80.9						
HS24061330-16					UNK	07/05/24 01:38:39 pm	0.033	202	13.04		
	Replicates	188.3	202.5	185.1	233.9						
HS24061330-17					UNK	07/05/24 01:40:22 pm	0.006	64	58.71		
	Replicates	60.6	60.9	43.7	89.1						
HS24061330-18					UNK	07/05/24 01:42:04 pm	0.005	60	15.50		
	Replicates	62.2	57.9	64.5	54.7						
CCV					UNK	07/05/24 01:47:00 pm	5.010	25824	1.68		
	Replicates	25216.0	25812.0	26094.2	26173.8						
CCB					UNK	07/05/24 01:48:44 pm	-0.017	-55	23.85		
	Replicates	-50.5	-28.4	-76.2	-65.0						
HS2406330-19					UNK	07/05/24 01:50:26 pm	-0.001	27	141.86		
	Replicates	32.1	31.5	26.5	19.5						
HS2406330-20					UNK	07/05/24 01:52:09 pm	0.004	54	41.54		
	Replicates	58.2	64.5	52.7	42.1						
MBLK-214538					UNK	07/05/24 01:53:51 pm	-0.004	11	43.19		
	Replicates	2.3	23.0	7.2	11.6						
LCS-214538					UNK	07/05/24 01:55:33 pm	5.500	28367	0.52		
	Replicates	28150.1	28441.2	28464.0	28413.0						
HS24061330-21					UNK	07/05/24 01:57:16 pm	0.008	75	21.50		
	Replicates	67.3	88.0	75.8	69.2						

Sample Name				Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags
HS24061330-21MS				UNK	07/05/24 01:58:58 pm	4.670	24058	1.07		
Replicates	23738.2	24012.3	24124.9	24357.7						
HS24061330-21MSD				UNK	07/05/24 02:00:41 pm	4.670	24102	0.90		
Replicates	23797.0	24104.0	24223.8	24281.6						
HS24061330-22				UNK	07/05/24 02:02:24 pm	-0.002	20	80.94		
Replicates	12.9	15.4	19.8	33.2						
HS24061330-23				UNK	07/05/24 02:04:07 pm	-0.005	8	37.89		
Replicates	18.7	9.2	5.4	-3.2						
MBLK-214539				UNK	07/05/24 02:07:53 pm	-0.006	-1	49.44		
Replicates	-7.8	-6.9	22.7	-13.1						
CCV				UNK	07/05/24 02:09:37 pm	5.030	25948	1.42		
Replicates	25432.0	25952.7	26139.7	26267.7						
CCB				UNK	07/05/24 02:11:21 pm	-0.007	-3	29.24		
Replicates	-12.4	10.2	-1.4	-10.0						
LCS-214539				UNK	07/05/24 02:15:06 pm	5.040	25970	0.89		
Replicates	25647.1	25979.1	26073.7	26178.5						
HS24061386-18				UNK	07/05/24 02:16:49 pm	-0.006	2	34.41		
Replicates	16.3	1.6	-4.6	-6.0						
HS24061430-03				UNK	07/05/24 02:18:31 pm	-0.005	8	55.86		
Replicates	-10.6	7.2	12.8	21.0						
HS24061430-06				UNK	07/05/24 02:20:13 pm	0.002	44	46.07		
Replicates	50.8	44.0	36.6	46.0						
HS24061430-09				UNK	07/05/24 02:21:56 pm	-0.002	20	165.33		
Replicates	8.2	39.9	1.1	31.9						
HS24061430-12				UNK	07/05/24 02:23:38 pm	0.003	46	53.31		
Replicates	53.9	35.5	45.9	49.7						
HS24061430-15				UNK	07/05/24 02:25:20 pm	0.003	46	116.79		
Replicates	24.9	43.1	66.1	50.7						
HS24061449-01				UNK	07/05/24 02:27:03 pm	0.002	44	91.69		
Replicates	36.1	32.3	55.1	51.5						
HS24061449-02				UNK	07/05/24 02:28:46 pm	-0.007	-7	48.11		
Replicates	-23.8	-3.5	17.7	-17.7						
HS24061449-03				UNK	07/05/24 02:30:29 pm	-0.001	26	104.19		
Replicates	22.9	21.1	34.5	24.5						
CCV				UNK	07/05/24 02:33:44 pm	5.010	25850	1.15		
Replicates	25429.3	25858.3	26017.9	26094.7						
CCB				UNK	07/05/24 02:35:28 pm	-0.004	9	67.90		
Replicates	-11.4	23.8	9.8	15.4						

Sample Name		Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags
HS24061449-04		UNK	07/05/24 02:37:11 pm	-0.007	-4	14.77		
Replicates	1.3	-0.3	-5.5	-10.1				
HS24061449-05		UNK	07/05/24 02:38:53 pm	0.000	32	222.40		
Replicates	48.7	22.9	25.7	29.9				
HS24061449-05MS		UNK	07/05/24 02:40:36 pm	4.770	24590	1.69		
Replicates	24006.4	24587.4	24822.2	24942.0				
HS24061449-05MSD		UNK	07/05/24 02:42:18 pm	4.800	24745	1.33		
Replicates	24291.4	24732.3	24907.7	25047.1				
MBLK-214540		UNK	07/05/24 02:44:01 pm	-0.009	-13	17.99		
Replicates	-22.1	-16.4	-5.2	-7.2				
LCS-214540		UNK	07/05/24 02:45:44 pm	-0.005	5	20.65		
Replicates	-1.5	10.0	3.6	9.4				
HS24061394-01		UNK	07/05/24 02:47:26 pm	0.006	64	38.11		
Replicates	70.8	49.4	58.8	77.2				
HS24061394-02		UNK	07/05/24 02:49:09 pm	-0.003	18	45.30		
Replicates	19.5	14.5	25.7	11.5				
HS24061394-02MS		UNK	07/05/24 02:50:51 pm	4.850	25011	1.18		
Replicates	24592.0	25023.3	25167.3	25259.7				
HS24061394-02MSD		UNK	07/05/24 02:52:34 pm	4.740	24441	1.57		
Replicates	23904.8	24439.0	24632.8	24785.4				
CCV		UNK	07/05/24 02:55:34 pm	5.000	25781	1.60		
Replicates	25208.7	25760.7	26032.3	26122.7				
CCB		UNK	07/05/24 02:57:18 pm	-0.004	12	70.51		
Replicates	6.9	20.7	-5.9	24.9				
HS24061611-01		UNK	07/05/24 02:59:01 pm	-0.004	13	35.00		
Replicates	8.3	14.7	7.7	21.5				
HS24061611-02		UNK	07/05/24 03:00:44 pm	0.019	130	15.42		
Replicates	129.1	113.7	126.5	150.3				
CCV		UNK	07/05/24 03:02:59 pm	5.000	25775	1.13		
Replicates	25367.1	25774.6	25932.4	26025.6				
CCB		UNK	07/05/24 03:04:43 pm	-0.008	-9	24.51		
Replicates	-4.8	-23.5	-0.9	-7.1				
CRA		UNK	07/05/24 03:06:24 pm	0.199	1054	0.70		
Replicates	1044.7	1056.9	1061.7	1054.5				
LCS-214540		UNK	07/05/24 03:17:17 pm	4.880	25141	2.38		
Replicates	24326.2	25078.5	25483.3	25676.5				
CCV		UNK	07/05/24 03:19:01 pm	4.930	25405	1.88		
Replicates	24740.5	25383.9	25686.7	25808.9				

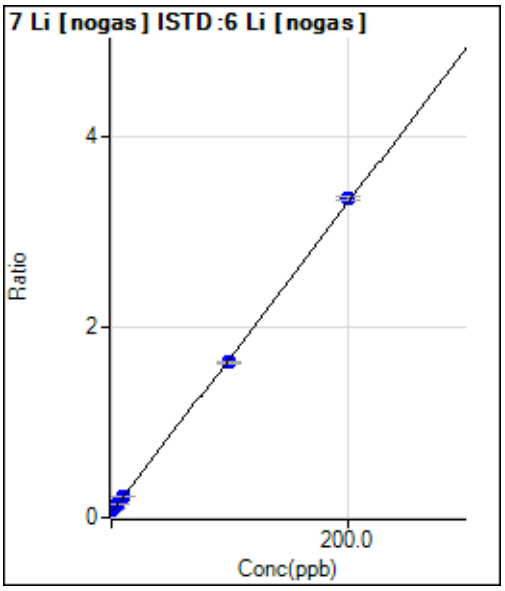
Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags
CCB					UNK	07/05/24 03:20:45 pm	-0.011	-24	38.06		
	Replicates	-19.8	-54.7	-9.1	-11.7						
CRA					UNK	07/05/24 03:22:26 pm	0.189	1007	2.96		
	Replicates	966.3	1014.8	1011.2	1034.6						

Calibration for 223_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070424A.b\
Analysis File: 070424A.batch.bin
DA Date-Time: 7/4/2024 9:09:53 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	216CALB.d	CAL BLK	7/4/2024 6:10:08 PM
2	217CALS.d	2/10/200	7/4/2024 6:12:16 PM
3	218CALS.d	5/25/500	7/4/2024 6:14:24 PM
4	219CALS.d	10/50/1000	7/4/2024 6:16:32 PM
5	220CALS.d	100/500/10K	7/4/2024 6:18:39 PM
6	221CALS.d	200/1000/20K	7/4/2024 6:20:47 PM
7			

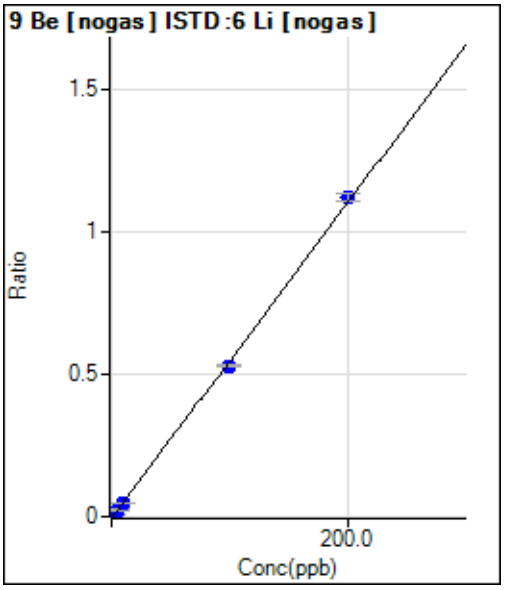
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	79980.31	0.0711	P	0.9	
2	☐	2.000	1.729	110906.12	0.0991	P	0.9	-13.6
3	☐	5.000	4.404	157534.81	0.1425	P	0.5	-11.9
4	☐	10.000	8.996	239601.78	0.2170	P	0.8	-10.0
5	☐	100.000	96.008	1702889.82	1.6284	P	0.6	-4.0
6	☐	200.000	202.064	3264717.24	3.3488	P	1.5	1.0
7	☐	1.000						

y = 0.0162 * x + 0.0711
R = 0.9997
DL = 0.1206 ppb
BEC = 4.382 ppb

Weight: <None>
Min Conc: <None>

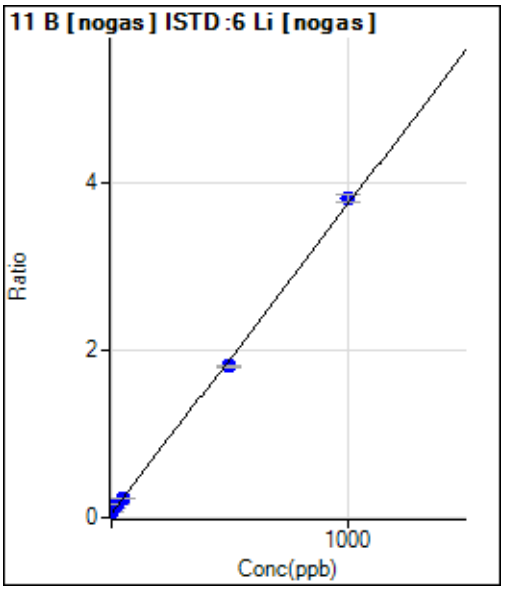


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	73.33	0.0001	P	3.2	
2	☐	2.000	1.728	10782.14	0.0096	P	0.6	-13.6
3	☐	5.000	4.246	26053.52	0.0236	P	3.1	-15.1
4	☐	10.000	8.667	53061.86	0.0481	P	2.9	-13.3
5	☐	100.000	95.503	553083.25	0.5289	P	0.8	-4.5
6	☐	200.000	202.337	1092317.75	1.1205	P	2.0	1.2
7	☐	1.000						

y = 0.0055 * x + 6.5163E-005
R = 0.9997
DL = 0.001145 ppb
BEC = 0.01177 ppb

Weight: <None>
Min Conc: <None>

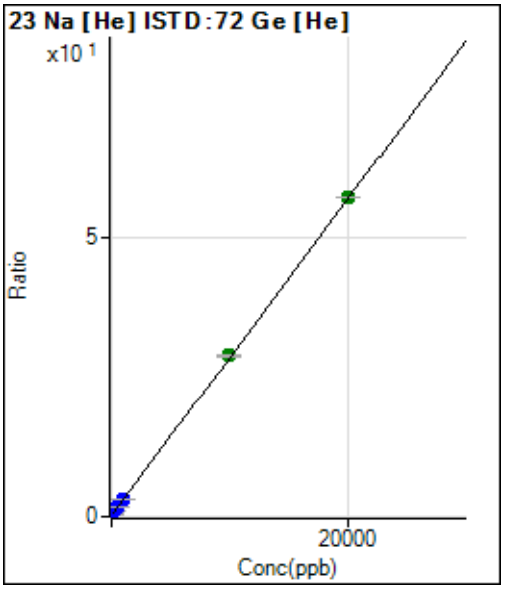
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	81956.31	0.0728	P	1.6	
2	☐	10.000	9.072	119022.88	0.1064	P	2.2	-9.3
3	☐	25.000	21.423	168048.99	0.1520	P	2.2	-14.3
4	☐	50.000	43.670	258696.62	0.2343	P	1.2	-12.7
5	☐	500.000	471.499	1899183.04	1.8161	P	1.2	-5.7
6	☐	1000.000	1014.666	3728155.78	3.8244	P	2.6	1.5
7	☐	5.000						

y = 0.0037 * x + 0.0728
R = 0.9995
DL = 0.943 ppb
BEC = 19.7 ppb

Weight: <None>
Min Conc: <None>

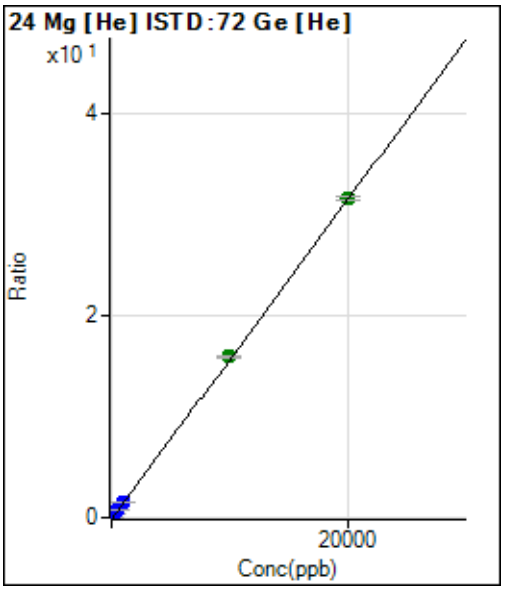


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	328086.46	0.5182	P	2.2	
2	☐	200.000	185.593	662714.68	1.0439	P	0.2	-7.2
3	☐	500.000	450.239	1148035.74	1.7935	P	1.7	-10.0
4	☐	1000.000	956.346	2018593.46	3.2269	P	1.3	-4.4
5	☐	10000.00	9981.846	18130218.48	28.7902	A	0.6	-0.2
6	☐	20000.00	20012.64	35809858.63	57.2008	A	0.3	0.1
7	☐	100.000						

y = 0.0028 * x + 0.5182
R = 1.0000
DL = 11.98 ppb
BEC = 183 ppb

Weight: <None>
Min Conc: <None>

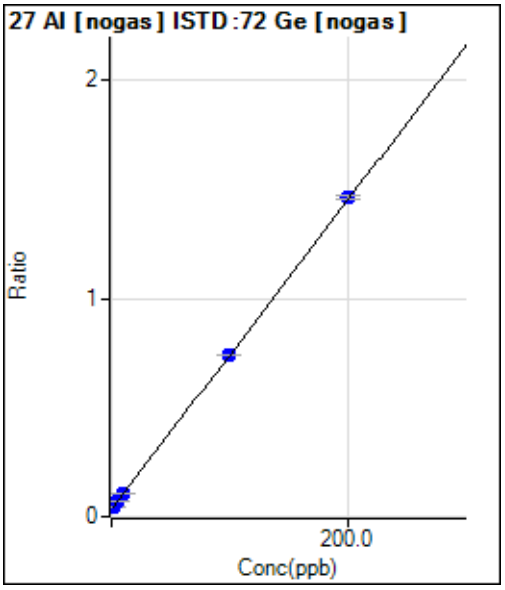
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2230.21	0.0035	P	1.5	
2	☐	200.000	188.029	191470.41	0.3016	P	0.6	-6.0
3	☐	500.000	453.903	462854.11	0.7231	P	2.0	-9.2
4	☐	1000.000	962.758	956910.22	1.5298	P	1.4	-3.7
5	☐	10000.00	10056.03	10041143.39	15.9451	A	0.7	0.6
6	☐	20000.00	19975.11	19826031.37	31.6695	A	1.0	-0.1
7	☐	100.000						

y = 0.0016 * x + 0.0035
R = 1.0000
DL = 0.1023 ppb
BEC = 2.222 ppb

Weight: <None>
Min Conc: <None>

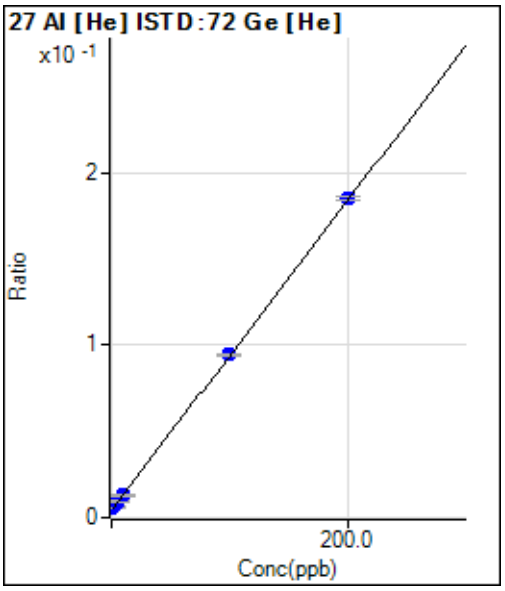


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	92500.28	0.0416	P	1.1	
2	☐	2.000	0.848	105483.09	0.0476	P	0.5	-57.6
3	☐	5.000	4.525	164275.95	0.0736	P	1.4	-9.5
4	☐	10.000	8.548	226892.63	0.1021	P	1.0	-14.5
5	☐	100.000	98.618	1648418.57	0.7395	P	0.7	-1.4
6	☐	200.000	200.787	3205314.64	1.4626	P	1.0	0.4
7	☐	1.000						

y = 0.0071 * x + 0.0416
R = 1.0000
DL = 0.186 ppb
BEC = 5.882 ppb

Weight: <None>
Min Conc: <None>

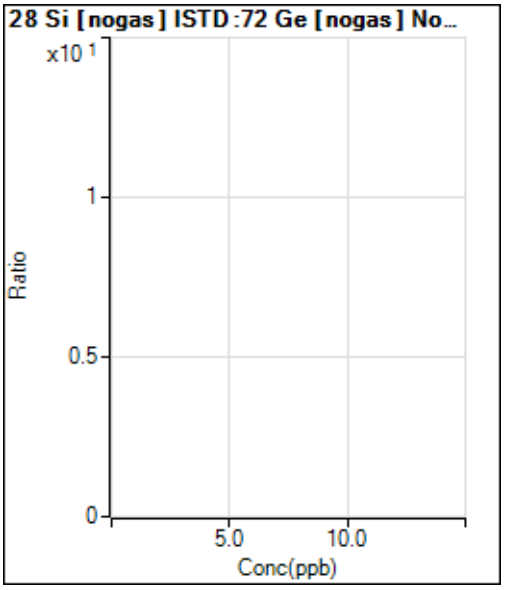
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3413.78	0.0054	P	6.3	
2	☐	2.000	0.896	3933.92	0.0062	P	2.5	-55.2
3	☐	5.000	4.492	6034.62	0.0094	P	5.1	-10.2
4	☐	10.000	8.844	8342.43	0.0133	P	8.3	-11.6
5	☐	100.000	99.576	59769.59	0.0949	P	1.1	-0.4
6	☐	200.000	200.293	116102.52	0.1855	P	1.2	0.1
7	☐	1.000						

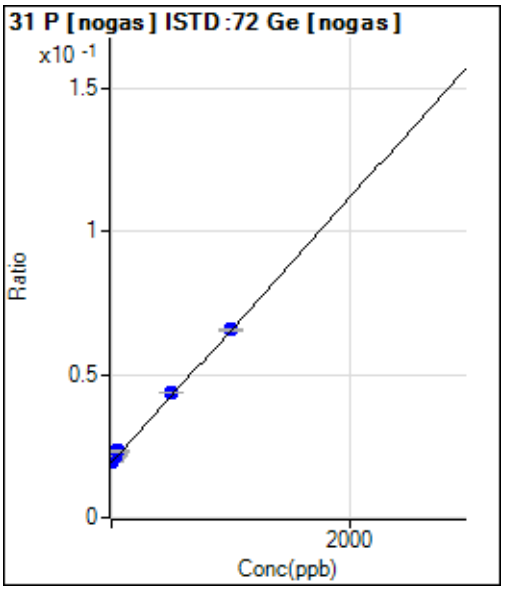
y = 8.9902E-004 * x + 0.0054
R = 1.0000
DL = 1.125 ppb
BEC = 5.997 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

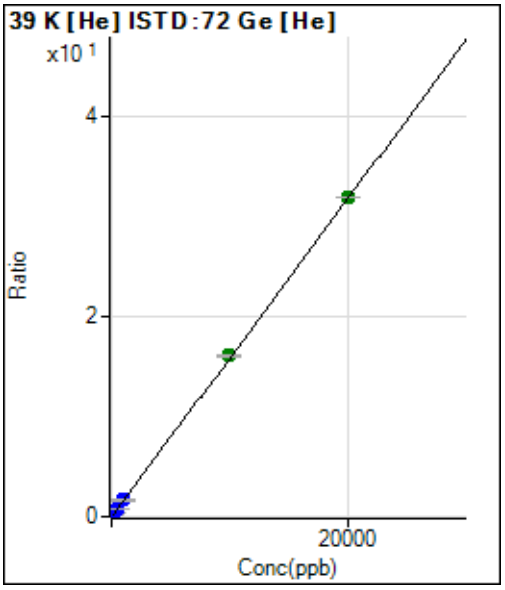
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	43959.88	0.0198	P	3.3	
2	☐	10.000	25.879	46470.75	0.0210	P	2.3	158.8
3	☐	25.000	40.144	48279.51	0.0216	P	2.6	60.6
4	☐	50.000	73.597	51536.99	0.0232	P	2.1	47.2
5	☐	500.000	516.412	97501.34	0.0437	P	0.3	3.3
6	☐	1000.000	990.077	144020.78	0.0657	P	0.9	-1.0
7	☐	5.000						

y = 4.6395E-005 * x + 0.0198
R = 0.9997
DL = 42.28 ppb
BEC = 426.4 ppb

Weight: <None>
Min Conc: <None>

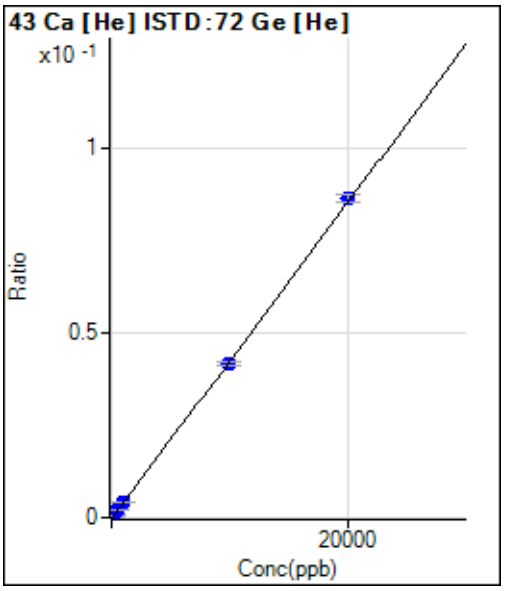


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	90182.06	0.1425	P	2.8	
2	☐	200.000	186.688	279195.47	0.4398	P	1.7	-6.7
3	☐	500.000	449.049	549005.36	0.8576	P	1.1	-10.2
4	☐	1000.000	941.607	1027149.65	1.6421	P	1.4	-5.8
5	☐	10000.00	10023.83	10142593.39	16.1064	A	1.4	0.2
6	☐	20000.00	19992.40	20022071.37	31.9822	A	0.3	0.0
7	☐	100.000						

y = 0.0016 * x + 0.1425
R = 1.0000
DL = 7.458 ppb
BEC = 89.45 ppb

Weight: <None>
Min Conc: <None>

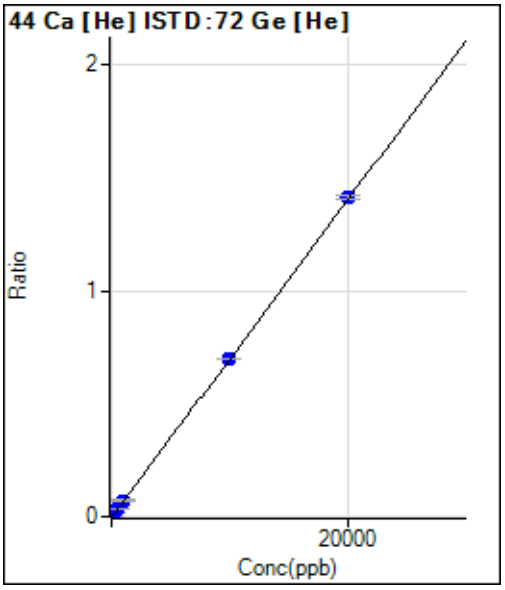
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63.33	0.0001	P	18.9	
2	☐	200.000	165.737	513.35	0.0008	P	14.8	-17.1
3	☐	500.000	489.775	1403.43	0.0022	P	10.5	-2.0
4	☐	1000.000	958.196	2623.61	0.0042	P	7.0	-4.2
5	☐	10000.00	9684.733	26132.88	0.0415	P	1.8	-3.2
6	☐	20000.00	20160.32	54009.36	0.0863	P	2.2	0.8
7	☐	100.000						

y = 4.2744E-006 * x + 1.0012E-004
R = 0.9998
DL = 13.28 ppb
BEC = 23.42 ppb

Weight: <None>
Min Conc: <None>

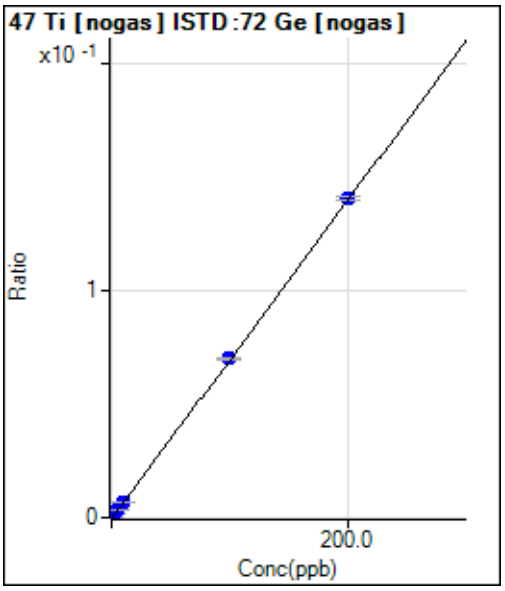


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1750.14	0.0028	P	2.7	
2	☐	200.000	187.805	10146.90	0.0160	P	8.0	-6.1
3	☐	500.000	474.762	23161.26	0.0362	P	2.0	-5.0
4	☐	1000.000	985.162	45090.54	0.0721	P	3.7	-1.5
5	☐	10000.00	9887.492	439950.63	0.6986	P	0.5	-1.1
6	☐	20000.00	20057.74	885442.80	1.4144	P	1.3	0.3
7	☐	100.000						

y = 7.0378E-005 * x + 0.0028
R = 1.0000
DL = 3.203 ppb
BEC = 39.28 ppb

Weight: <None>
Min Conc: <None>

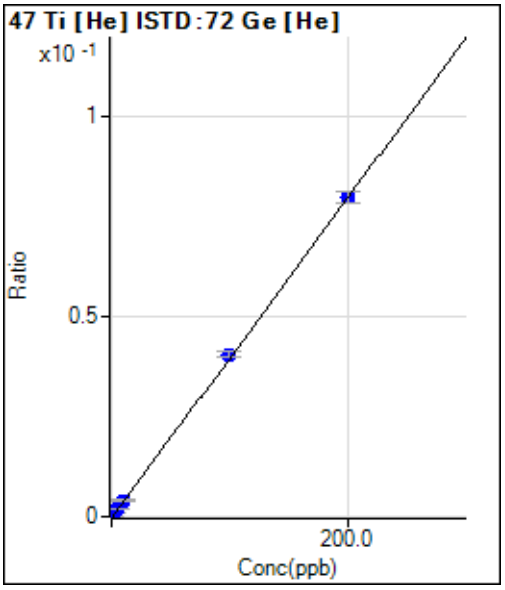
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	186.67	0.0001	P	17.6	
2	☐	2.000	1.893	3123.72	0.0014	P	6.2	-5.4
3	☐	5.000	4.539	7285.21	0.0033	P	2.5	-9.2
4	☐	10.000	9.755	15378.09	0.0069	P	2.4	-2.5
5	☐	100.000	99.571	155743.56	0.0699	P	0.5	-0.4
6	☐	200.000	200.239	307753.80	0.1404	P	1.4	0.1
7	☐	1.000						

y = 7.0088E-004 * x + 8.4108E-005
R = 1.0000
DL = 0.06321 ppb
BEC = 0.12 ppb

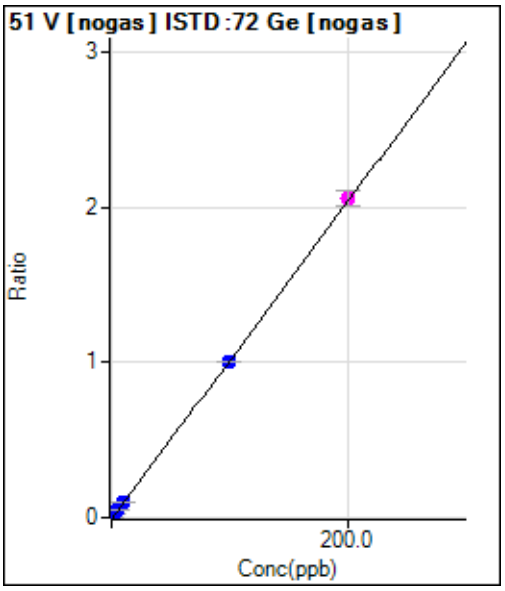
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	30.00	0.0000	P	88.1	
2	☐	2.000	1.796	486.68	0.0008	P	7.4	-10.2
3	☐	5.000	4.679	1230.07	0.0019	P	5.8	-6.4
4	☐	10.000	9.979	2530.26	0.0040	P	7.6	-0.2
5	☐	100.000	101.335	25588.63	0.0406	P	3.6	1.3
6	☐	200.000	199.344	50006.10	0.0799	P	3.3	-0.3
7	☐	1.000						

y = 4.0048E-004 * x + 4.7276E-005
R = 1.0000
DL = 0.312 ppb
BEC = 0.118 ppb

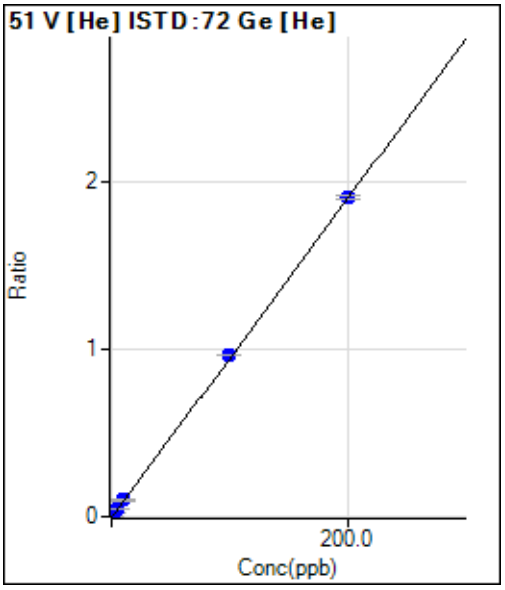
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	371.32	0.0001	P	1656.0	
2	☐	2.000	1.957	44752.45	0.0202	P	4.7	-2.2
3	☐	5.000	4.496	103143.34	0.0462	P	1.8	-10.1
4	☐	10.000	9.423	214913.61	0.0967	P	0.7	-5.8
5	☐	100.000	98.020	2239740.44	1.0048	P	0.5	-2.0
6	☐	200.000	201.032	4516305.63	2.0607	M	4.4	0.5
7	☐	1.000						

y = 0.0102 * x + 1.4946E-004
R = 0.9999
DL = 0.7244 ppb
BEC = 0.01458 ppb

Weight: <None>
Min Conc: <None>

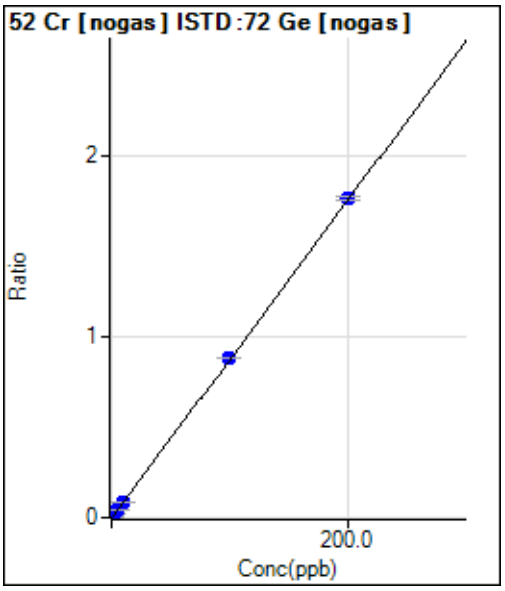


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2235.49	0.0035	P	21.2	
2	☐	2.000	1.950	14082.10	0.0222	P	4.0	-2.5
3	☐	5.000	4.485	29708.13	0.0464	P	5.3	-10.3
4	☐	10.000	9.904	61458.46	0.0983	P	2.2	-1.0
5	☐	100.000	100.641	608366.05	0.9661	P	0.7	0.6
6	☐	200.000	199.698	1197877.45	1.9134	P	0.7	-0.2
7	☐	1.000						

y = 0.0096 * x + 0.0035
R = 1.0000
DL = 0.2354 ppb
BEC = 0.3696 ppb

Weight: <None>
Min Conc: <None>

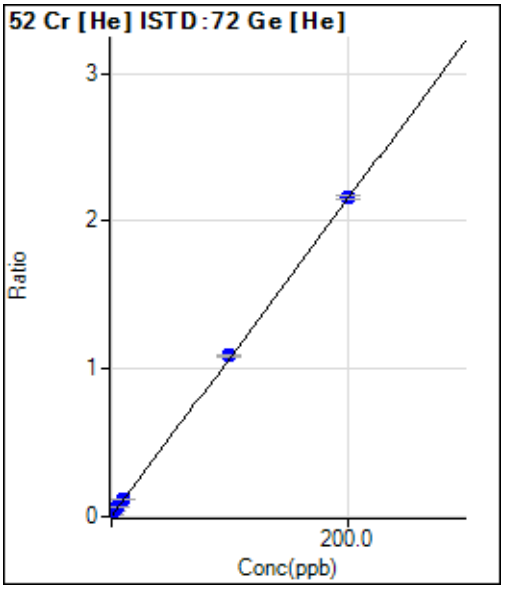
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11798.12	0.0053	P	3.4	
2	☐	2.000	1.937	49528.03	0.0224	P	0.8	-3.2
3	☐	5.000	4.671	103592.94	0.0464	P	0.7	-6.6
4	☐	10.000	9.637	200329.79	0.0902	P	0.6	-3.6
5	☐	100.000	99.656	1967695.60	0.8828	P	0.3	-0.3
6	☐	200.000	200.199	3874711.92	1.7681	P	0.9	0.1
7	☐	1.000						

y = 0.0088 * x + 0.0053
R = 1.0000
DL = 0.0622 ppb
BEC = 0.603 ppb

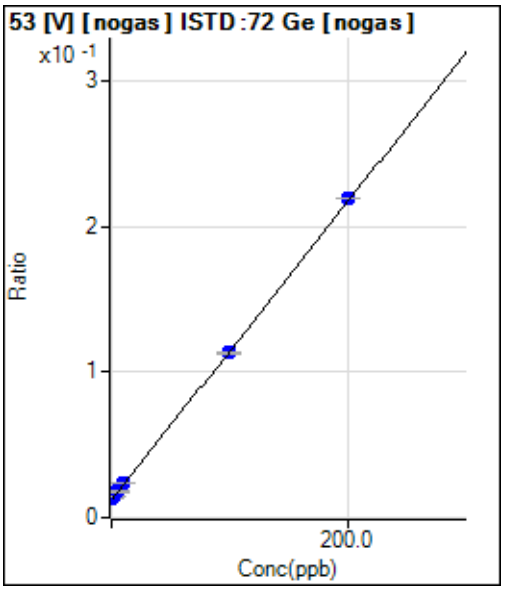
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8809.38	0.0139	P	7.6	
2	☐	2.000	1.809	21171.76	0.0333	P	1.7	-9.5
3	☐	5.000	4.633	40765.31	0.0637	P	0.8	-7.3
4	☐	10.000	9.900	75206.67	0.1202	P	2.3	-1.0
5	☐	100.000	100.017	685177.93	1.0880	P	0.4	0.0
6	☐	200.000	200.008	1353392.74	2.1619	P	0.8	0.0
7	☐	1.000						

y = 0.0107 * x + 0.0139
R = 1.0000
DL = 0.2953 ppb
BEC = 1.296 ppb

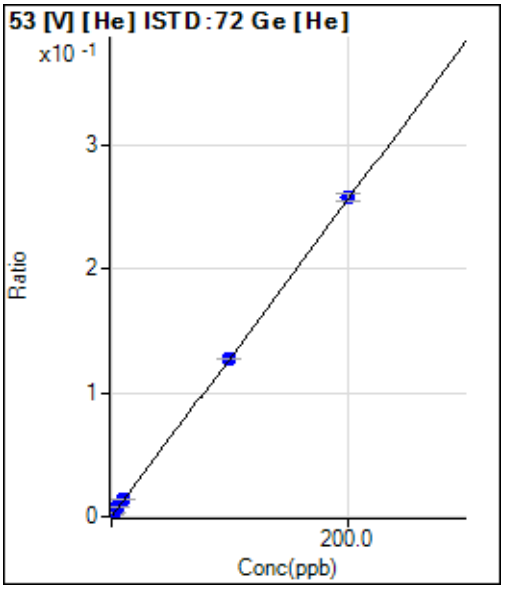
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	29368.84	0.0132	P	4.4	
2	☐	2.000	0.711	30888.48	0.0139	P	0.9	-64.5
3	☐	5.000	4.581	39949.81	0.0179	P	1.8	-8.4
4	☐	10.000	10.427	53086.74	0.0239	P	1.6	4.3
5	☐	100.000	97.579	252128.41	0.1131	P	1.0	-2.4
6	☐	200.000	201.213	480404.25	0.2192	P	0.4	0.6
7	☐	1.000						

y = 0.0010 * x + 0.0132
R = 0.9999
DL = 1.686 ppb
BEC = 12.91 ppb

Weight: <None>
Min Conc: <None>

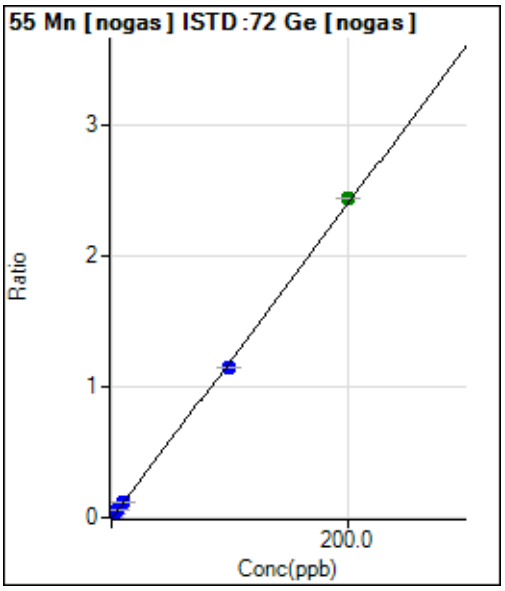


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	880.04	0.0014	P	10.2	
2	☐	2.000	1.736	2293.56	0.0036	P	6.3	-13.2
3	☐	5.000	5.057	5037.60	0.0079	P	3.0	1.1
4	☐	10.000	9.890	8792.71	0.0141	P	2.6	-1.1
5	☐	100.000	98.885	80641.22	0.1281	P	0.3	-1.1
6	☐	200.000	200.564	161699.26	0.2583	P	2.0	0.3
7	☐	1.000						

y = 0.0013 * x + 0.0014
R = 1.0000
DL = 0.3332 ppb
BEC = 1.084 ppb

Weight: <None>
Min Conc: <None>

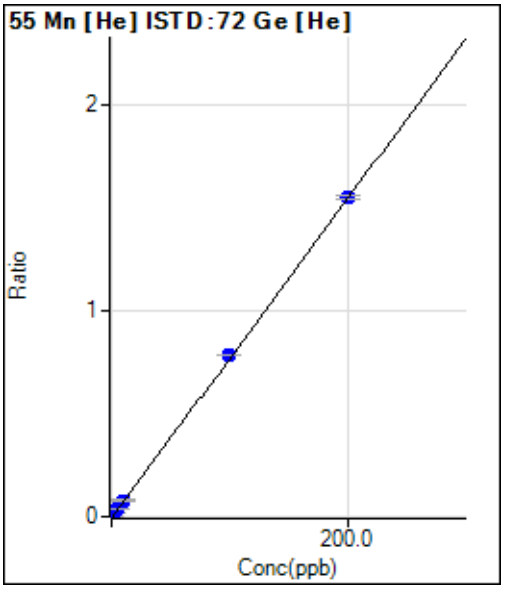
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8459.20	0.0038	P	3.6	
2	☐	2.000	1.878	58533.59	0.0264	P	0.8	-6.1
3	☐	5.000	4.565	131135.80	0.0588	P	0.9	-8.7
4	☐	10.000	9.209	254893.85	0.1147	P	0.7	-7.9
5	☐	100.000	94.961	2557556.84	1.1474	P	0.4	-5.0
6	☐	200.000	202.571	5354649.09	2.4434	A	0.2	1.3
7	☐	1.000						

y = 0.0120 * x + 0.0038
R = 0.9996
DL = 0.03456 ppb
BEC = 0.316 ppb

Weight: <None>
Min Conc: <None>

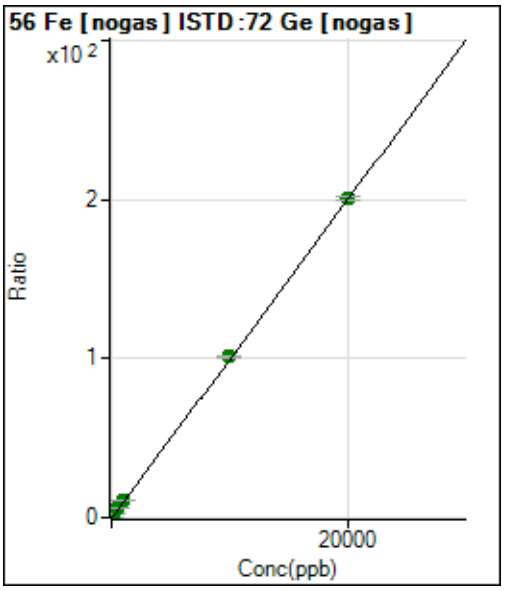


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	680.03	0.0011	P	18.4	
2	☐	2.000	1.956	10340.35	0.0163	P	2.1	-2.2
3	☐	5.000	4.767	24423.49	0.0381	P	0.5	-4.7
4	☐	10.000	10.091	49758.98	0.0796	P	3.0	0.9
5	☐	100.000	100.678	493774.76	0.7841	P	0.2	0.7
6	☐	200.000	199.663	972803.45	1.5539	P	1.0	-0.2
7	☐	1.000						

y = 0.0078 * x + 0.0011
R = 1.0000
DL = 0.07625 ppb
BEC = 0.1383 ppb

Weight: <None>
Min Conc: <None>

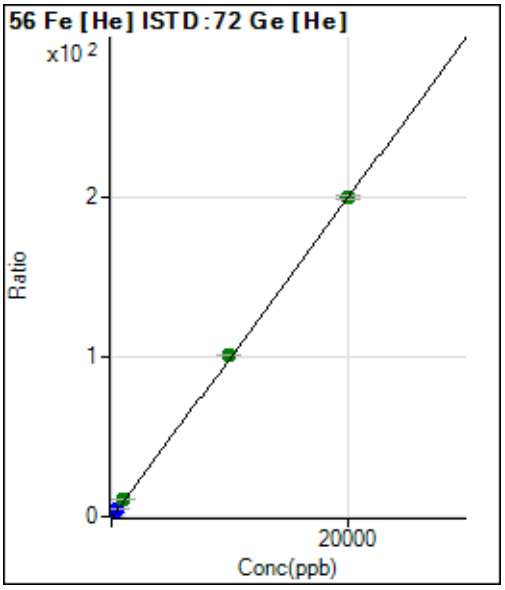
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	931203.74	0.4190	P	1.2	
2	☐	200.000	210.742	5616877.42	2.5362	A	1.1	5.4
3	☐	500.000	506.817	12292400.65	5.5106	A	1.3	1.4
4	☐	1000.000	1014.567	23578243.81	10.6115	A	0.4	1.5
5	☐	10000.00	10038.21	225698983.3	101.263	A	1.6	0.4
6	☐	20000.00	19979.88	440792446.7	201.139	A	0.6	-0.1
7	☐	100.000						

y = 0.0100 * x + 0.4190
R = 1.0000
DL = 1.511 ppb
BEC = 41.71 ppb

Weight: <None>
Min Conc: <None>

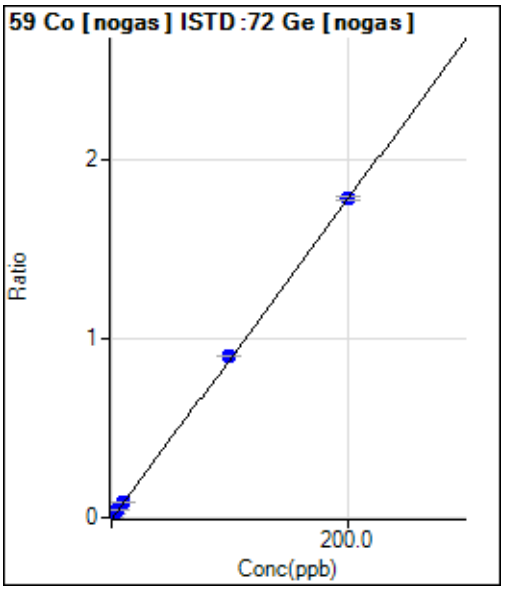


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	21115.16	0.0333	P	2.9	
2	☐	200.000	184.403	1194257.56	1.8812	P	0.7	-7.8
3	☐	500.000	446.829	2887498.08	4.5109	P	1.7	-10.6
4	☐	1000.000	1030.893	6482679.90	10.3635	A	1.5	3.1
5	☐	10000.00	10109.87	63819245.72	101.340	A	0.5	1.1
6	☐	20000.00	19945.00	125140251.4	199.894	A	0.8	-0.3
7	☐	100.000						

y = 0.0100 * x + 0.0333
R = 1.0000
DL = 0.2887 ppb
BEC = 3.328 ppb

Weight: <None>
Min Conc: <None>

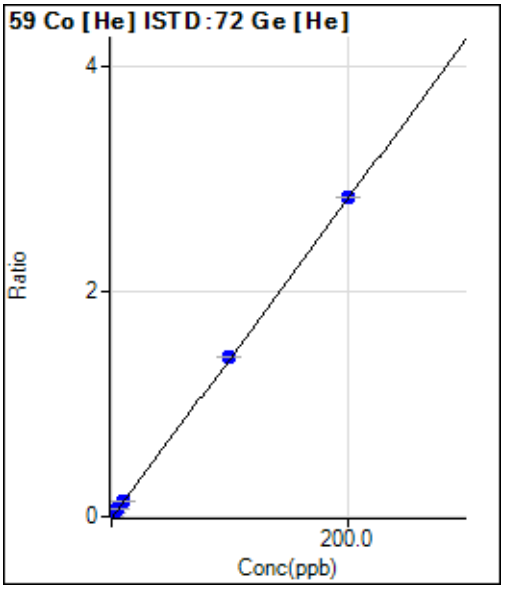
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	283.34	0.0001	P	10.5	
2	☐	2.000	2.023	40434.54	0.0183	P	2.0	1.2
3	☐	5.000	4.842	97058.27	0.0435	P	1.6	-3.2
4	☐	10.000	9.886	197109.81	0.0887	P	0.4	-1.1
5	☐	100.000	100.970	2017006.79	0.9049	P	0.4	1.0
6	☐	200.000	199.524	3918487.13	1.7880	P	0.9	-0.2
7	☐	1.000						

y = 0.0090 * x + 1.2743E-004
R = 1.0000
DL = 0.004498 ppb
BEC = 0.01422 ppb

Weight: <None>
Min Conc: <None>

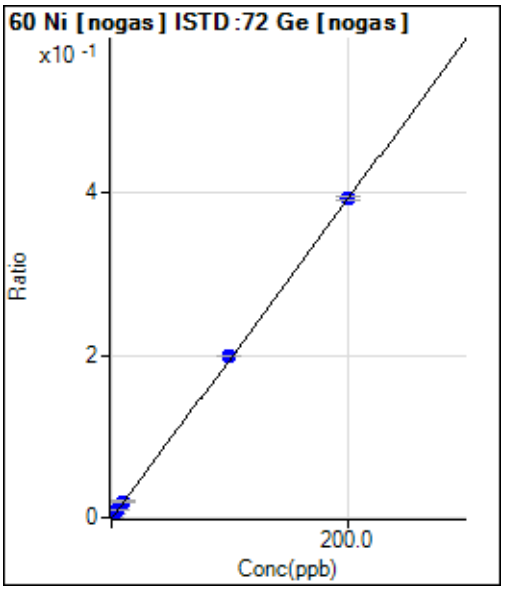


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	56.67	0.0001	P	26.7	
2	☐	2.000	1.958	17664.04	0.0278	P	4.1	-2.1
3	☐	5.000	4.788	43463.08	0.0679	P	2.2	-4.2
4	☐	10.000	10.067	89251.14	0.1427	P	2.1	0.7
5	☐	100.000	99.828	890365.38	1.4138	P	0.3	-0.2
6	☐	200.000	200.088	1774013.41	2.8337	P	0.3	0.0
7	☐	1.000						

y = 0.0142 * x + 8.9484E-005
R = 1.0000
DL = 0.005069 ppb
BEC = 0.006319 ppb

Weight: <None>
Min Conc: <None>

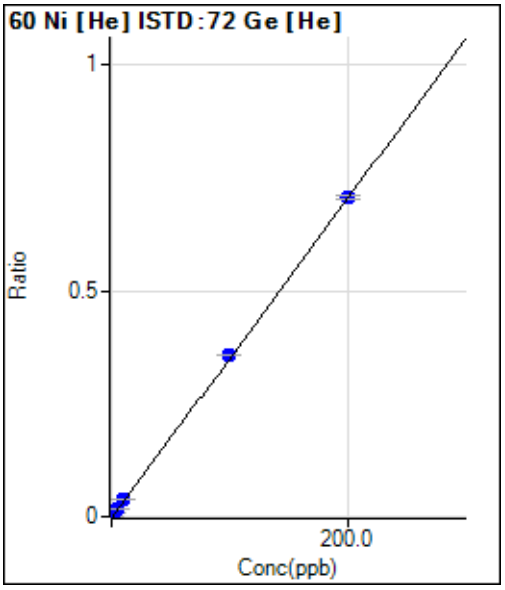
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	890.04	0.0004	P	8.1	
2	☐	2.000	2.045	9823.40	0.0044	P	0.8	2.2
3	☐	5.000	4.859	22283.50	0.0100	P	2.2	-2.8
4	☐	10.000	9.988	44669.90	0.0201	P	2.8	-0.1
5	☐	100.000	101.029	445226.10	0.1997	P	0.3	1.0
6	☐	200.000	199.489	863514.23	0.3940	P	1.6	-0.3
7	☐	1.000						

y = 0.0020 * x + 4.0064E-004
R = 1.0000
DL = 0.04913 ppb
BEC = 0.203 ppb

Weight: <None>
Min Conc: <None>

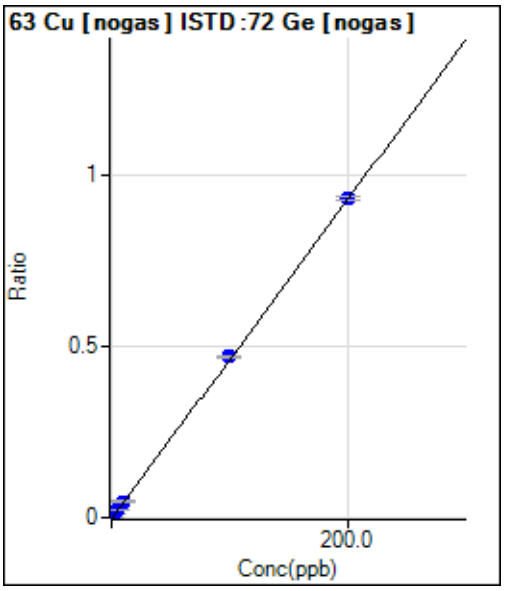


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	300.01	0.0005	P	8.0	
2	☐	2.000	1.933	4640.79	0.0073	P	3.0	-3.4
3	☐	5.000	4.840	11261.09	0.0176	P	3.0	-3.2
4	☐	10.000	10.436	23395.17	0.0374	P	4.5	4.4
5	☐	100.000	100.717	224670.02	0.3568	P	0.3	0.7
6	☐	200.000	199.624	442392.97	0.7066	P	0.9	-0.2
7	☐	1.000						

y = 0.0035 * x + 4.7362E-004
R = 1.0000
DL = 0.03218 ppb
BEC = 0.1339 ppb

Weight: <None>
Min Conc: <None>

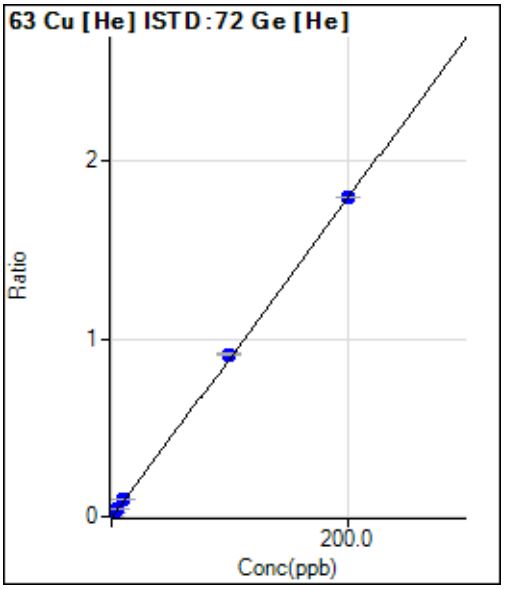
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1503.44	0.0007	P	12.6	
2	☐	2.000	2.065	22877.75	0.0103	P	0.9	3.3
3	☐	5.000	4.842	51990.43	0.0233	P	2.5	-3.2
4	☐	10.000	10.060	105972.35	0.0477	P	1.1	0.6
5	☐	100.000	100.657	1050207.43	0.4712	P	1.7	0.7
6	☐	200.000	199.672	2046788.46	0.9340	P	1.1	-0.2
7	☐	1.000						

y = 0.0047 * x + 6.7584E-004
R = 1.0000
DL = 0.05486 ppb
BEC = 0.1446 ppb

Weight: <None>
Min Conc: <None>

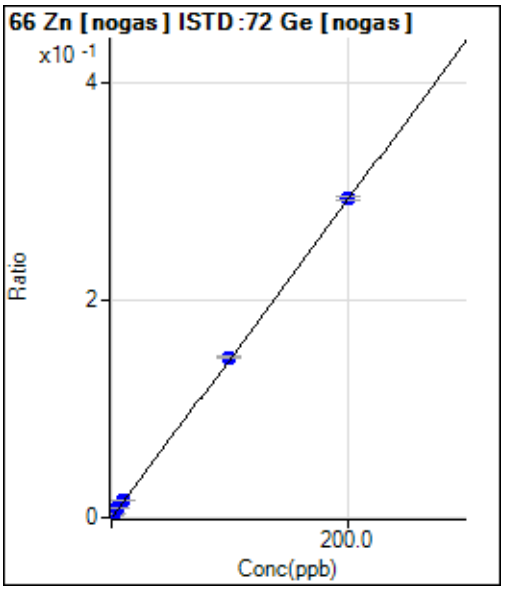


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	620.02	0.0010	P	1.9	
2	☐	2.000	2.007	12081.68	0.0190	P	3.1	0.3
3	☐	5.000	4.937	29061.76	0.0454	P	1.8	-1.3
4	☐	10.000	10.320	58694.59	0.0938	P	0.9	3.2
5	☐	100.000	101.013	572925.49	0.9098	P	1.2	1.0
6	☐	200.000	199.479	1124138.19	1.7956	P	0.2	-0.3
7	☐	1.000						

y = 0.0090 * x + 9.7914E-004
R = 1.0000
DL = 0.00615 ppb
BEC = 0.1088 ppb

Weight: <None>
Min Conc: <None>

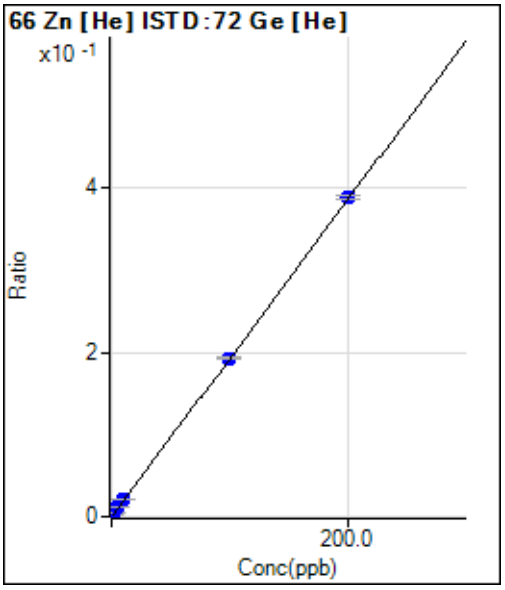
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2493.59	0.0011	P	3.9	
2	☐	2.000	2.001	8966.16	0.0040	P	4.8	0.1
3	☐	5.000	5.206	19479.55	0.0087	P	2.0	4.1
4	☐	10.000	10.093	35278.47	0.0159	P	2.7	0.9
5	☐	100.000	99.941	328175.84	0.1472	P	1.6	-0.1
6	☐	200.000	200.019	643294.56	0.2935	P	0.7	0.0
7	☐	1.000						

y = 0.0015 * x + 0.0011
R = 1.0000
DL = 0.09061 ppb
BEC = 0.7673 ppb

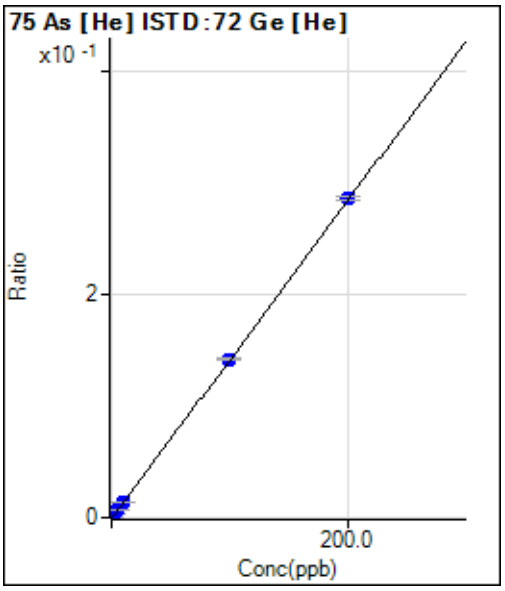
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	983.38	0.0016	P	5.2	
2	☐	2.000	1.987	3423.77	0.0054	P	1.0	-0.6
3	☐	5.000	5.058	7251.88	0.0113	P	4.8	1.2
4	☐	10.000	10.203	13302.80	0.0213	P	2.9	2.0
5	☐	100.000	99.093	121553.67	0.1930	P	0.9	-0.9
6	☐	200.000	200.442	243426.44	0.3888	P	0.7	0.2
7	☐	1.000						

y = 0.0019 * x + 0.0016
R = 1.0000
DL = 0.1266 ppb
BEC = 0.8041 ppb

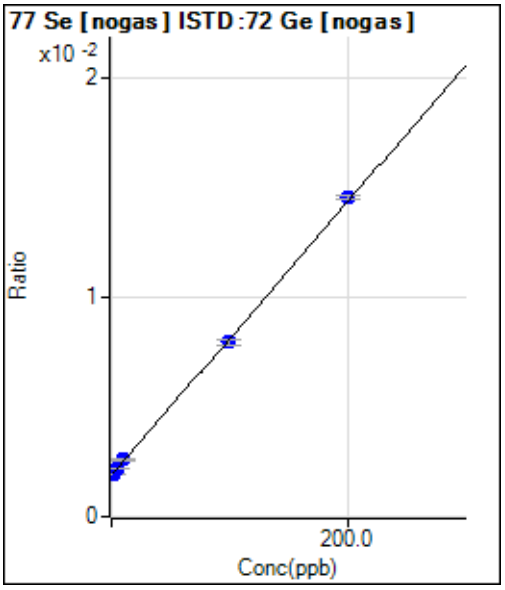
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	174.45	0.0003	P	10.0	
2	☐	2.000	1.969	1959.03	0.0031	P	7.1	-1.5
3	☐	5.000	4.793	4556.28	0.0071	P	1.7	-4.1
4	☐	10.000	9.733	8862.69	0.0142	P	3.5	-2.7
5	☐	100.000	99.084	89227.64	0.1417	P	1.4	-0.9
6	☐	200.000	200.477	179290.51	0.2864	P	1.2	0.2
7	☐	1.000						

y = 0.0014 * x + 2.7542E-004
R = 1.0000
DL = 0.05771 ppb
BEC = 0.193 ppb

Weight: <None>
Min Conc: <None>

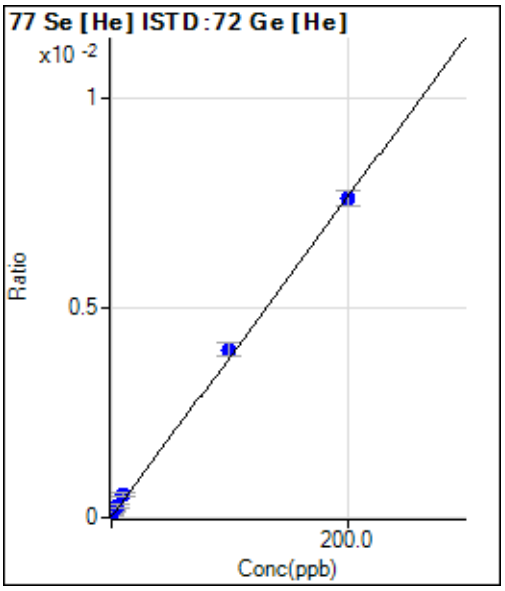


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4390.72	0.0020	P	7.6	
2	☐	2.000	-0.512	4307.39	0.0019	P	1.2	-125.
3	☐	5.000	3.226	4857.54	0.0022	P	1.0	-35.5
4	☐	10.000	10.079	5784.57	0.0026	P	4.2	0.8
5	☐	100.000	95.938	17700.78	0.0079	P	3.5	-4.1
6	☐	200.000	202.097	31871.23	0.0145	P	1.1	1.0
7	☐	1.000						

y = 6.2182E-005 * x + 0.0020
R = 0.9997
DL = 7.232 ppb
BEC = 31.79 ppb

Weight: <None>
Min Conc: <None>

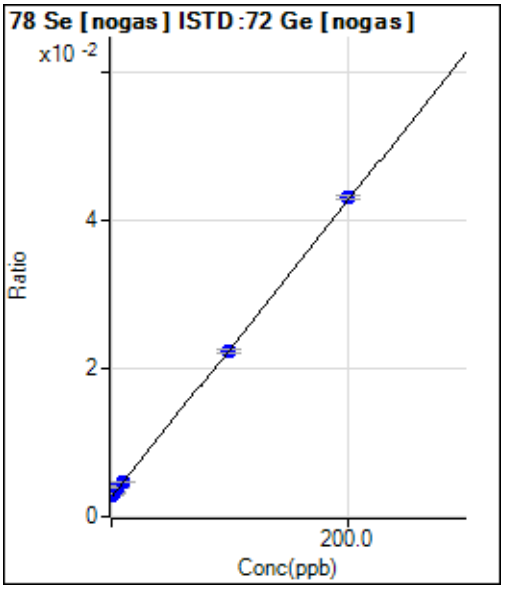
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.67	0.0001	P	41.2	
2	☐	2.000	3.032	110.00	0.0002	P	31.5	51.6
3	☐	5.000	5.724	176.67	0.0003	P	26.2	14.5
4	☐	10.000	12.624	336.68	0.0005	P	12.6	26.2
5	☐	100.000	103.562	2520.28	0.0040	P	7.3	3.6
6	☐	200.000	198.060	4757.52	0.0076	P	4.4	-1.0
7	☐	1.000						

y = 3.8080E-005 * x + 5.7786E-005
R = 0.9998
DL = 1.875 ppb
BEC = 1.517 ppb

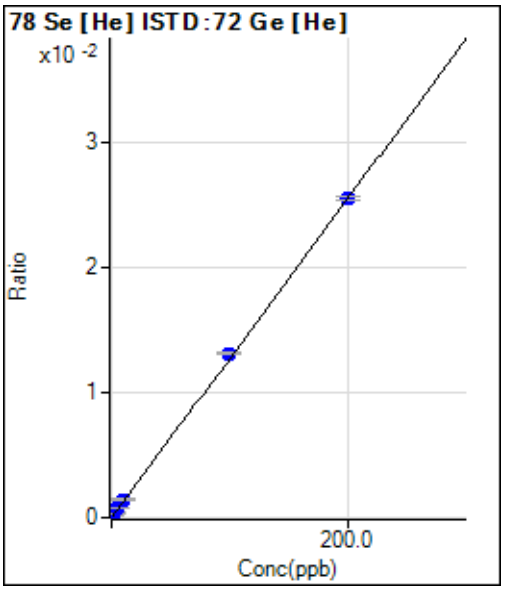
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6444.87	0.0029	P	4.1	
2	☐	2.000	1.505	7088.48	0.0032	P	3.5	-24.7
3	☐	5.000	5.139	8759.43	0.0039	P	6.0	2.8
4	☐	10.000	9.166	10513.90	0.0047	P	2.4	-8.3
5	☐	100.000	97.426	49867.40	0.0224	P	2.2	-2.6
6	☐	200.000	201.330	94540.12	0.0431	P	1.3	0.7
7	☐	1.000						

y = 1.9987E-004 * x + 0.0029
R = 0.9999
DL = 1.779 ppb
BEC = 14.51 ppb

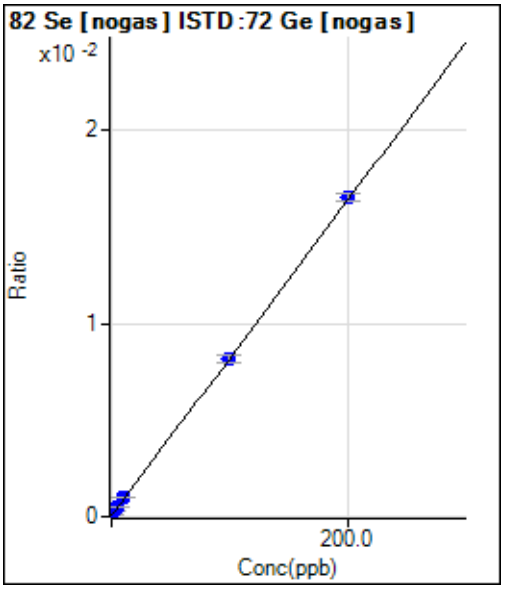
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	76.00	0.0001	P	10.0	
2	☐	2.000	1.999	238.00	0.0004	P	10.7	-0.1
3	☐	5.000	5.155	497.34	0.0008	P	6.1	3.1
4	☐	10.000	10.280	895.36	0.0014	P	5.5	2.8
5	☐	100.000	101.665	8237.63	0.0131	P	1.4	1.7
6	☐	200.000	199.150	15969.91	0.0255	P	0.8	-0.4
7	☐	1.000						

y = 1.2749E-004 * x + 1.2008E-004
R = 1.0000
DL = 0.2831 ppb
BEC = 0.9419 ppb

Weight: <None>
Min Conc: <None>

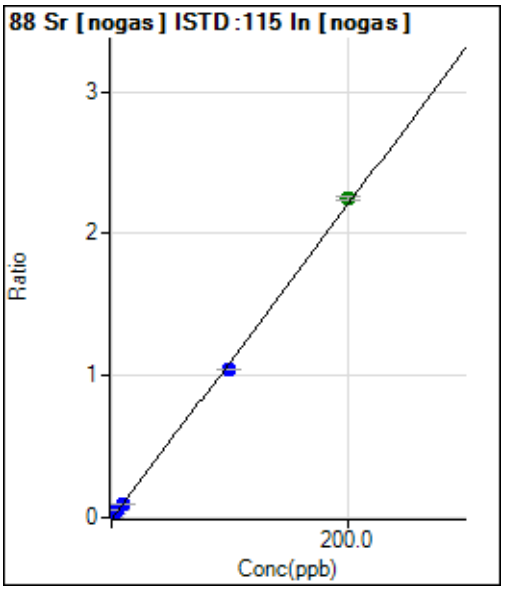


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	300.01	0.0001	P	14.2	
2	☐	2.000	2.313	716.70	0.0003	P	7.1	15.6
3	☐	5.000	4.443	1110.07	0.0005	P	3.4	-11.1
4	☐	10.000	10.332	2173.54	0.0010	P	6.0	3.3
5	☐	100.000	98.454	18211.43	0.0082	P	4.3	-1.5
6	☐	200.000	200.767	36211.28	0.0165	P	2.7	0.4
7	☐	1.000						

y = 8.1627E-005 * x + 1.3485E-004
R = 0.9999
DL = 0.7031 ppb
BEC = 1.652 ppb

Weight: <None>
Min Conc: <None>

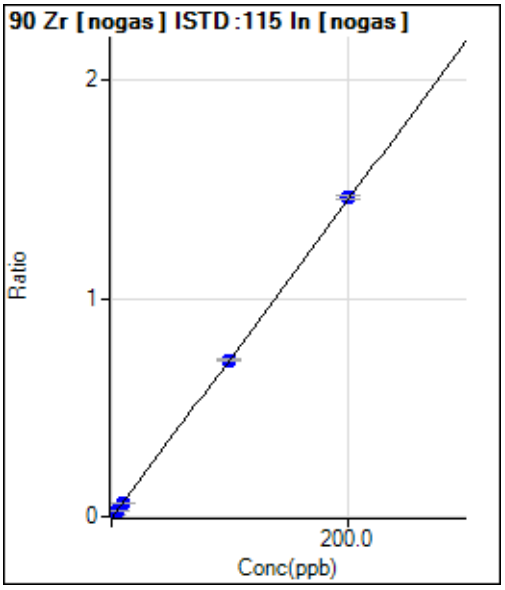
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1680.13	0.0007	P	6.8	
2	☐	2.000	1.844	52182.56	0.0211	P	0.8	-7.8
3	☐	5.000	4.404	123584.92	0.0495	P	1.0	-11.9
4	☐	10.000	9.038	250970.03	0.1008	P	1.1	-9.6
5	☐	100.000	93.986	2582309.70	1.0420	P	0.4	-6.0
6	☐	200.000	203.071	5438029.92	2.2507	A	1.8	1.5
7	☐	1.000						

y = 0.0111 * x + 6.7558E-004
R = 0.9994
DL = 0.0124 ppb
BEC = 0.06097 ppb

Weight: <None>
Min Conc: <None>

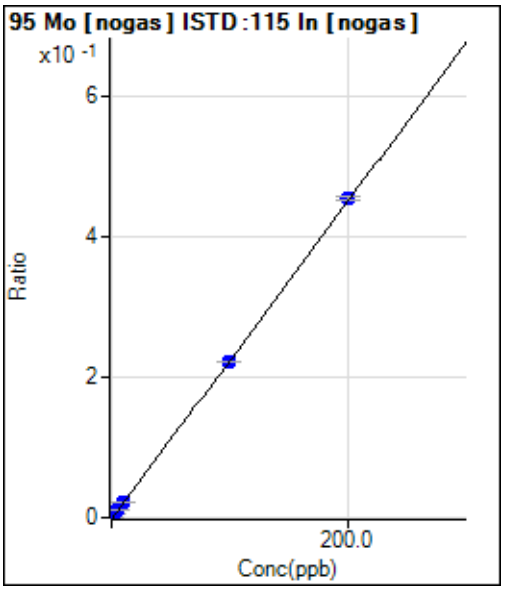


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1213.41	0.0005	P	9.2	
2	☐	2.000	1.375	25949.85	0.0105	P	3.3	-31.3
3	☐	5.000	3.907	72267.48	0.0289	P	1.3	-21.9
4	☐	10.000	8.811	160915.75	0.0646	P	2.6	-11.9
5	☐	100.000	98.419	1776879.03	0.7170	P	0.7	-1.6
6	☐	200.000	200.883	3535339.11	1.4630	P	0.7	0.4
7	☐	1.000						

y = 0.0073 * x + 4.8773E-004
R = 1.0000
DL = 0.01849 ppb
BEC = 0.06699 ppb

Weight: <None>
Min Conc: <None>

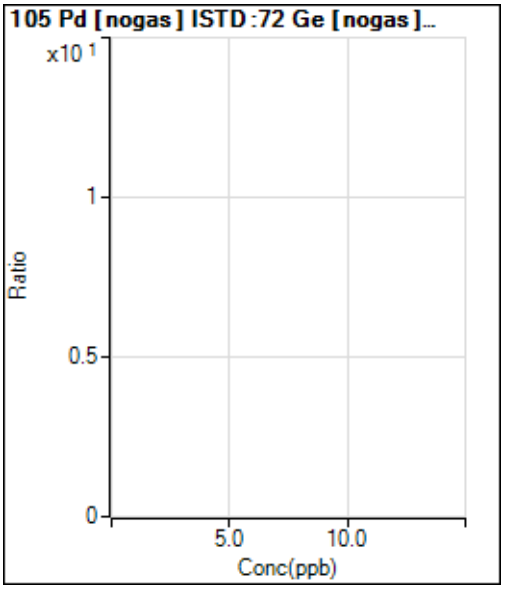
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	246.68	0.0001	P	5.9	
2	☐	2.000	1.891	10827.51	0.0044	P	3.5	-5.5
3	☐	5.000	4.613	26347.39	0.0105	P	1.8	-7.7
4	☐	10.000	9.388	53180.06	0.0214	P	1.5	-6.1
5	☐	100.000	98.025	550458.44	0.2221	P	0.8	-2.0
6	☐	200.000	201.029	1100549.59	0.4554	P	1.5	0.5
7	☐	1.000						

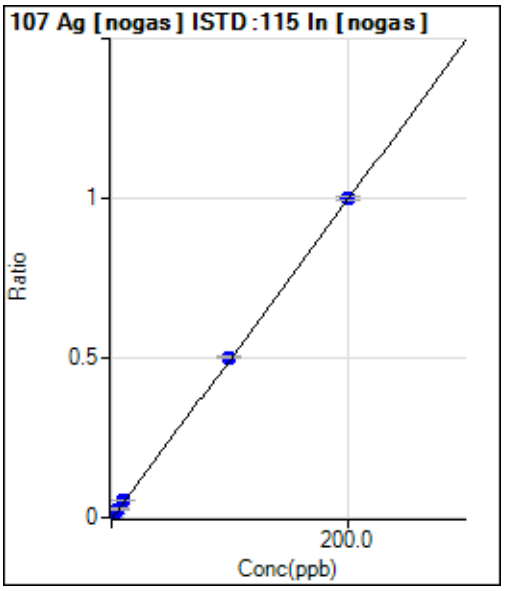
y = 0.0023 * x + 9.9160E-005
R = 0.9999
DL = 0.007706 ppb
BEC = 0.04378 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

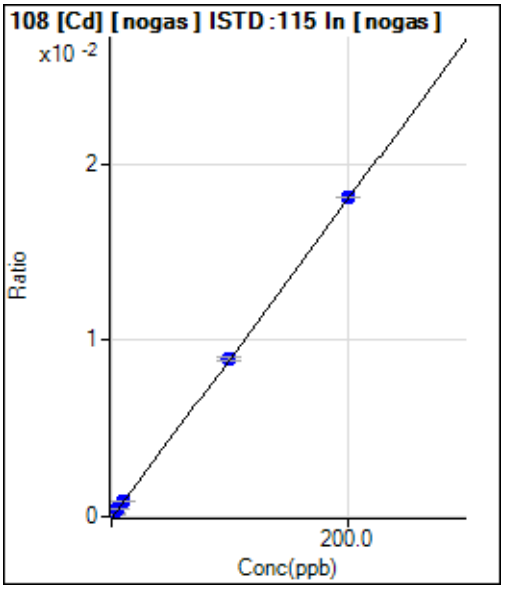
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.33	0.0000	P	33.6	
2	☐	2.000	2.247	27897.08	0.0113	P	0.4	12.3
3	☐	5.000	5.391	67503.10	0.0270	P	1.1	7.8
4	☐	10.000	11.052	137794.48	0.0554	P	1.3	10.5
5	☐	100.000	100.049	1241108.58	0.5008	P	1.1	0.0
6	☐	200.000	199.911	2417802.31	1.0006	P	1.6	0.0
7	☐	1.000						

y = 0.0050 * x + 4.1506E-005
R = 1.0000
DL = 0.008348 ppb
BEC = 0.008293 ppb

Weight: <None>
Min Conc: <None>

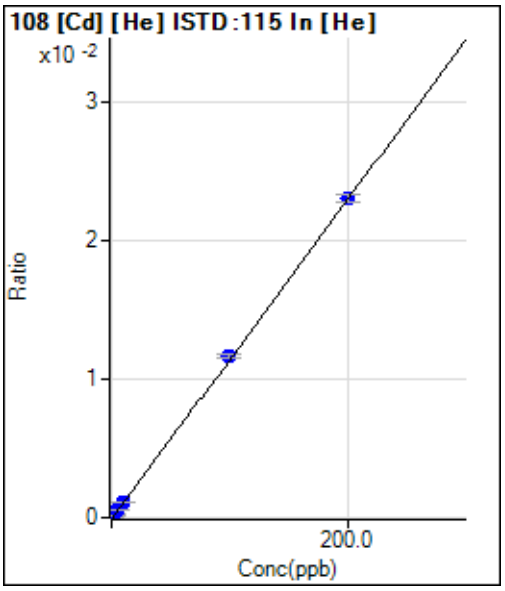


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	1.905	426.68	0.0002	P	18.8	-4.8
3	☐	5.000	4.750	1073.39	0.0004	P	7.4	-5.0
4	☐	10.000	9.885	2226.88	0.0009	P	6.5	-1.2
5	☐	100.000	99.291	22263.97	0.0090	P	2.7	-0.7
6	☐	200.000	200.368	43809.72	0.0181	P	0.6	0.2
7	☐	1.000						

y = 9.0480E-005 * x + 0.0000E+000
R = 1.0000
DL = 0 ppb
BEC = 0 ppb

Weight: <None>
Min Conc: <None>

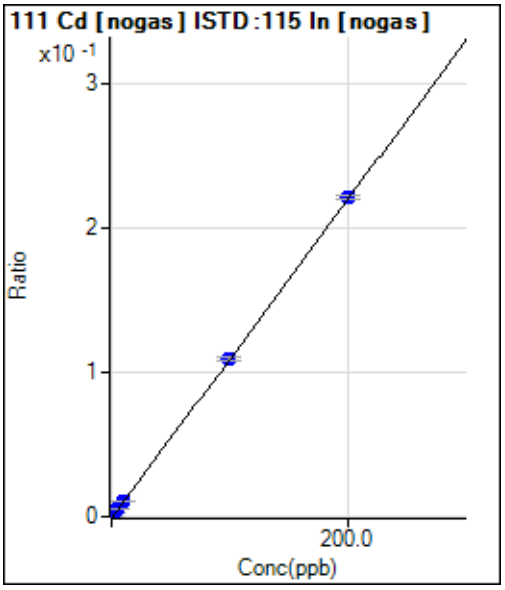
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	1.894	200.01	0.0002	P	34.7	-5.3
3	☐	5.000	4.717	490.02	0.0005	P	16.5	-5.7
4	☐	10.000	9.829	1006.72	0.0011	P	4.3	-1.7
5	☐	100.000	100.592	10203.73	0.0116	P	2.6	0.6
6	☐	200.000	199.721	19917.23	0.0231	P	2.8	-0.1
7	☐	1.000						

y = 1.1541E-004 * x + 3.7167E-006
R = 1.0000
DL = 0.1673 ppb
BEC = 0.0322 ppb

Weight: <None>
Min Conc: <None>

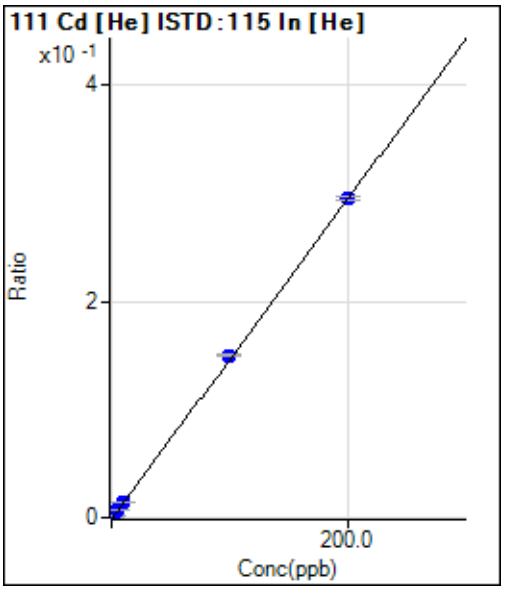


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	1.984	5423.47	0.0022	P	2.6	-0.8
3	☐	5.000	4.626	12775.13	0.0051	P	6.2	-7.5
4	☐	10.000	9.596	26399.63	0.0106	P	1.6	-4.0
5	☐	100.000	99.281	271909.56	0.1097	P	1.8	-0.7
6	☐	200.000	200.389	535223.69	0.2215	P	1.3	0.2
7	☐	1.000						

y = 0.0011 * x + 1.3438E-006
R = 1.0000
DL = 0.006318 ppb
BEC = 0.001216 ppb

Weight: <None>
Min Conc: <None>

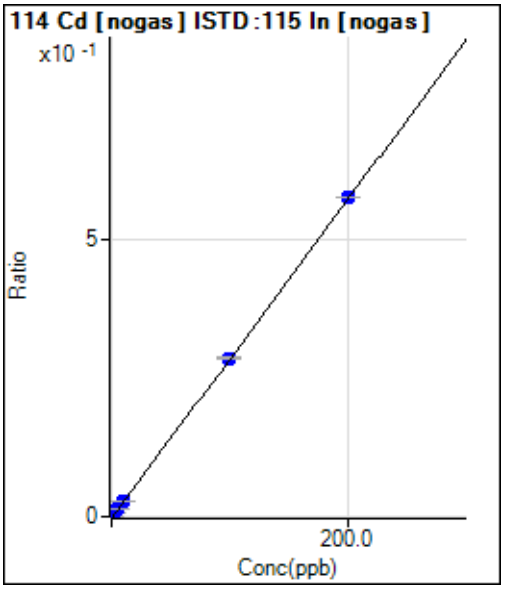
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-3.58	0.0000	P	-173.2	
2	☐	2.000	1.757	2335.67	0.0026	P	0.9	-12.2
3	☐	5.000	4.791	6345.93	0.0071	P	1.5	-4.2
4	☐	10.000	10.008	13116.98	0.0148	P	3.0	0.1
5	☐	100.000	101.132	131663.40	0.1499	P	0.8	1.1
6	☐	200.000	199.441	255317.82	0.2955	P	0.8	-0.3
7	☐	1.000						

y = 0.0015 * x - 3.9880E-006
R = 1.0000
DL = 0.01398 ppb
BEC = -0.002691 ppb

Weight: <None>
Min Conc: <None>

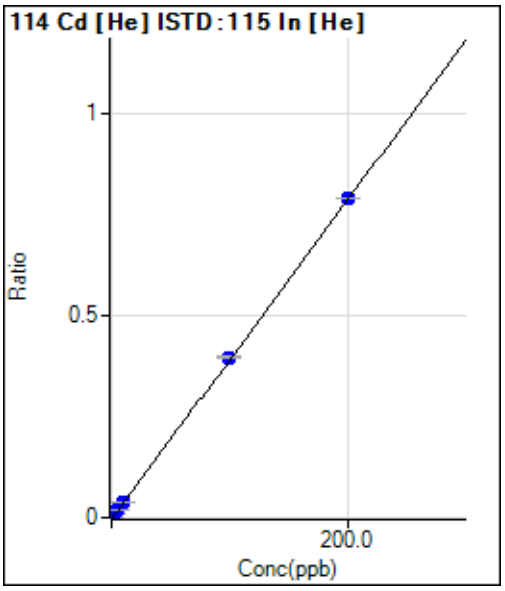


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0000	P	11.1	
2	☐	2.000	2.035	14547.58	0.0059	P	4.9	1.8
3	☐	5.000	4.615	33275.30	0.0133	P	0.6	-7.7
4	☐	10.000	9.751	70006.02	0.0281	P	0.5	-2.5
5	☐	100.000	99.278	709127.20	0.2861	P	1.2	-0.7
6	☐	200.000	200.383	1395668.57	0.5775	P	0.4	0.2
7	☐	1.000						

y = 0.0029 * x + 2.1446E-005
R = 1.0000
DL = 0.002475 ppb
BEC = 0.007441 ppb

Weight: <None>
Min Conc: <None>

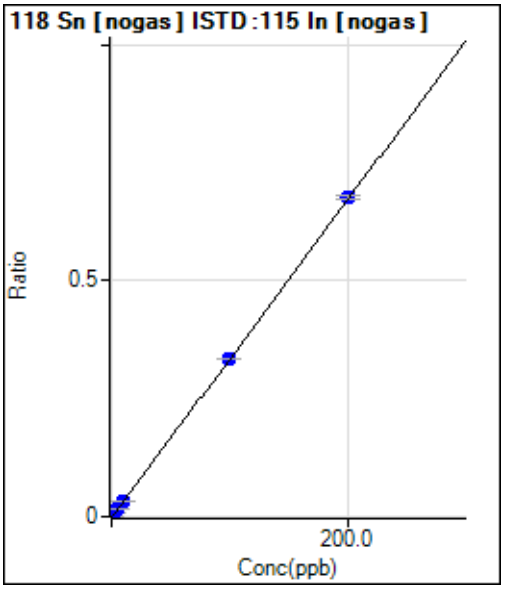
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	88.9	
2	☐	2.000	1.992	7091.88	0.0079	P	2.9	-0.4
3	☐	5.000	4.585	16212.64	0.0181	P	1.5	-8.3
4	☐	10.000	9.735	34023.76	0.0385	P	3.0	-2.7
5	☐	100.000	100.293	347967.26	0.3960	P	0.6	0.3
6	☐	200.000	199.877	681849.00	0.7892	P	0.1	-0.1
7	☐	1.000						

y = 0.0039 * x + 2.6237E-005
R = 1.0000
DL = 0.01772 ppb
BEC = 0.006645 ppb

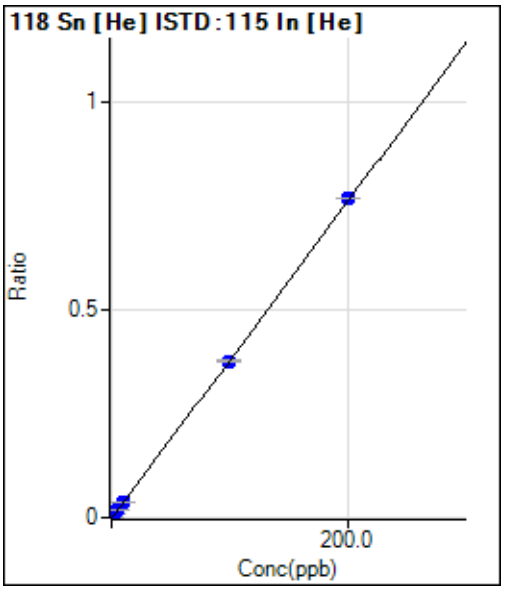
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2473.59	0.0010	P	3.4	
2	☐	2.000	1.898	18275.15	0.0074	P	1.1	-5.1
3	☐	5.000	4.635	41533.49	0.0166	P	2.1	-7.3
4	☐	10.000	9.468	81965.50	0.0329	P	2.5	-5.3
5	☐	100.000	99.064	830398.84	0.3351	P	0.7	-0.9
6	☐	200.000	200.505	1636254.30	0.6772	P	1.5	0.3
7	☐	1.000						

y = 0.0034 * x + 9.9443E-004
R = 1.0000
DL = 0.0304 ppb
BEC = 0.2949 ppb

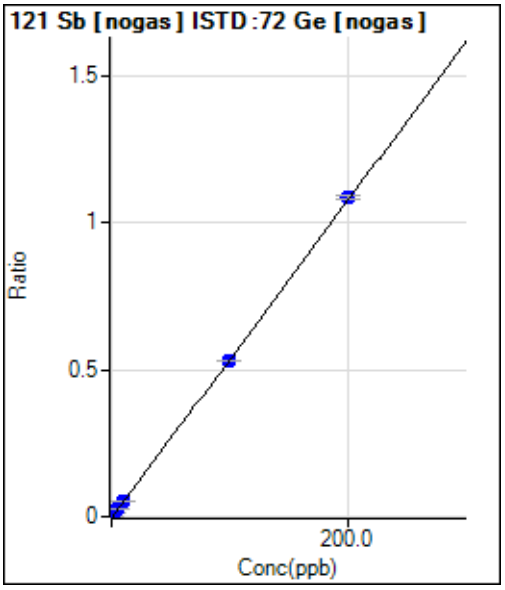
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1070.06	0.0012	P	17.3	
2	☐	2.000	1.767	7155.23	0.0080	P	2.0	-11.6
3	☐	5.000	4.540	16593.16	0.0186	P	3.0	-9.2
4	☐	10.000	9.389	32804.34	0.0371	P	2.3	-6.1
5	☐	100.000	98.148	330509.14	0.3761	P	1.0	-1.9
6	☐	200.000	200.970	664315.88	0.7689	P	0.3	0.5
7	☐	1.000						

y = 0.0038 * x + 0.0012
R = 0.9999
DL = 0.1648 ppb
BEC = 0.3172 ppb

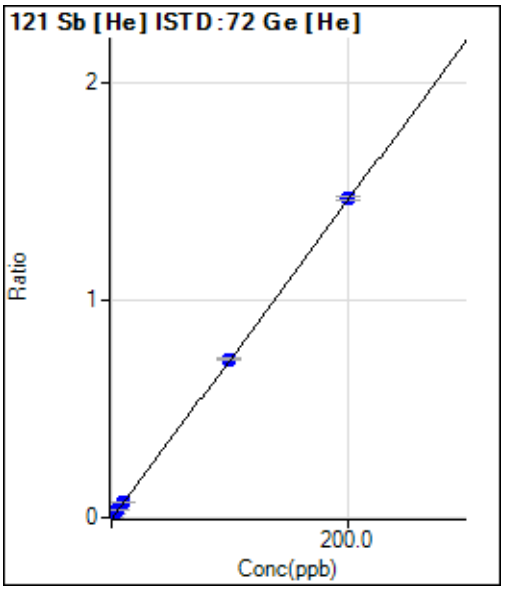
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1003.39	0.0005	P	14.5	
2	☐	2.000	1.891	23643.03	0.0107	P	3.5	-5.5
3	☐	5.000	4.585	56316.94	0.0252	P	0.3	-8.3
4	☐	10.000	9.468	114770.29	0.0517	P	0.8	-5.3
5	☐	100.000	98.013	1182461.91	0.5305	P	0.4	-2.0
6	☐	200.000	201.032	2383498.56	1.0876	P	1.2	0.5
7	☐	1.000						

y = 0.0054 * x + 4.5165E-004
R = 0.9999
DL = 0.03641 ppb
BEC = 0.08352 ppb

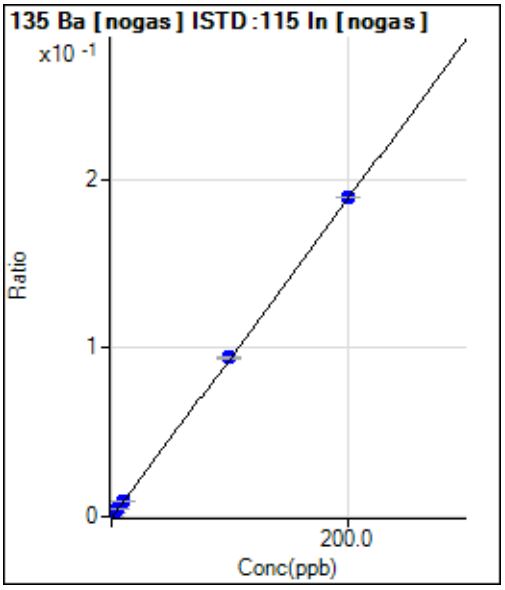
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	463.35	0.0007	P	27.4	
2	☐	2.000	1.925	9413.21	0.0148	P	0.6	-3.8
3	☐	5.000	4.496	21546.37	0.0337	P	0.8	-10.1
4	☐	10.000	9.585	44355.11	0.0709	P	2.7	-4.2
5	☐	100.000	99.357	458594.40	0.7282	P	1.5	-0.6
6	☐	200.000	200.356	918873.58	1.4678	P	0.8	0.2
7	☐	1.000						

y = 0.0073 * x + 7.3241E-004
R = 1.0000
DL = 0.08227 ppb
BEC = 0.1 ppb

Weight: <None>
Min Conc: <None>

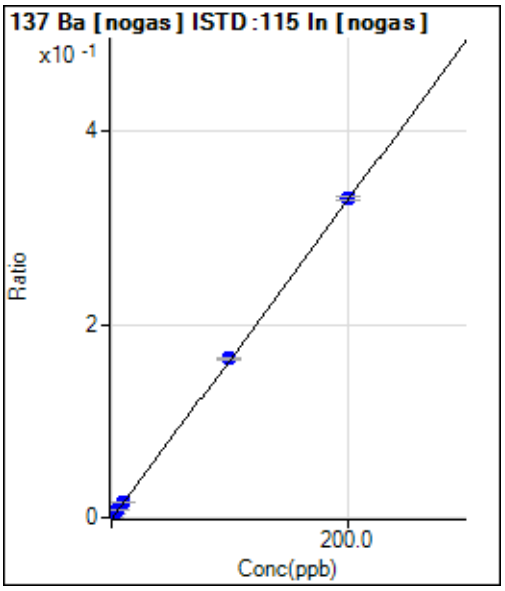


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	283.34	0.0001	P	11.2	
2	☐	2.000	1.925	4784.24	0.0019	P	3.8	-3.7
3	☐	5.000	4.626	11221.25	0.0045	P	5.1	-7.5
4	☐	10.000	9.583	22862.00	0.0092	P	1.7	-4.2
5	☐	100.000	99.728	234180.56	0.0945	P	0.8	-0.3
6	☐	200.000	200.167	458059.88	0.1896	P	0.3	0.1
7	☐	1.000						

y = 9.4640E-004 * x + 1.1395E-004
R = 1.0000
DL = 0.04042 ppb
BEC = 0.1204 ppb

Weight: <None>
Min Conc: <None>

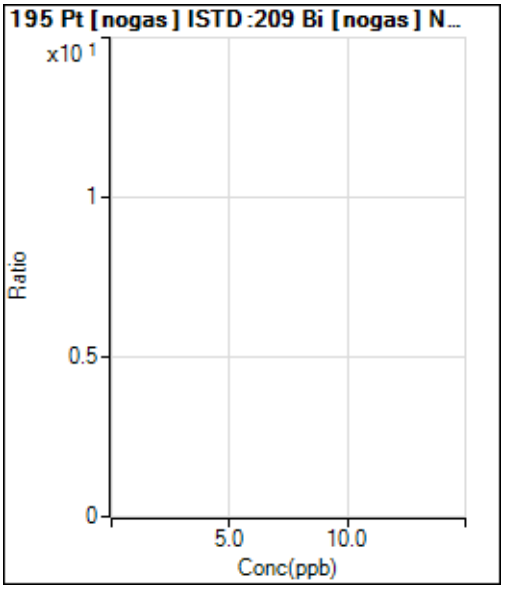
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	426.68	0.0002	P	12.5	
2	☐	2.000	2.044	8759.53	0.0035	P	4.4	2.2
3	☐	5.000	4.710	19844.13	0.0079	P	1.4	-5.8
4	☐	10.000	9.558	39695.72	0.0159	P	2.9	-4.4
5	☐	100.000	99.559	407610.66	0.1645	P	1.8	-0.4
6	☐	200.000	200.250	799042.54	0.3306	P	0.9	0.1
7	☐	1.000						

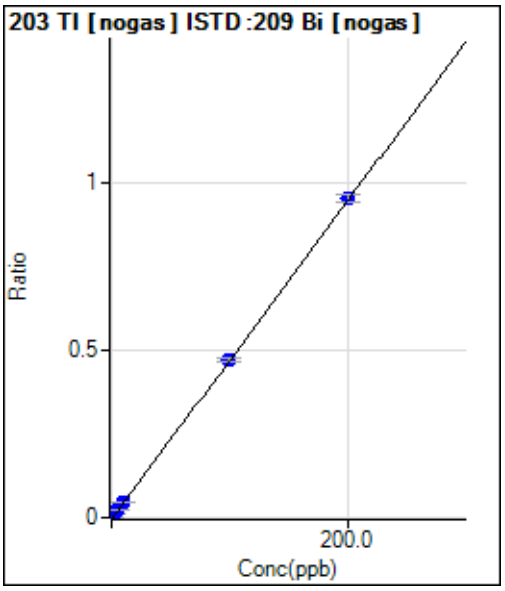
y = 0.0017 * x + 1.7149E-004
R = 1.0000
DL = 0.03906 ppb
BEC = 0.1039 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

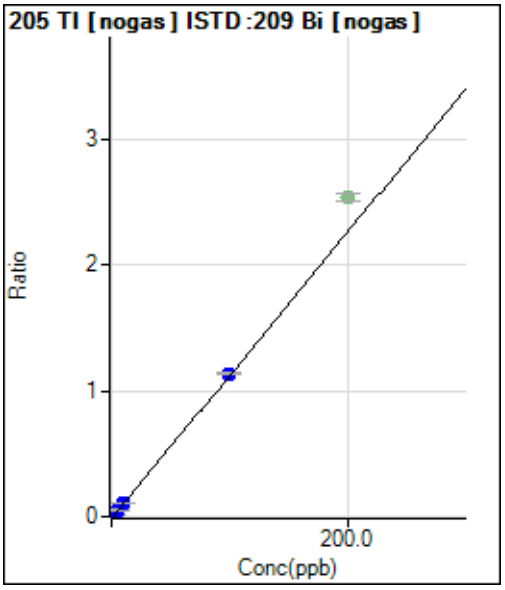
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0000	P	27.4	
2	☐	2.000	1.920	21206.71	0.0092	P	1.2	-4.0
3	☐	5.000	4.591	51035.50	0.0219	P	3.4	-8.2
4	☐	10.000	9.532	106233.69	0.0454	P	1.9	-4.7
5	☐	100.000	98.965	1091693.29	0.4706	P	1.6	-1.0
6	☐	200.000	200.552	2144746.27	0.9537	P	2.5	0.3
7	☐	1.000						

y = 0.0048 * x + 4.0501E-005
R = 1.0000
DL = 0.006994 ppb
BEC = 0.008518 ppb

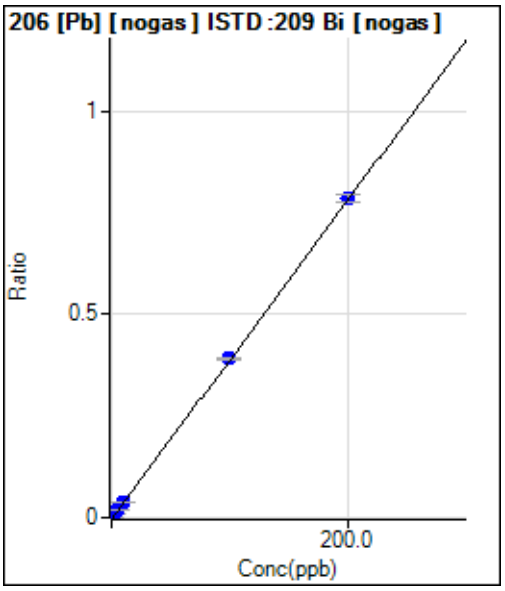
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	163.34	0.0001	P	49.6	
2	☐	2.000	1.926	50881.91	0.0220	P	4.8	-3.7
3	☐	5.000	4.678	124578.33	0.0534	P	3.4	-6.4
4	☐	10.000	9.569	255543.50	0.1091	P	3.2	-4.3
5	☐	100.000	100.061	2645703.71	1.1406	P	2.0	0.1
6	☑	200.000		5719008.87	2.5429	A	2.3	
7	☐	1.000						

y = 0.0114 * x + 7.0500E-005
R = 1.0000
DL = 0.009204 ppb
BEC = 0.006185 ppb

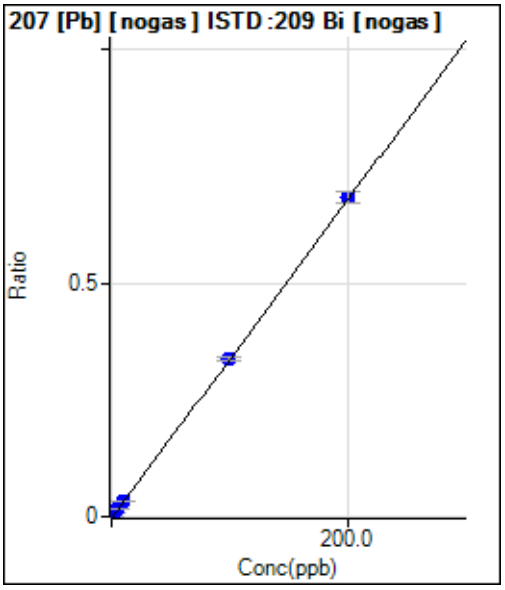
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	243.34	0.0001	P	7.9	
2	☐	2.000	1.921	17688.45	0.0076	P	2.6	-3.9
3	☐	5.000	4.740	43670.18	0.0187	P	4.4	-5.2
4	☐	10.000	9.734	89754.29	0.0383	P	1.2	-2.7
5	☐	100.000	99.660	907964.13	0.3914	P	1.5	-0.3
6	☐	200.000	200.191	1768067.68	0.7862	P	2.7	0.1
7	☐	1.000						

y = 0.0039 * x + 1.0545E-004
R = 1.0000
DL = 0.006393 ppb
BEC = 0.02686 ppb

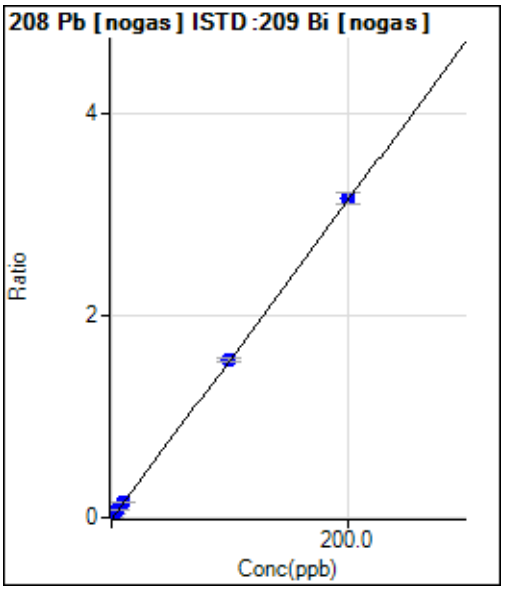
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	193.34	0.0001	P	5.4	
2	☐	2.000	1.898	15148.60	0.0066	P	6.6	-5.1
3	☐	5.000	4.546	36372.21	0.0156	P	3.7	-9.1
4	☐	10.000	9.496	76041.57	0.0325	P	3.0	-5.0
5	☐	100.000	98.872	782448.01	0.3373	P	1.7	-1.1
6	☐	200.000	200.601	1538915.08	0.6843	P	3.4	0.3
7	☐	1.000						

y = 0.0034 * x + 8.3808E-005
R = 1.0000
DL = 0.003992 ppb
BEC = 0.02457 ppb

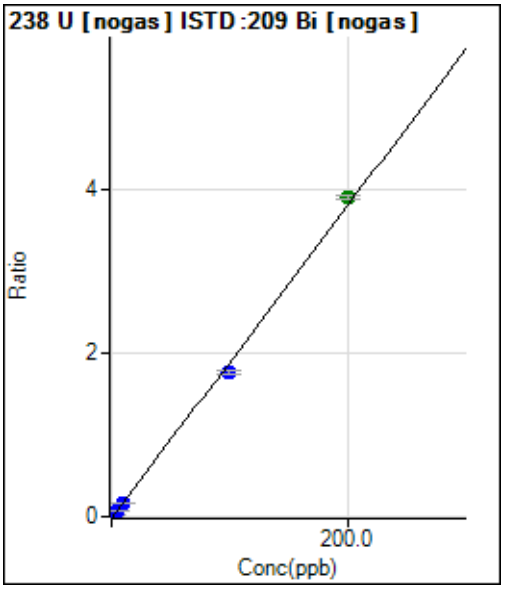
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Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	873.37	0.0004	P	5.8	
2	☐	2.000	1.915	70780.19	0.0306	P	4.6	-4.2
3	☐	5.000	4.616	170987.85	0.0733	P	3.7	-7.7
4	☐	10.000	9.553	354195.73	0.1513	P	2.3	-4.5
5	☐	100.000	99.132	3632817.52	1.5661	P	1.9	-0.9
6	☐	200.000	200.467	7121595.52	3.1666	P	3.2	0.2
7	☐	1.000						

y = 0.0158 * x + 3.7848E-004
R = 1.0000
DL = 0.004161 ppb
BEC = 0.02396 ppb

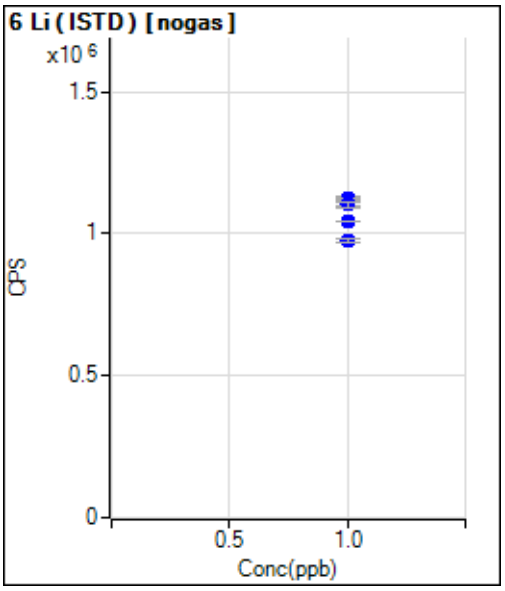
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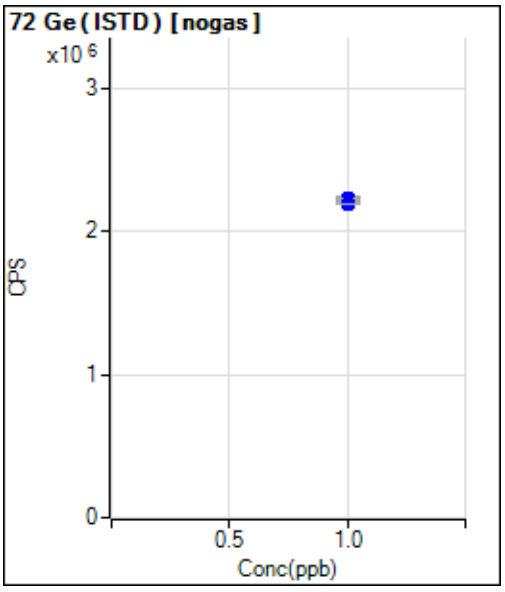
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	363.34	0.0002	P	20.1	
2	☐	2.000	1.743	77262.82	0.0334	P	5.4	-12.9
3	☐	5.000	4.186	186933.62	0.0801	P	2.9	-16.3
4	☐	10.000	8.594	384672.94	0.1643	P	1.4	-14.1
5	☐	100.000	91.817	4067539.52	1.7535	P	2.4	-8.2
6	☐	200.000	204.185	8770936.74	3.8994	A	0.7	2.1
7	☐	1.000						

y = 0.0191 * x + 1.5824E-004
R = 0.9989
DL = 0.005007 ppb
BEC = 0.008286 ppb

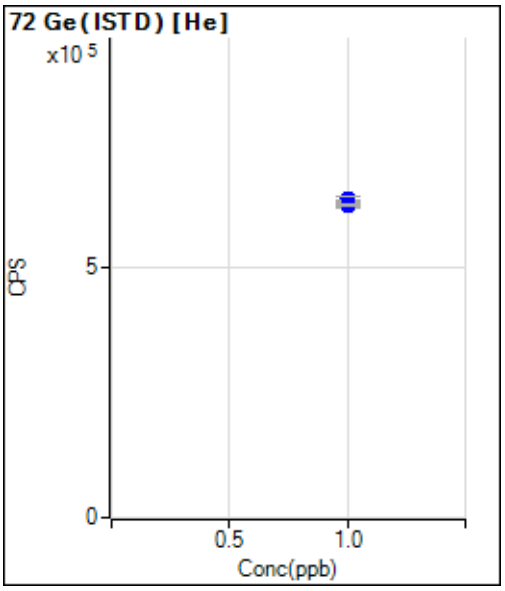
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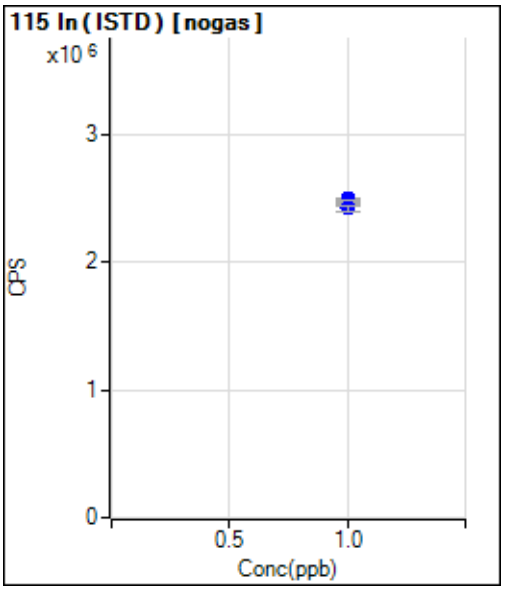
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1125226.07		P	0.8	
2	☐	1.000		1118916.05		P	0.6	
3	☐	1.000		1105343.47		P	0.8	
4	☐	1.000		1104237.37		P	1.8	
5	☐	1.000		1045724.49		P	0.2	
6	☐	1.000		975026.13		P	1.2	
7	☐	1.000						



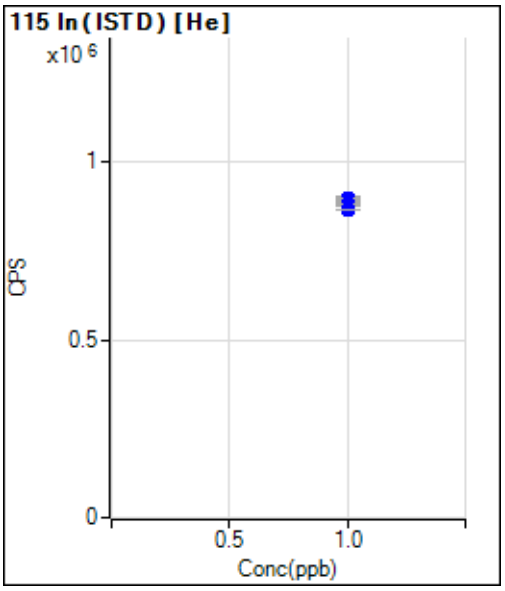
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2222434.71		P	1.2	
2	☐	1.000		2214779.39		P	0.7	
3	☐	1.000		2230836.63		P	1.2	
4	☐	1.000		2221965.18		P	1.4	
5	☐	1.000		2228956.37		P	0.6	
6	☐	1.000		2191471.79		P	0.3	
7	☐	1.000						



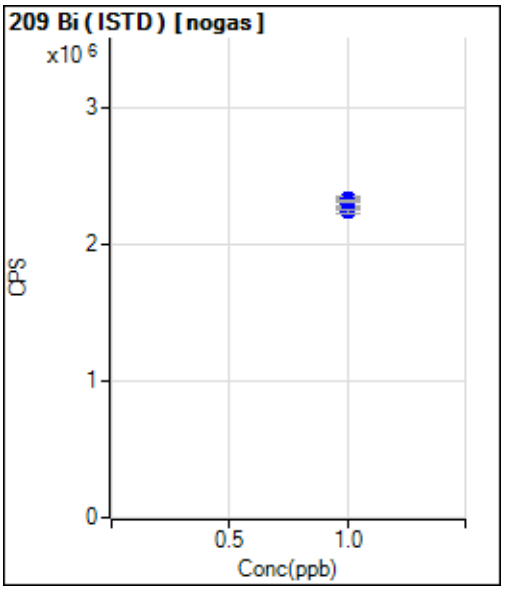
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		633161.91		P	1.0	
2	☐	1.000		634847.59		P	0.2	
3	☐	1.000		640223.40		P	1.4	
4	☐	1.000		625594.42		P	1.2	
5	☐	1.000		629744.72		P	0.3	
6	☐	1.000		626039.09		P	0.2	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2487358.46		P	0.5	
2	☐	1.000		2471900.52		P	1.2	
3	☐	1.000		2497859.23		P	0.5	
4	☐	1.000		2489183.28		P	0.9	
5	☐	1.000		2478221.04		P	0.8	
6	☐	1.000		2416582.25		P	1.4	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		884304.36		P	1.2	
2	☐	1.000		898541.86		P	0.8	
3	☐	1.000		894364.17		P	0.5	
4	☐	1.000		884640.49		P	0.5	
5	☐	1.000		878641.58		P	0.5	
6	☐	1.000		863935.79		P	0.1	
7	☐	1.000						



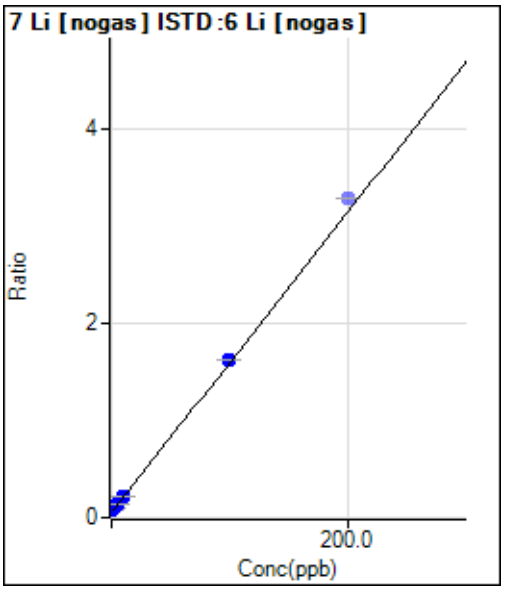
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2305145.54		P	3.0	
2	☐	1.000		2312630.49		P	2.6	
3	☐	1.000		2334614.86		P	2.1	
4	☐	1.000		2342063.82		P	1.4	
5	☐	1.000		2319777.26		P	0.6	
6	☐	1.000		2249351.11		P	1.3	
7	☐	1.000						

Calibration for 112_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070424A.b\
Analysis File: 070424A.batch.bin
DA Date-Time: 7/4/2024 9:09:53 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	105CALB.d	CAL BLK	7/4/2024 1:34:28 PM
2	106CALS.d	2/10/200	7/4/2024 1:36:36 PM
3	107CALS.d	5/25/500	7/4/2024 1:38:42 PM
4	108CALS.d	10/50/1000	7/4/2024 1:40:49 PM
5	109CALS.d	100/500/10K	7/4/2024 1:42:56 PM
6	110CALS.d	200/1000/20K	7/4/2024 1:45:01 PM
7			

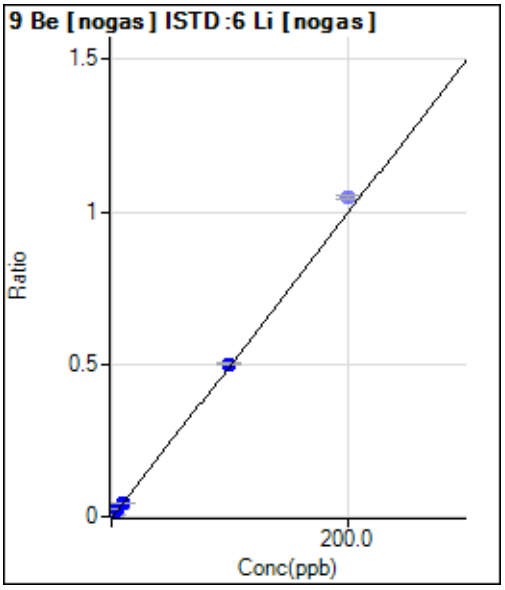
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	97483.65	0.0712	P	1.1	
2	☐	2.000	1.867	135882.28	0.1000	P	0.7	-6.6
3	☐	5.000	4.606	191377.04	0.1422	P	1.0	-7.9
4	☐	10.000	9.386	289781.91	0.2158	P	0.6	-6.1
5	☐	100.000	100.084	2036819.40	1.6134	P	0.2	0.1
6	☑	200.000		3818887.03	3.2807	P	0.3	
7	☐	1.000						

y = 0.0154 * x + 0.0712
R = 1.0000
DL = 0.1514 ppb
BEC = 4.619 ppb

Weight: <None>
Min Conc: <None>

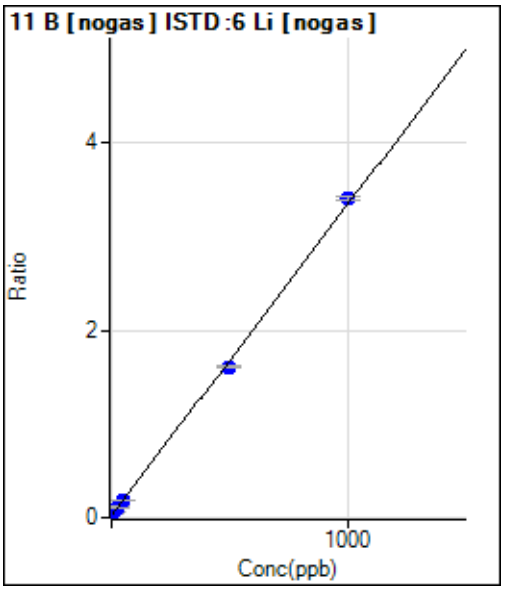


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	48.33	0.0000	P	31.6	
2	☐	2.000	1.848	12616.84	0.0093	P	1.9	-7.6
3	☐	5.000	4.475	30199.28	0.0224	P	1.6	-10.5
4	☐	10.000	9.307	62586.75	0.0466	P	0.4	-6.9
5	☐	100.000	100.099	632428.08	0.5010	P	0.5	0.1
6	☑	200.000		1220021.00	1.0481	P	0.8	
7	☐	1.000						

y = 0.0050 * x + 3.5279E-005
R = 1.0000
DL = 0.006681 ppb
BEC = 0.00705 ppb

Weight: <None>
Min Conc: <None>

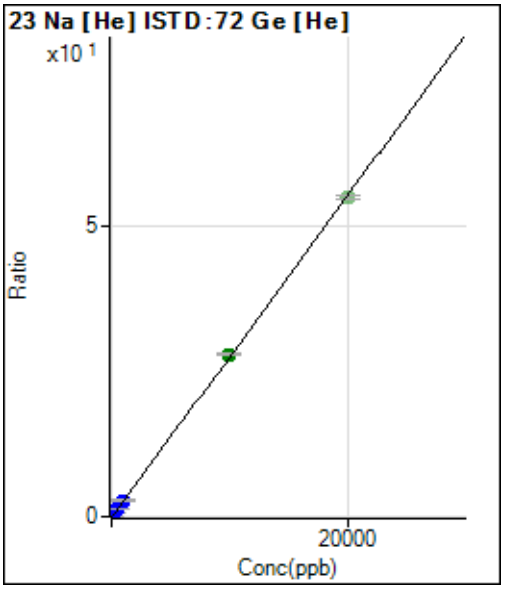
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	58365.83	0.0426	P	0.4	
2	☐	10.000	8.658	97004.83	0.0714	P	0.6	-13.4
3	☐	25.000	21.065	151523.51	0.1125	P	0.9	-15.7
4	☐	50.000	44.039	253538.51	0.1888	P	0.7	-11.9
5	☐	500.000	471.364	2029285.28	1.6074	P	1.6	-5.7
6	☐	1000.000	1014.728	3970870.88	3.4113	P	1.2	1.5
7	☐	5.000						

y = 0.0033 * x + 0.0426
R = 0.9995
DL = 0.172 ppb
BEC = 12.84 ppb

Weight: <None>
Min Conc: <None>

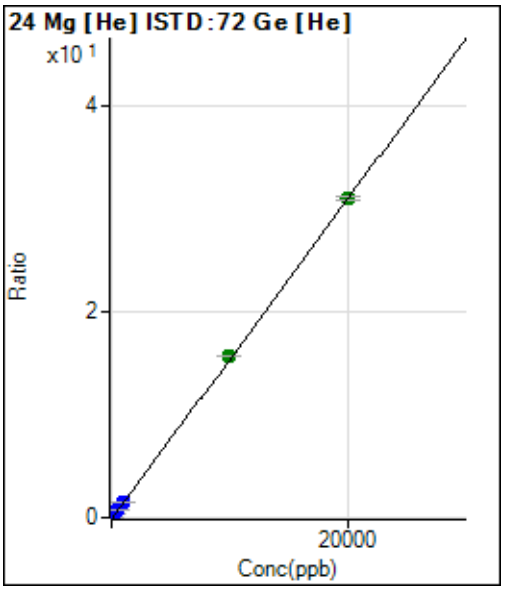


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66546.67	0.1042	P	0.9	
2	☐	200.000	194.054	419109.14	0.6419	P	0.4	-3.0
3	☐	500.000	474.805	924727.05	1.4198	P	0.8	-5.0
4	☐	1000.000	975.056	1802470.70	2.8060	P	1.1	-2.5
5	☐	10000.00	10003.87	17831388.07	27.8239	A	1.0	0.0
6	☑	20000.00		34445403.65	54.9064	A	0.6	
7	☐	100.000						

y = 0.0028 * x + 0.1042
R = 1.0000
DL = 0.9817 ppb
BEC = 37.6 ppb

Weight: <None>
Min Conc: <None>

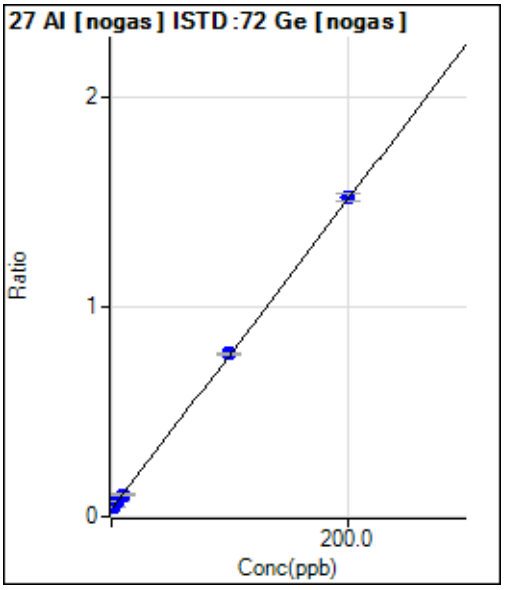
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1816.82	0.0028	P	5.1	
2	☐	200.000	197.077	202180.67	0.3097	P	1.9	-1.5
3	☐	500.000	472.763	481216.33	0.7389	P	1.8	-5.4
4	☐	1000.000	979.513	981400.51	1.5278	P	1.4	-2.0
5	☐	10000.00	10122.64	10100786.51	15.7622	A	0.4	1.2
6	☐	20000.00	19940.41	19477114.29	31.0469	A	0.7	-0.3
7	☐	100.000						

y = 0.0016 * x + 0.0028
R = 1.0000
DL = 0.28 ppb
BEC = 1.828 ppb

Weight: <None>
Min Conc: <None>

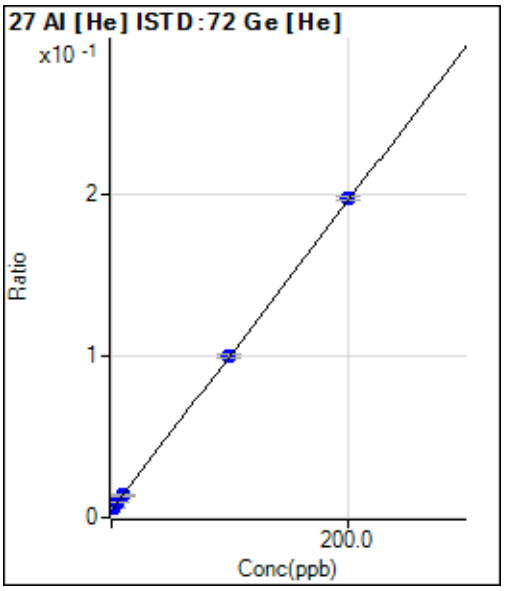


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	99389.58	0.0425	P	0.2	
2	☐	2.000	0.677	110431.41	0.0475	P	1.9	-66.2
3	☐	5.000	4.379	172767.82	0.0748	P	0.2	-12.4
4	☐	10.000	8.510	243272.32	0.1054	P	1.0	-14.9
5	☐	100.000	99.266	1799858.62	0.7757	P	0.6	-0.7
6	☐	200.000	200.470	3419934.32	1.5232	P	2.2	0.2
7	☐	1.000						

y = 0.0074 * x + 0.0425
R = 1.0000
DL = 0.02823 ppb
BEC = 5.753 ppb

Weight: <None>
Min Conc: <None>

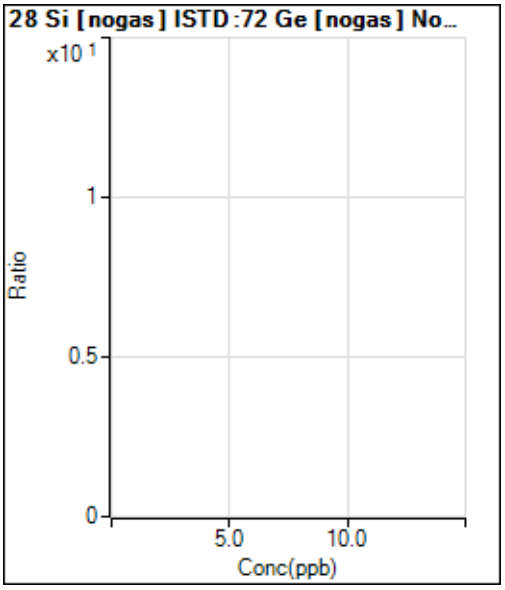
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3630.49	0.0057	P	9.1	
2	☐	2.000	0.546	4050.63	0.0062	P	0.5	-72.7
3	☐	5.000	4.337	6398.11	0.0098	P	1.1	-13.3
4	☐	10.000	8.559	8899.43	0.0139	P	4.6	-14.4
5	☐	100.000	98.686	64019.69	0.0999	P	2.0	-1.3
6	☐	200.000	200.760	123818.63	0.1974	P	1.7	0.4
7	☐	1.000						

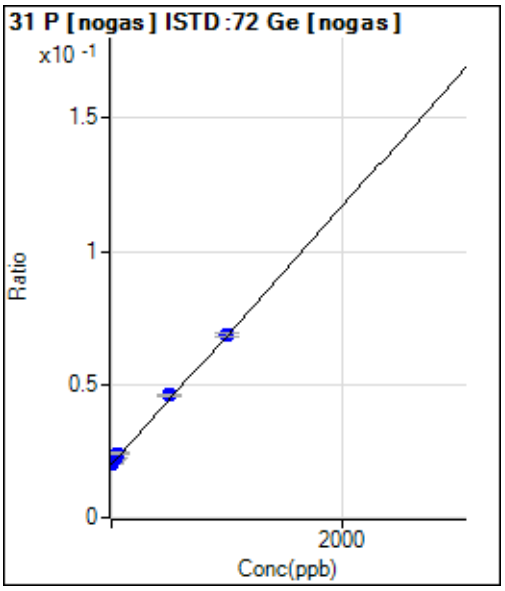
y = 9.5485E-004 * x + 0.0057
R = 1.0000
DL = 1.625 ppb
BEC = 5.951 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

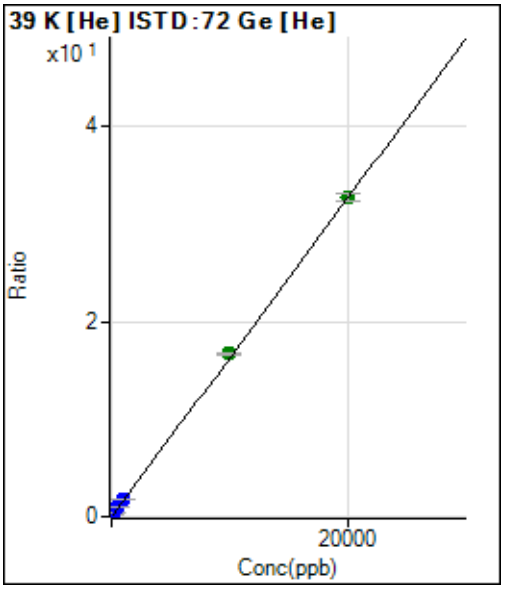
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	48092.50	0.0206	P	1.3	
2	☐	10.000	23.567	50487.90	0.0217	P	2.6	135.7
3	☐	25.000	40.230	51998.23	0.0225	P	1.3	60.9
4	☐	50.000	73.295	55734.50	0.0241	P	1.1	46.6
5	☐	500.000	523.343	106937.60	0.0461	P	1.7	4.7
6	☐	1000.000	986.647	154228.91	0.0687	P	1.8	-1.3
7	☐	5.000						

y = 4.8781E-005 * x + 0.0206
R = 0.9996
DL = 15.81 ppb
BEC = 421.5 ppb

Weight: <None>
Min Conc: <None>

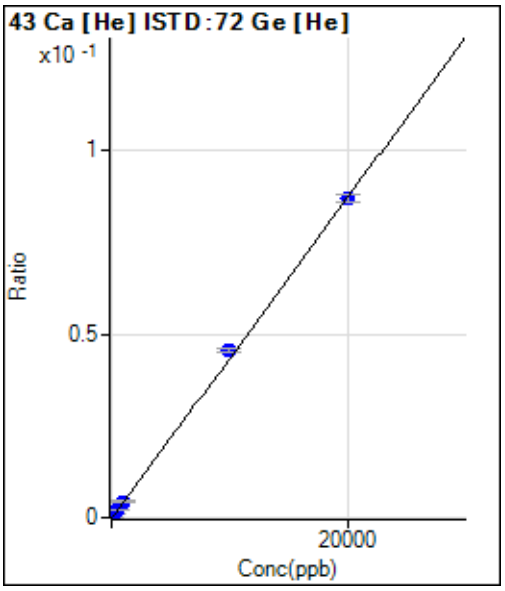


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	94313.24	0.1477	P	0.6	
2	☐	200.000	190.174	299340.94	0.4585	P	1.0	-4.9
3	☐	500.000	461.107	586971.53	0.9012	P	0.6	-7.8
4	☐	1000.000	943.226	1085073.66	1.6891	P	0.4	-5.7
5	☐	10000.00	10118.51	10690889.42	16.6840	A	1.2	1.2
6	☐	20000.00	19944.65	20539381.78	32.7425	A	2.7	-0.3
7	☐	100.000						

y = 0.0016 * x + 0.1477
R = 1.0000
DL = 1.568 ppb
BEC = 90.36 ppb

Weight: <None>
Min Conc: <None>

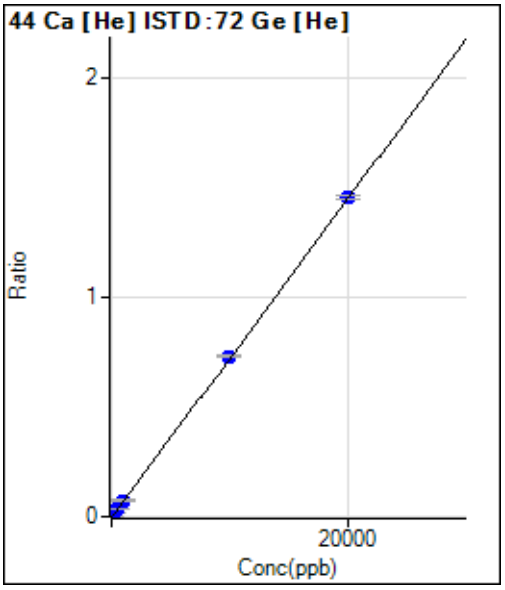
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.34	0.0002	P	65.4	
2	☐	200.000	208.798	703.36	0.0011	P	12.0	4.4
3	☐	500.000	447.446	1383.42	0.0021	P	21.8	-10.5
4	☐	1000.000	958.687	2803.66	0.0044	P	6.1	-4.1
5	☐	10000.00	10331.19	29128.31	0.0454	P	2.1	3.3
6	☐	20000.00	19837.69	54651.57	0.0871	P	2.2	-0.8
7	☐	100.000						

y = 4.3835E-006 * x + 1.6252E-004
R = 0.9998
DL = 72.79 ppb
BEC = 37.08 ppb

Weight: <None>
Min Conc: <None>

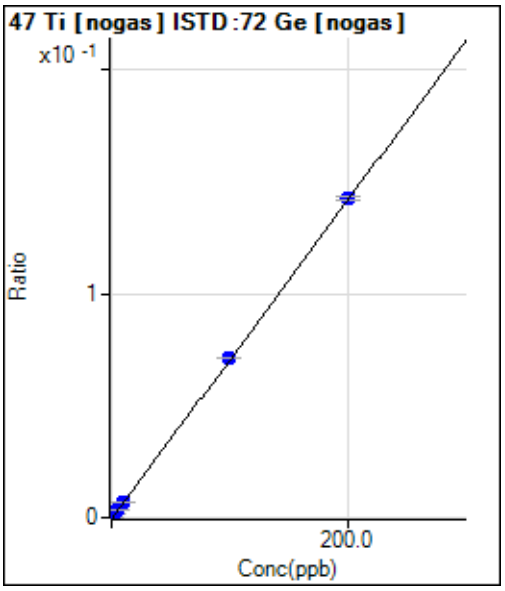


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1943.50	0.0030	P	6.9	
2	☐	200.000	201.031	11544.58	0.0177	P	4.3	0.5
3	☐	500.000	490.098	25224.58	0.0387	P	0.5	-2.0
4	☐	1000.000	982.751	47922.49	0.0746	P	0.7	-1.7
5	☐	10000.00	10013.79	469187.92	0.7322	P	1.4	0.1
6	☐	20000.00	19994.20	915174.31	1.4589	P	1.6	0.0
7	☐	100.000						

y = 7.2812E-005 * x + 0.0030
R = 1.0000
DL = 8.651 ppb
BEC = 41.82 ppb

Weight: <None>
Min Conc: <None>

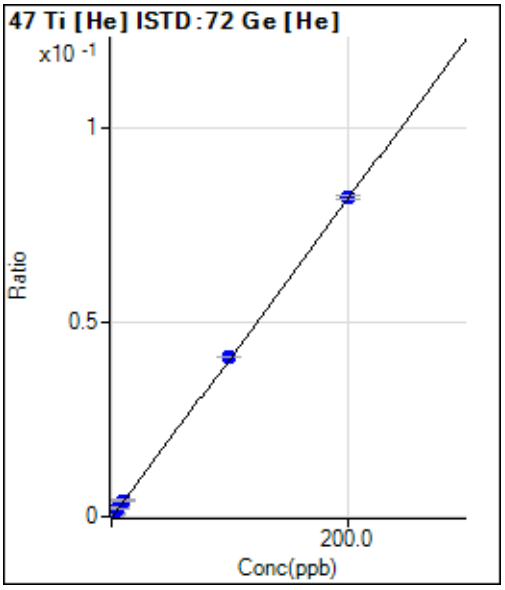
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	196.67	0.0001	P	30.1	
2	☐	2.000	1.901	3343.76	0.0014	P	6.2	-5.0
3	☐	5.000	4.695	7912.21	0.0034	P	7.8	-6.1
4	☐	10.000	9.705	16162.22	0.0070	P	4.0	-2.9
5	☐	100.000	99.679	164951.77	0.0711	P	0.2	-0.3
6	☐	200.000	200.184	320357.84	0.1427	P	1.4	0.1
7	☐	1.000						

y = 7.1234E-004 * x + 8.4155E-005
R = 1.0000
DL = 0.1067 ppb
BEC = 0.1181 ppb

Weight: <None>
Min Conc: <None>

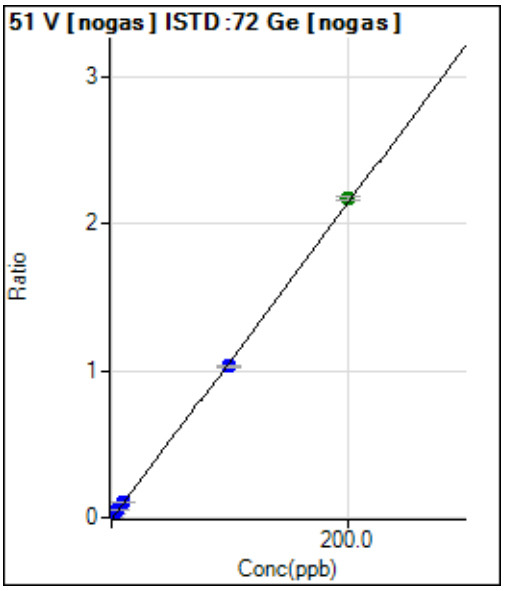


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	49.0	
2	☐	2.000	1.804	506.68	0.0008	P	24.1	-9.8
3	☐	5.000	4.925	1340.09	0.0021	P	19.5	-1.5
4	☐	10.000	9.724	2586.94	0.0040	P	9.8	-2.8
5	☐	100.000	99.802	26269.81	0.0410	P	0.5	-0.2
6	☐	200.000	200.117	51541.09	0.0822	P	1.8	0.1
7	☐	1.000						

y = 4.1037E-004 * x + 3.6428E-005
R = 1.0000
DL = 0.1305 ppb
BEC = 0.08877 ppb

Weight: <None>
Min Conc: <None>

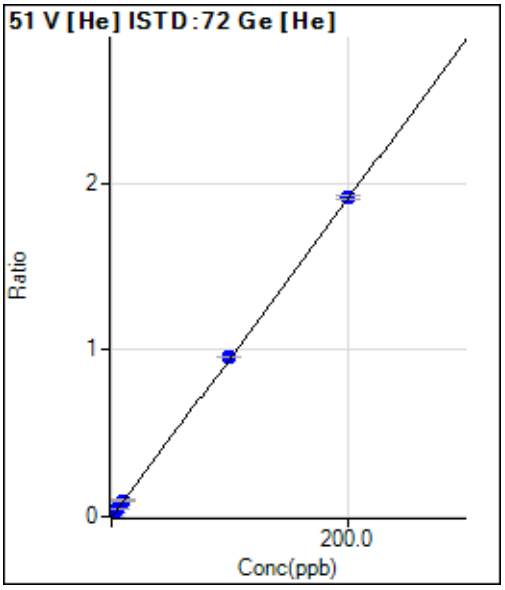
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-262.72	-0.0001	P	-1838.	
2	☐	2.000	1.902	47343.45	0.0204	P	3.8	-4.9
3	☐	5.000	4.690	116332.06	0.0504	P	3.0	-6.2
4	☐	10.000	9.461	235018.45	0.1018	P	1.6	-5.4
5	☐	100.000	95.729	2391572.87	1.0307	P	0.3	-4.3
6	☐	200.000	202.171	4887771.28	2.1769	A	1.0	1.1
7	☐	1.000						

y = 0.0108 * x - 1.1627E-004
R = 0.9997
DL = 0.5954 ppb
BEC = -0.0108 ppb

Weight: <None>
Min Conc: <None>

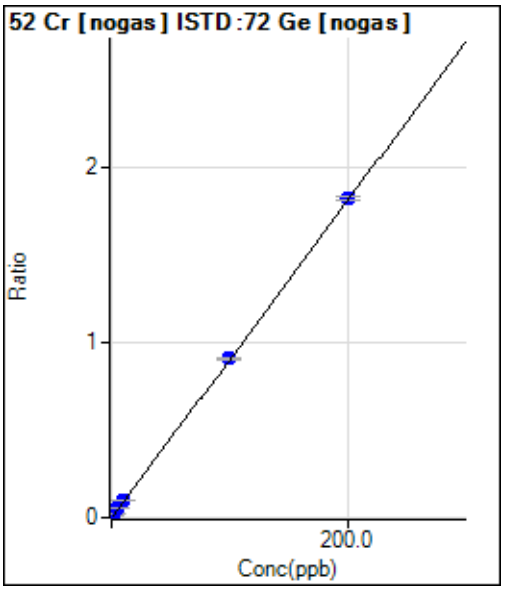


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2707.06	0.0042	P	18.1	
2	☐	2.000	1.894	14570.39	0.0223	P	3.1	-5.3
3	☐	5.000	4.526	30895.81	0.0474	P	4.7	-9.5
4	☐	10.000	9.677	62058.25	0.0966	P	4.2	-3.2
5	☐	100.000	99.827	613389.36	0.9572	P	0.4	-0.2
6	☐	200.000	200.116	1201088.46	1.9145	P	0.7	0.1
7	☐	1.000						

y = 0.0095 * x + 0.0042
R = 1.0000
DL = 0.2411 ppb
BEC = 0.4437 ppb

Weight: <None>
Min Conc: <None>

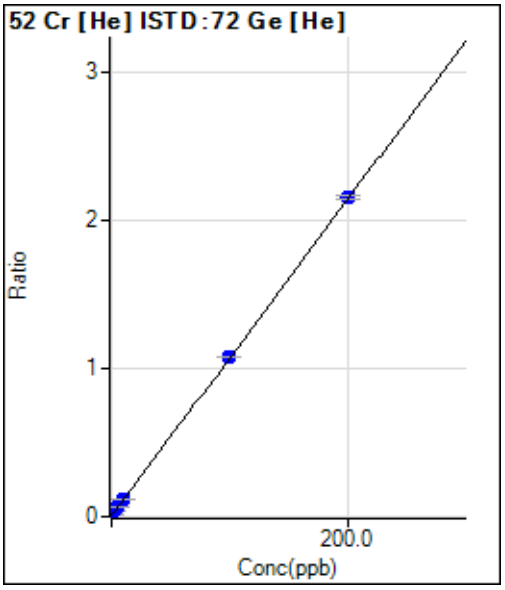
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15655.08	0.0067	P	0.6	
2	☐	2.000	1.892	55461.93	0.0239	P	1.4	-5.4
3	☐	5.000	4.787	115666.46	0.0501	P	1.3	-4.3
4	☐	10.000	9.775	220140.75	0.0953	P	0.1	-2.3
5	☐	100.000	99.356	2106071.53	0.9077	P	0.5	-0.6
6	☐	200.000	200.340	4094238.17	1.8234	P	1.3	0.2
7	☐	1.000						

y = 0.0091 * x + 0.0067
R = 1.0000
DL = 0.01251 ppb
BEC = 0.7381 ppb

Weight: <None>
Min Conc: <None>

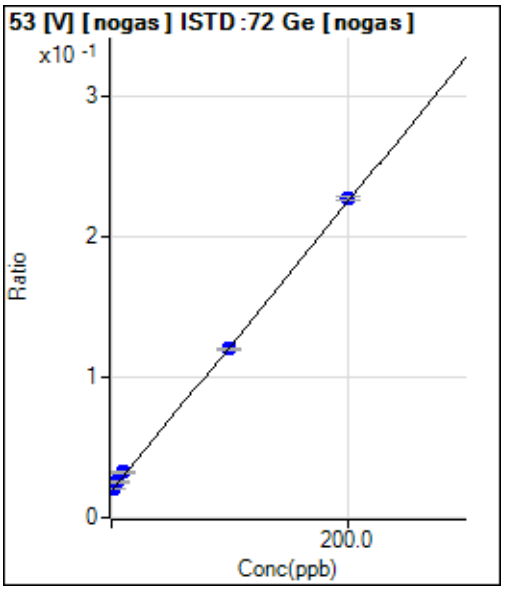


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10073.56	0.0158	P	3.5	
2	☐	2.000	1.747	22503.68	0.0345	P	2.4	-12.6
3	☐	5.000	4.717	43135.28	0.0662	P	1.6	-5.7
4	☐	10.000	9.873	77974.15	0.1214	P	1.3	-1.3
5	☐	100.000	99.718	693663.76	1.0824	P	0.4	-0.3
6	☐	200.000	200.157	1353114.56	2.1568	P	0.7	0.1
7	☐	1.000						

y = 0.0107 * x + 0.0158
R = 1.0000
DL = 0.1548 ppb
BEC = 1.475 ppb

Weight: <None>
Min Conc: <None>

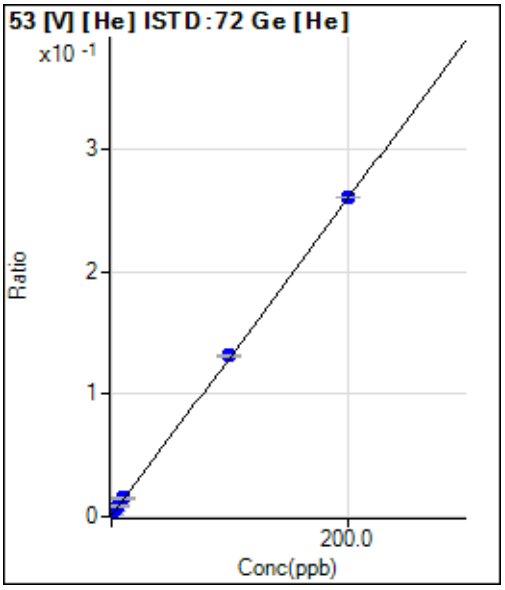
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	47140.51	0.0202	P	2.2	
2	☐	2.000	0.750	48668.74	0.0209	P	1.1	-62.5
3	☐	5.000	5.128	58714.00	0.0254	P	2.1	2.6
4	☐	10.000	12.013	75093.09	0.0325	P	3.7	20.1
5	☐	100.000	97.032	278562.49	0.1201	P	0.7	-3.0
6	☐	200.000	201.393	510852.83	0.2275	P	1.6	0.7
7	☐	1.000						

y = 0.0010 * x + 0.0202
R = 0.9998
DL = 1.308 ppb
BEC = 19.58 ppb

Weight: <None>
Min Conc: <None>

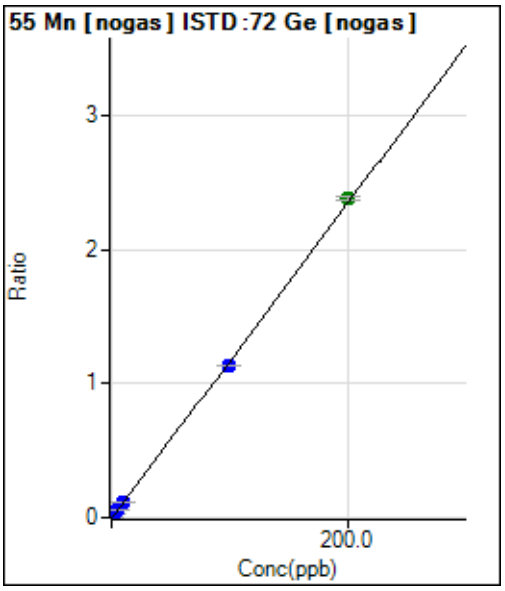


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1253.42	0.0020	P	12.2	
2	☐	2.000	1.723	2740.31	0.0042	P	4.3	-13.8
3	☐	5.000	5.143	5617.83	0.0086	P	5.7	2.9
4	☐	10.000	10.202	9749.98	0.0152	P	6.9	2.0
5	☐	100.000	100.170	84398.48	0.1317	P	0.8	0.2
6	☐	200.000	199.904	163669.30	0.2609	P	0.6	0.0
7	☐	1.000						

y = 0.0013 * x + 0.0020
R = 1.0000
DL = 0.5564 ppb
BEC = 1.516 ppb

Weight: <None>
Min Conc: <None>

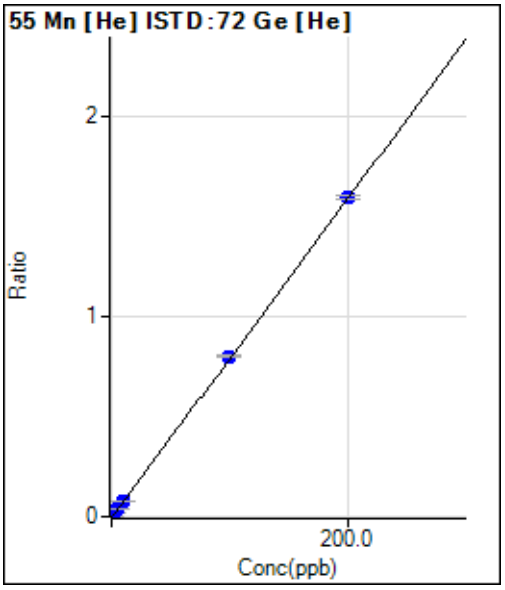
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11671.36	0.0050	P	3.7	
2	☐	2.000	1.884	63165.75	0.0272	P	3.6	-5.8
3	☐	5.000	4.753	140640.94	0.0609	P	0.7	-4.9
4	☐	10.000	9.529	270450.46	0.1171	P	0.7	-4.7
5	☐	100.000	95.954	2631538.61	1.1341	P	0.1	-4.0
6	☐	200.000	202.054	5350073.46	2.3827	A	0.7	1.0
7	☐	1.000						

y = 0.0118 * x + 0.0050
R = 0.9997
DL = 0.04653 ppb
BEC = 0.4241 ppb

Weight: <None>
Min Conc: <None>

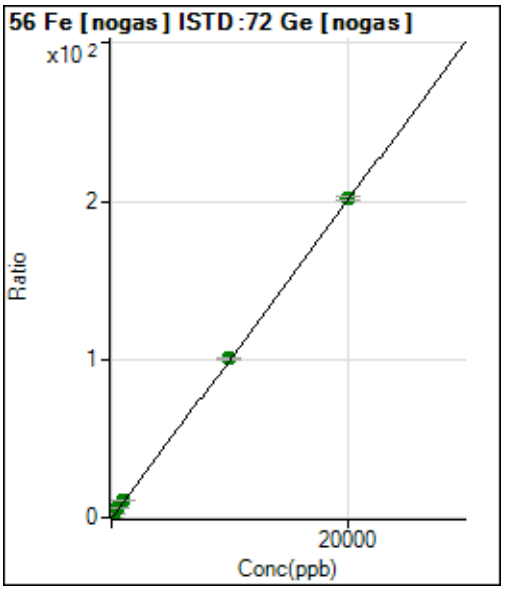


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1150.07	0.0018	P	8.7	
2	☐	2.000	1.813	10640.59	0.0163	P	3.5	-9.4
3	☐	5.000	4.727	25788.99	0.0396	P	1.9	-5.5
4	☐	10.000	9.921	52113.44	0.0811	P	1.5	-0.8
5	☐	100.000	100.307	515159.21	0.8039	P	0.3	0.3
6	☐	200.000	199.859	1003701.78	1.5999	P	1.2	-0.1
7	☐	1.000						

y = 0.0080 * x + 0.0018
R = 1.0000
DL = 0.05888 ppb
BEC = 0.225 ppb

Weight: <None>
Min Conc: <None>

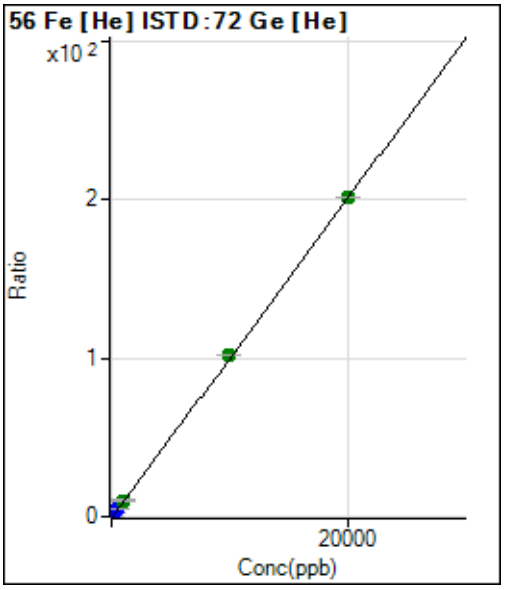
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1136036.49	0.4857	P	1.0	
2	☐	200.000	209.785	6035244.49	2.5953	A	0.4	4.9
3	☐	500.000	507.980	12913988.14	5.5940	A	0.4	1.6
4	☐	1000.000	1013.217	24648868.80	10.6746	A	0.6	1.3
5	☐	10000.00	9941.069	233071916.5	100.452	A	0.7	-0.6
6	☐	20000.00	20028.50	453320513.2	201.891	A	1.0	0.1
7	☐	100.000						

y = 0.0101 * x + 0.4857
R = 1.0000
DL = 1.4 ppb
BEC = 48.3 ppb

Weight: <None>
Min Conc: <None>

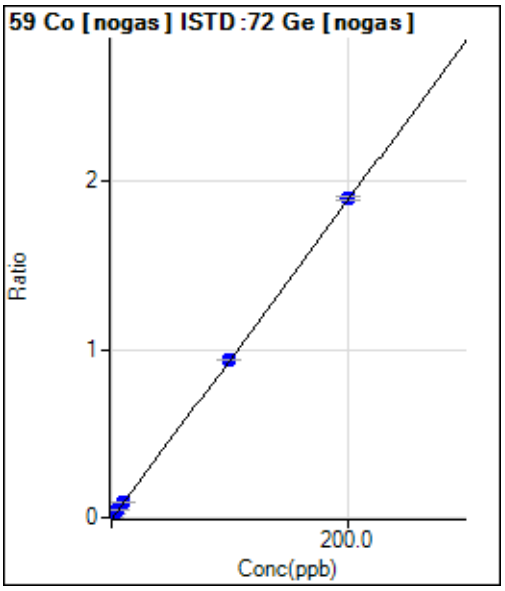


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	21745.97	0.0340	P	1.9	
2	☐	200.000	186.503	1251552.04	1.9169	P	1.3	-6.7
3	☐	500.000	452.821	2999582.77	4.6056	P	0.6	-9.4
4	☐	1000.000	1016.570	6614454.07	10.2970	A	0.9	1.7
5	☐	10000.00	10097.21	65348780.69	101.971	A	0.7	1.0
6	☐	20000.00	19951.87	126386998.1	201.460	A	0.3	-0.2
7	☐	100.000						

y = 0.0101 * x + 0.0340
R = 1.0000
DL = 0.1911 ppb
BEC = 3.372 ppb

Weight: <None>
Min Conc: <None>

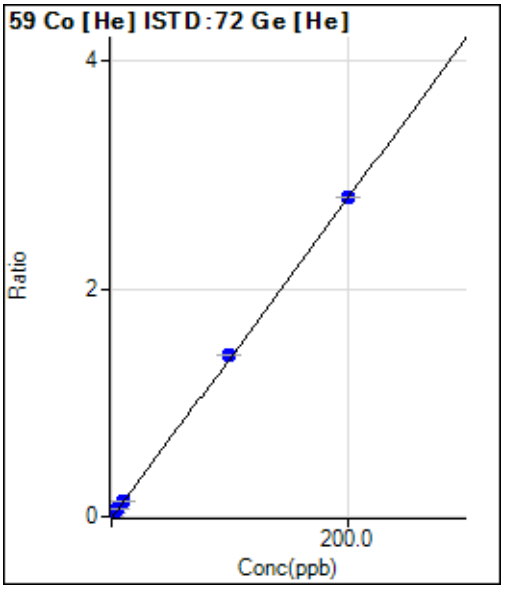
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	263.34	0.0001	P	53.5	
2	☐	2.000	1.986	44014.80	0.0189	P	0.7	-0.7
3	☐	5.000	4.875	106888.05	0.0463	P	1.0	-2.5
4	☐	10.000	9.931	217545.83	0.0942	P	1.7	-0.7
5	☐	100.000	99.372	2184979.24	0.9417	P	0.2	-0.6
6	☐	200.000	200.321	4261998.58	1.8982	P	1.5	0.2
7	☐	1.000						

y = 0.0095 * x + 1.1272E-004
R = 1.0000
DL = 0.01909 ppb
BEC = 0.0119 ppb

Weight: <None>
Min Conc: <None>

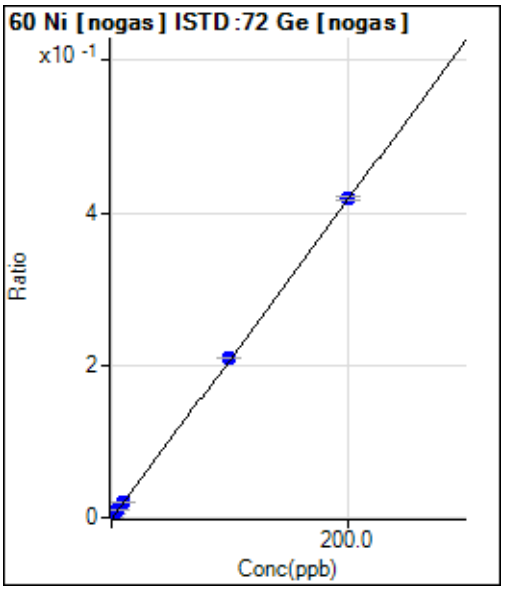


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	70.00	0.0001	P	14.2	
2	☐	2.000	2.008	18498.27	0.0283	P	1.3	0.4
3	☐	5.000	4.838	44352.18	0.0681	P	1.1	-3.2
4	☐	10.000	9.822	88727.47	0.1381	P	0.8	-1.8
5	☐	100.000	100.850	908227.51	1.4173	P	0.2	0.9
6	☐	200.000	199.588	1759577.47	2.8048	P	0.3	-0.2
7	☐	1.000						

y = 0.0141 * x + 1.0959E-004
R = 1.0000
DL = 0.003316 ppb
BEC = 0.007799 ppb

Weight: <None>
Min Conc: <None>

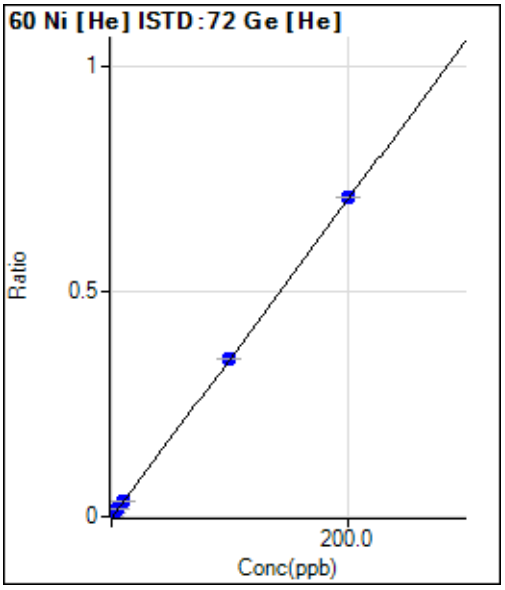
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	566.68	0.0002	P	15.0	
2	☐	2.000	2.048	10540.52	0.0045	P	2.5	2.4
3	☐	5.000	4.946	24483.61	0.0106	P	1.7	-1.1
4	☐	10.000	9.860	48264.16	0.0209	P	2.5	-1.4
5	☐	100.000	99.974	486625.40	0.2097	P	0.6	0.0
6	☐	200.000	200.021	941589.83	0.4193	P	1.7	0.0
7	☐	1.000						

y = 0.0021 * x + 2.4227E-004
R = 1.0000
DL = 0.05194 ppb
BEC = 0.1156 ppb

Weight: <None>
Min Conc: <None>

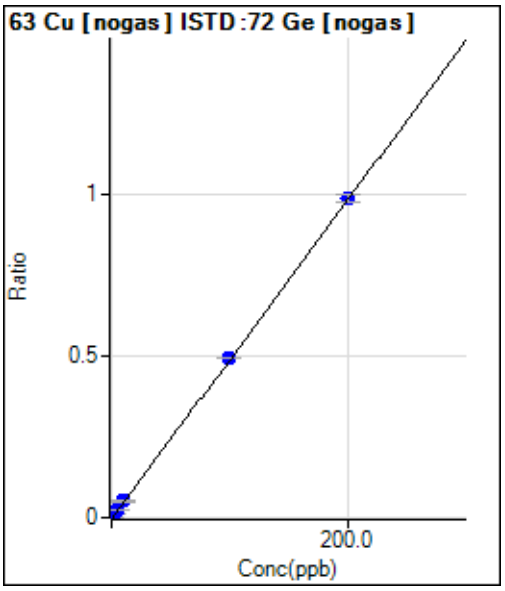


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	263.34	0.0004	P	2.9	
2	☐	2.000	2.045	4997.58	0.0077	P	6.9	2.3
3	☐	5.000	4.793	11321.14	0.0174	P	2.0	-4.1
4	☐	10.000	9.918	22824.36	0.0355	P	2.7	-0.8
5	☐	100.000	98.882	224629.84	0.3505	P	0.4	-1.1
6	☐	200.000	200.568	445770.55	0.7106	P	0.6	0.3
7	☐	1.000						

y = 0.0035 * x + 4.1242E-004
R = 1.0000
DL = 0.01023 ppb
BEC = 0.1165 ppb

Weight: <None>
Min Conc: <None>

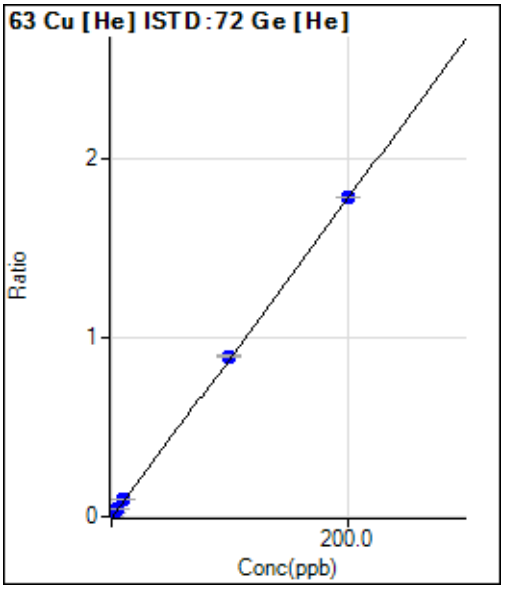
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1193.41	0.0005	P	13.4	
2	☐	2.000	2.037	24567.18	0.0106	P	2.7	1.9
3	☐	5.000	4.976	57861.78	0.0251	P	1.4	-0.5
4	☐	10.000	10.157	116916.18	0.0506	P	2.0	1.6
5	☐	100.000	99.974	1145900.66	0.4939	P	0.1	0.0
6	☐	200.000	200.005	2217216.74	0.9875	P	2.1	0.0
7	☐	1.000						

y = 0.0049 * x + 5.1036E-004
R = 1.0000
DL = 0.04145 ppb
BEC = 0.1034 ppb

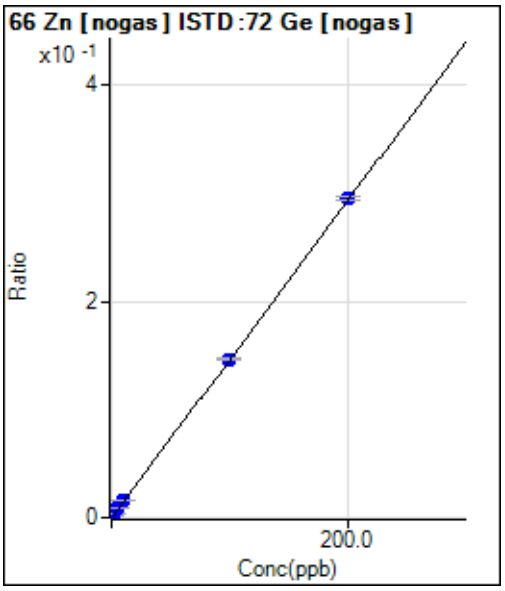
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	596.69	0.0009	P	10.7	
2	☐	2.000	1.991	12225.18	0.0187	P	2.0	-0.5
3	☐	5.000	5.007	29753.16	0.0457	P	0.9	0.1
4	☐	10.000	10.218	59267.36	0.0923	P	0.7	2.2
5	☐	100.000	100.390	575561.71	0.8982	P	0.7	0.4
6	☐	200.000	199.794	1120828.66	1.7866	P	0.4	-0.1
7	☐	1.000						

y = 0.0089 * x + 9.3340E-004
R = 1.0000
DL = 0.03358 ppb
BEC = 0.1044 ppb

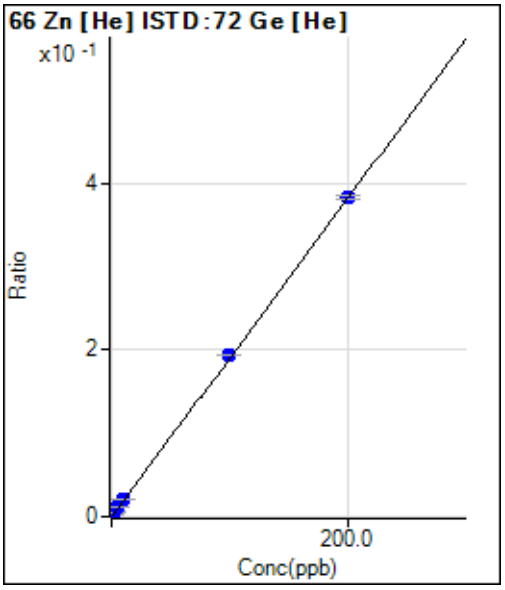
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2653.61	0.0011	P	7.8	
2	☐	2.000	1.900	9122.92	0.0039	P	3.4	-5.0
3	☐	5.000	5.134	20017.00	0.0087	P	4.0	2.7
4	☐	10.000	9.762	35712.97	0.0155	P	3.2	-2.4
5	☐	100.000	99.061	340039.35	0.1465	P	0.8	-0.9
6	☐	200.000	200.479	663312.01	0.2954	P	1.3	0.2
7	☐	1.000						

y = 0.0015 * x + 0.0011
R = 1.0000
DL = 0.1813 ppb
BEC = 0.7728 ppb

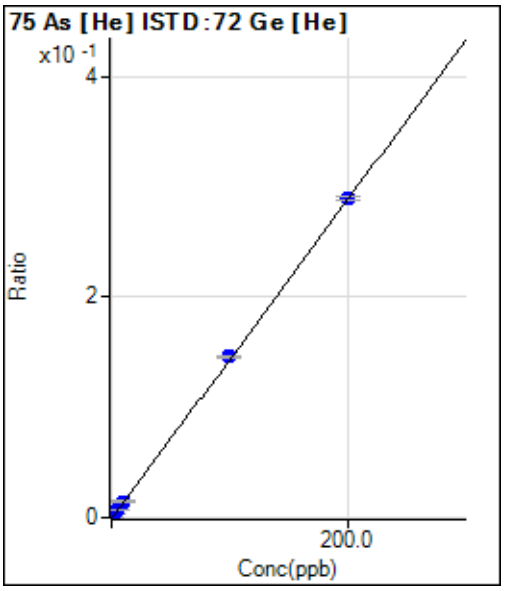
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	830.04	0.0013	P	2.5	
2	☐	2.000	2.297	3720.54	0.0057	P	10.4	14.9
3	☐	5.000	5.348	7512.04	0.0115	P	3.1	7.0
4	☐	10.000	9.958	13075.92	0.0204	P	1.7	-0.4
5	☐	100.000	100.785	124423.61	0.1942	P	0.6	0.8
6	☐	200.000	199.598	240419.42	0.3832	P	0.9	-0.2
7	☐	1.000						

y = 0.0019 * x + 0.0013
R = 1.0000
DL = 0.05152 ppb
BEC = 0.6792 ppb

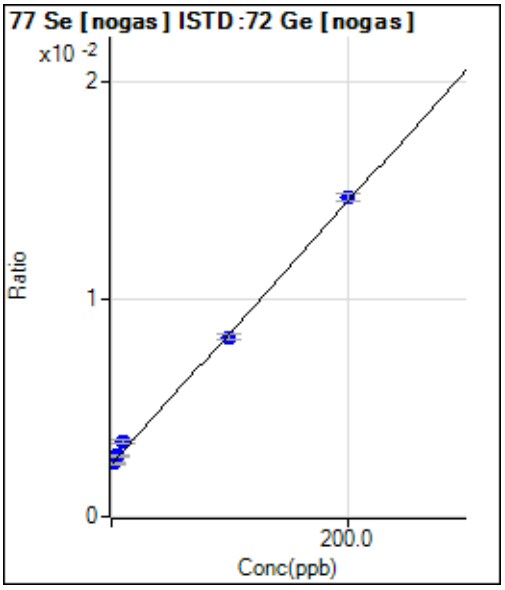
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	197.78	0.0003	P	12.2	
2	☐	2.000	1.997	2090.16	0.0032	P	5.0	-0.2
3	☐	5.000	4.824	4753.00	0.0073	P	2.6	-3.5
4	☐	10.000	9.931	9439.70	0.0147	P	3.7	-0.7
5	☐	100.000	100.510	93501.40	0.1459	P	0.5	0.5
6	☐	200.000	199.753	181729.50	0.2897	P	0.8	-0.1
7	☐	1.000						

y = 0.0014 * x + 3.0936E-004
R = 1.0000
DL = 0.07848 ppb
BEC = 0.2136 ppb

Weight: <None>
Min Conc: <None>

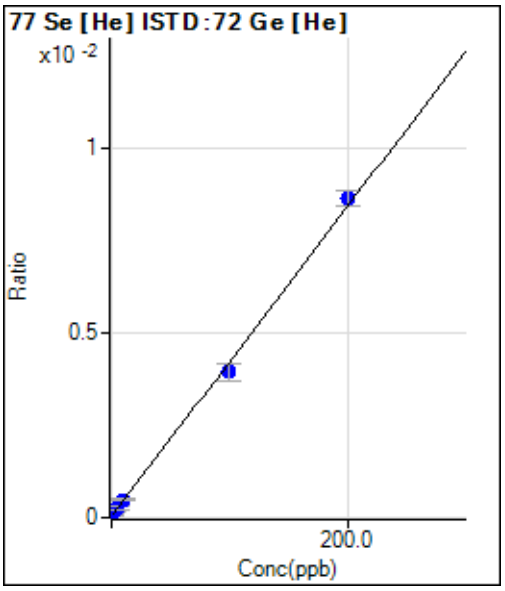


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5841.26	0.0025	P	7.1	
2	☐	2.000	-0.859	5687.85	0.0024	P	2.5	-143.
3	☐	5.000	5.214	6491.52	0.0028	P	2.4	4.3
4	☐	10.000	15.835	7972.28	0.0035	P	4.4	58.3
5	☐	100.000	95.175	19105.87	0.0082	P	3.3	-4.8
6	☐	200.000	202.144	32976.99	0.0147	P	2.7	1.1
7	☐	1.000						

y = 6.0287E-005 * x + 0.0025
R = 0.9990
DL = 8.768 ppb
BEC = 41.43 ppb

Weight: <None>
Min Conc: <None>

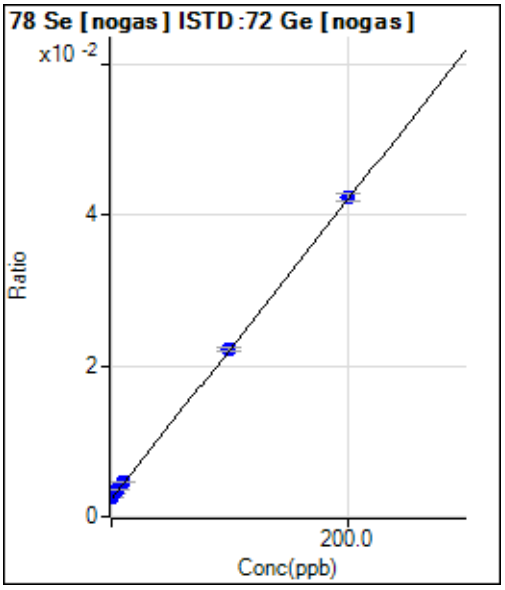
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0001	P	29.4	
2	☐	2.000	1.777	103.33	0.0002	P	24.2	-11.1
3	☐	5.000	4.472	176.67	0.0003	P	40.2	-10.6
4	☐	10.000	9.755	316.68	0.0005	P	20.1	-2.5
5	☐	100.000	91.988	2526.93	0.0039	P	12.0	-8.0
6	☐	200.000	204.033	5421.11	0.0086	P	5.4	2.0
7	☐	1.000						

y = 4.1950E-005 * x + 8.3652E-005
R = 0.9989
DL = 1.756 ppb
BEC = 1.994 ppb

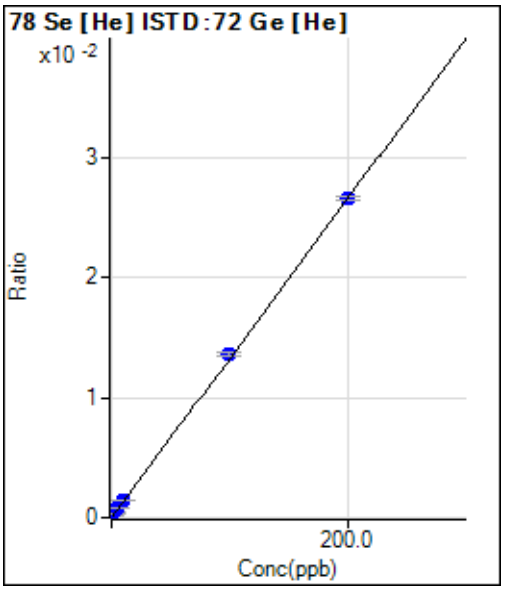
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6027.98	0.0026	P	3.5	
2	☐	2.000	2.036	6931.75	0.0030	P	0.6	1.8
3	☐	5.000	4.587	8049.01	0.0035	P	2.2	-8.3
4	☐	10.000	10.169	10603.97	0.0046	P	0.9	1.7
5	☐	100.000	98.971	51472.87	0.0222	P	2.0	-1.0
6	☐	200.000	200.516	94965.94	0.0423	P	2.3	0.3
7	☐	1.000						

y = 1.9809E-004 * x + 0.0026
R = 1.0000
DL = 1.381 ppb
BEC = 13.01 ppb

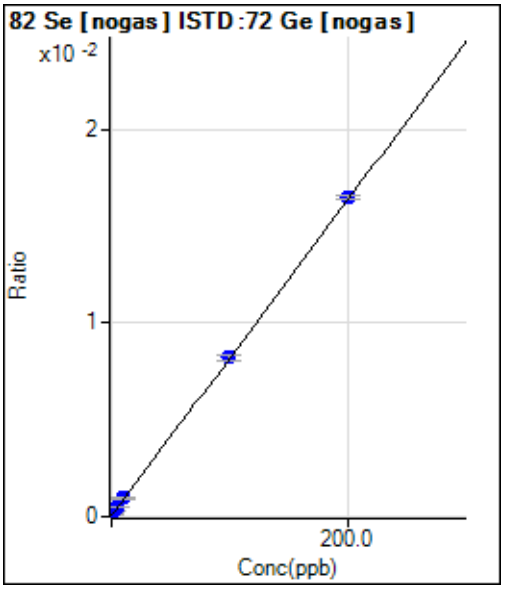
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	78.67	0.0001	P	11.3	
2	☐	2.000	2.102	263.33	0.0004	P	15.5	5.1
3	☐	5.000	4.859	502.01	0.0008	P	3.6	-2.8
4	☐	10.000	9.752	914.03	0.0014	P	2.6	-2.5
5	☐	100.000	101.881	8777.94	0.0137	P	2.5	1.9
6	☐	200.000	199.074	16720.08	0.0267	P	1.3	-0.5
7	☐	1.000						

y = 1.3326E-004 * x + 1.2327E-004
R = 0.9999
DL = 0.3134 ppb
BEC = 0.925 ppb

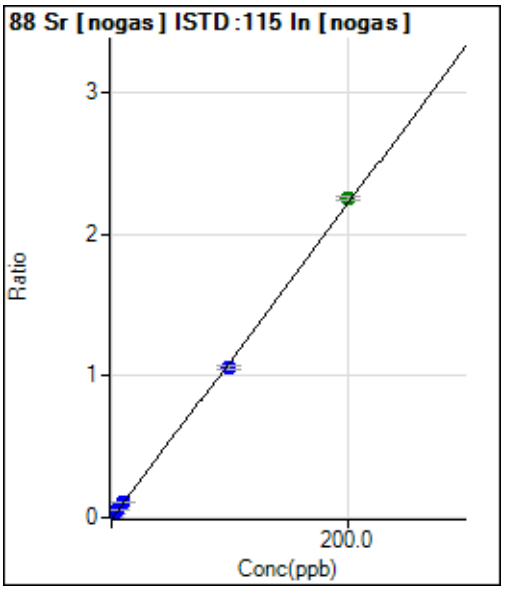
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	320.01	0.0001	P	18.6	
2	☐	2.000	2.139	723.37	0.0003	P	4.0	6.9
3	☐	5.000	4.507	1163.41	0.0005	P	12.4	-9.9
4	☐	10.000	9.985	2196.87	0.0010	P	14.7	-0.1
5	☐	100.000	98.896	19025.81	0.0082	P	2.7	-1.1
6	☐	200.000	200.564	37020.01	0.0165	P	1.4	0.3
7	☐	1.000						

y = 8.1523E-005 * x + 1.3675E-004
R = 1.0000
DL = 0.9349 ppb
BEC = 1.677 ppb

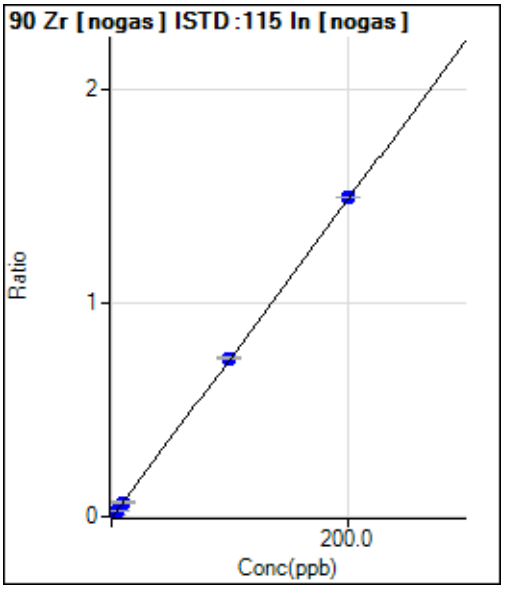
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1553.44	0.0006	P	5.5	
2	☐	2.000	1.851	52925.27	0.0212	P	2.7	-7.4
3	☐	5.000	4.434	124247.13	0.0499	P	0.6	-11.3
4	☐	10.000	9.144	254353.04	0.1023	P	0.9	-8.6
5	☐	100.000	95.120	2602343.81	1.0579	P	1.8	-4.9
6	☐	200.000	202.499	5372346.59	2.2515	A	1.4	1.2
7	☐	1.000						

y = 0.0111 * x + 6.2291E-004
R = 0.9996
DL = 0.009253 ppb
BEC = 0.05604 ppb

Weight: <None>
Min Conc: <None>

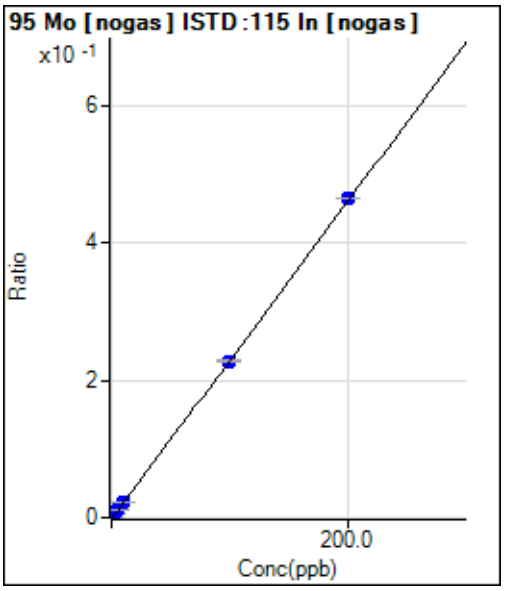


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1246.74	0.0005	P	13.5	
2	☐	2.000	1.418	27646.22	0.0111	P	0.6	-29.1
3	☐	5.000	3.953	74655.41	0.0300	P	0.1	-20.9
4	☐	10.000	8.976	167800.78	0.0675	P	0.9	-10.2
5	☐	100.000	99.111	1819960.23	0.7398	P	1.2	-0.9
6	☐	200.000	200.528	3570335.57	1.4964	P	0.5	0.3
7	☐	1.000						

y = 0.0075 * x + 4.9970E-004
R = 1.0000
DL = 0.02711 ppb
BEC = 0.06699 ppb

Weight: <None>
Min Conc: <None>

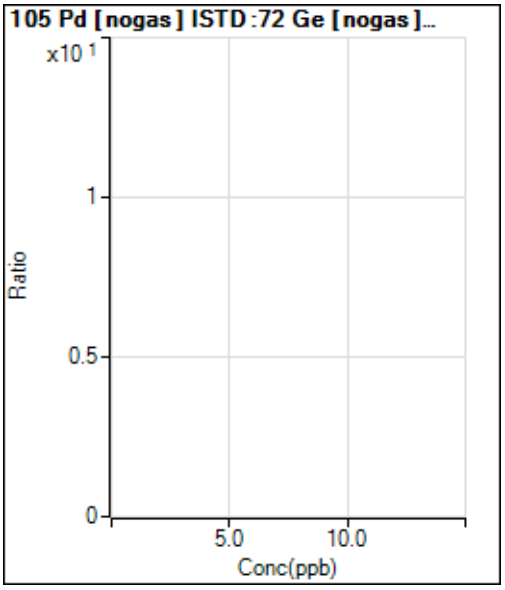
Calibration for 112_ICV.d



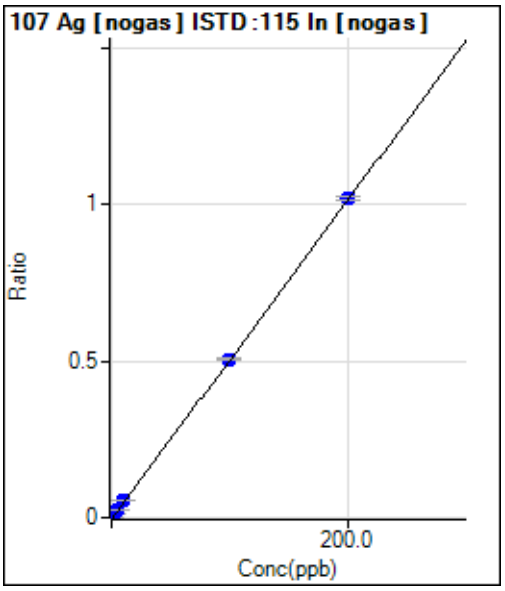
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	203.34	0.0001	P	15.3	
2	☐	2.000	1.906	11197.81	0.0045	P	4.8	-4.7
3	☐	5.000	4.548	26360.74	0.0106	P	4.2	-9.0
4	☐	10.000	9.429	54407.93	0.0219	P	4.1	-5.7
5	☐	100.000	98.169	558334.98	0.2270	P	1.2	-1.8
6	☐	200.000	200.956	1108328.21	0.4645	P	0.4	0.5
7	☐	1.000						

y = 0.0023 * x + 8.1548E-005
R = 0.9999
DL = 0.01618 ppb
BEC = 0.03529 ppb

Weight: <None>
Min Conc: <None>



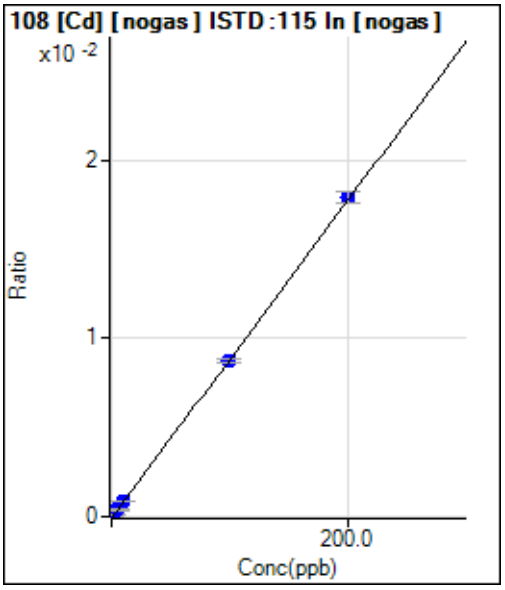
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83.33	0.0000	P	38.5	
2	☐	2.000	2.220	28291.09	0.0113	P	2.8	11.0
3	☐	5.000	5.339	67741.07	0.0272	P	1.4	6.8
4	☐	10.000	11.150	141264.26	0.0568	P	0.7	11.5
5	☐	100.000	99.463	1245529.41	0.5064	P	1.3	-0.5
6	☐	200.000	200.200	2431924.29	1.0192	P	0.8	0.1
7	☐	1.000						

y = 0.0051 * x + 3.3410E-005
R = 1.0000
DL = 0.007582 ppb
BEC = 0.006563 ppb

Weight: <None>
Min Conc: <None>

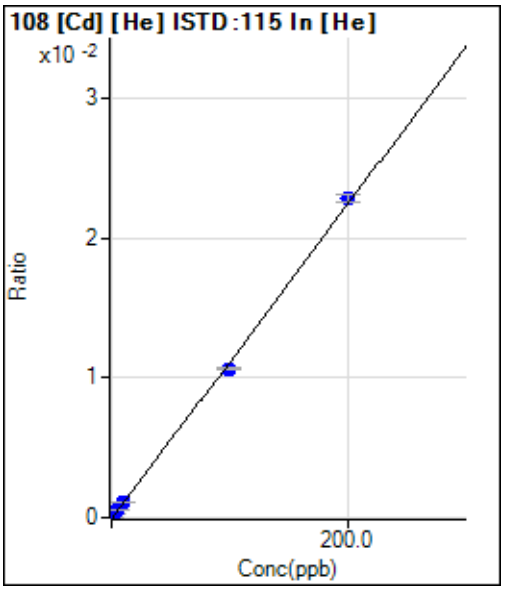


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.33	0.0000	P	86.6	
2	☐	2.000	1.588	366.68	0.0001	P	10.8	-20.6
3	☐	5.000	4.265	960.05	0.0004	P	14.3	-14.7
4	☐	10.000	9.655	2153.54	0.0009	P	3.0	-3.5
5	☐	100.000	98.185	21539.61	0.0088	P	2.7	-1.8
6	☐	200.000	200.947	42760.10	0.0179	P	3.8	0.5
7	☐	1.000						

y = 8.9136E-005 * x + 5.3287E-006
R = 0.9999
DL = 0.1553 ppb
BEC = 0.05978 ppb

Weight: <None>
Min Conc: <None>

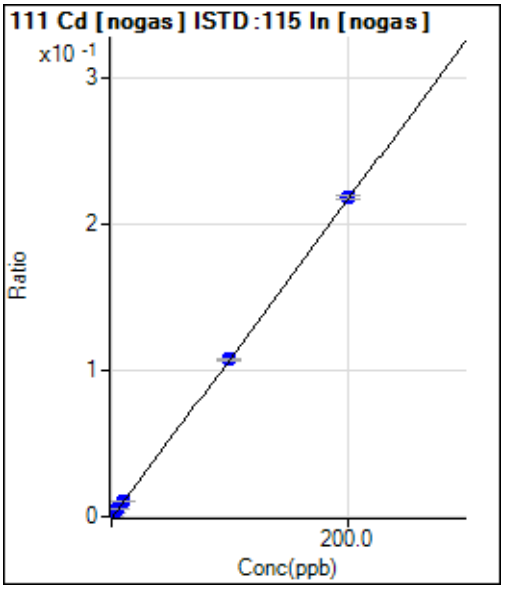
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.33	0.0000	P	42.9	
2	☐	2.000	2.358	260.01	0.0003	P	7.5	17.9
3	☐	5.000	4.901	526.69	0.0006	P	14.8	-2.0
4	☐	10.000	9.891	1043.39	0.0011	P	5.3	-1.1
5	☐	100.000	94.556	9760.11	0.0107	P	2.3	-5.4
6	☐	200.000	202.727	20217.62	0.0229	P	2.5	1.4
7	☐	1.000						

y = 1.1277E-004 * x + 1.4510E-005
R = 0.9995
DL = 0.1657 ppb
BEC = 0.1287 ppb

Weight: <None>
Min Conc: <None>

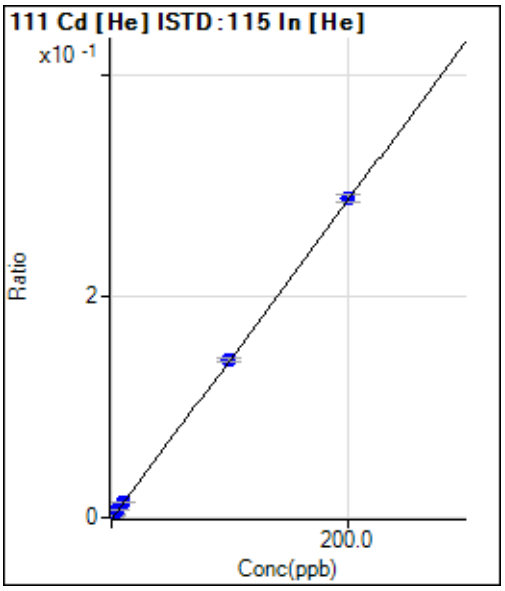


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-4.31	0.0000	P	-291.1	
2	☐	2.000	2.072	5637.92	0.0023	P	7.0	3.6
3	☐	5.000	4.593	12466.43	0.0050	P	1.9	-8.1
4	☐	10.000	9.587	26003.90	0.0105	P	3.2	-4.1
5	☐	100.000	98.957	265466.22	0.1079	P	1.0	-1.0
6	☐	200.000	200.551	521898.70	0.2187	P	1.4	0.3
7	☐	1.000						

y = 0.0011 * x - 1.7085E-006
R = 1.0000
DL = 0.01368 ppb
BEC = -0.001567 ppb

Weight: <None>
Min Conc: <None>

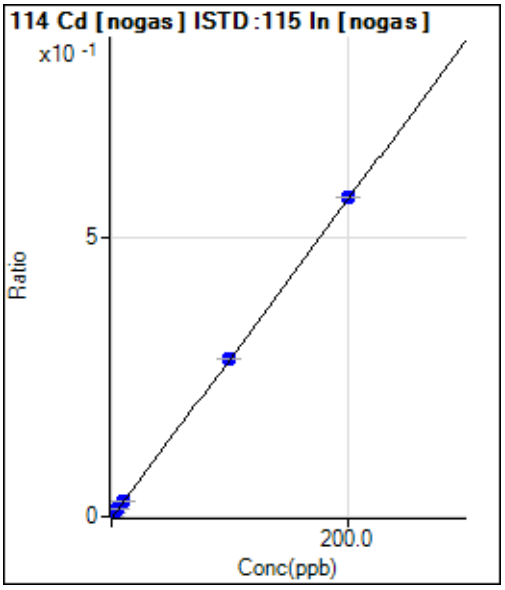
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-14.31	0.0000	P	-42.9	
2	☐	2.000	1.945	2574.67	0.0028	P	14.9	-2.8
3	☐	5.000	4.662	6209.88	0.0067	P	4.4	-6.8
4	☐	10.000	9.609	12737.31	0.0138	P	3.3	-3.9
5	☐	100.000	99.079	130143.27	0.1424	P	2.4	-0.9
6	☐	200.000	200.489	254616.08	0.2881	P	2.3	0.2
7	☐	1.000						

y = 0.0014 * x - 1.5569E-005
R = 1.0000
DL = 0.01395 ppb
BEC = -0.01083 ppb

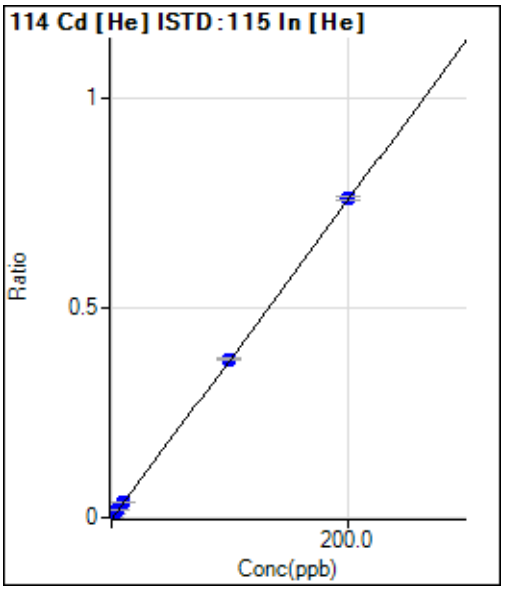
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0000	P	43.9	
2	☐	2.000	1.920	13740.08	0.0055	P	6.0	-4.0
3	☐	5.000	4.578	32587.07	0.0131	P	2.0	-8.4
4	☐	10.000	9.489	67423.25	0.0271	P	0.5	-5.1
5	☐	100.000	98.907	694578.11	0.2823	P	0.1	-1.1
6	☐	200.000	200.583	1366204.88	0.5726	P	0.6	0.3
7	☐	1.000						

y = 0.0029 * x + 2.1416E-005
R = 1.0000
DL = 0.009885 ppb
BEC = 0.007503 ppb

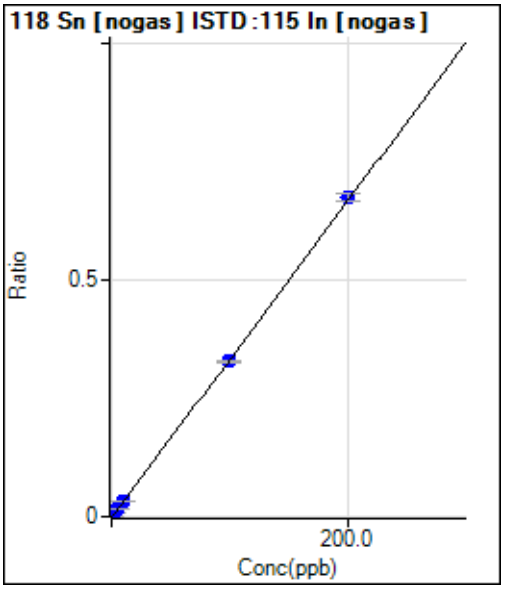
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0001	P	28.4	
2	☐	2.000	1.931	6865.07	0.0074	P	4.3	-3.5
3	☐	5.000	4.685	16626.46	0.0179	P	2.5	-6.3
4	☐	10.000	9.889	34818.96	0.0377	P	1.0	-1.1
5	☐	100.000	99.393	345889.24	0.3784	P	0.5	-0.6
6	☐	200.000	200.318	673957.75	0.7625	P	1.1	0.2
7	☐	1.000						

y = 0.0038 * x + 5.8081E-005
R = 1.0000
DL = 0.01301 ppb
BEC = 0.01526 ppb

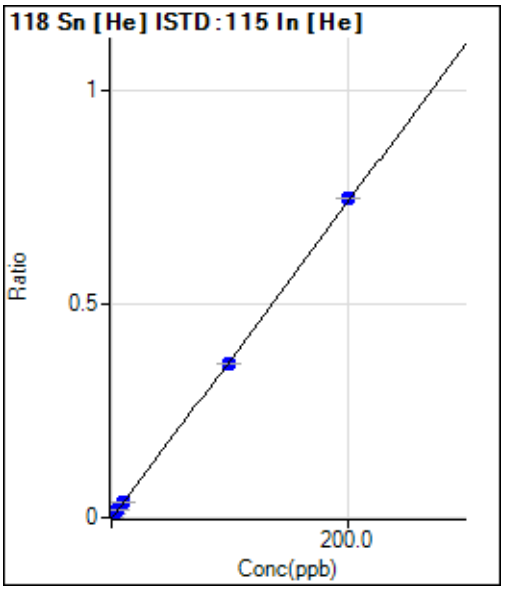
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2766.99	0.0011	P	4.5	
2	☐	2.000	1.852	18258.44	0.0073	P	0.0	-7.4
3	☐	5.000	4.542	40657.50	0.0163	P	2.5	-9.2
4	☐	10.000	9.460	81603.44	0.0328	P	1.7	-5.4
5	☐	100.000	97.619	807306.58	0.3282	P	1.4	-2.4
6	☐	200.000	201.230	1611475.29	0.6754	P	1.8	0.6
7	☐	1.000						

y = 0.0034 * x + 0.0011
R = 0.9999
DL = 0.04489 ppb
BEC = 0.3311 ppb

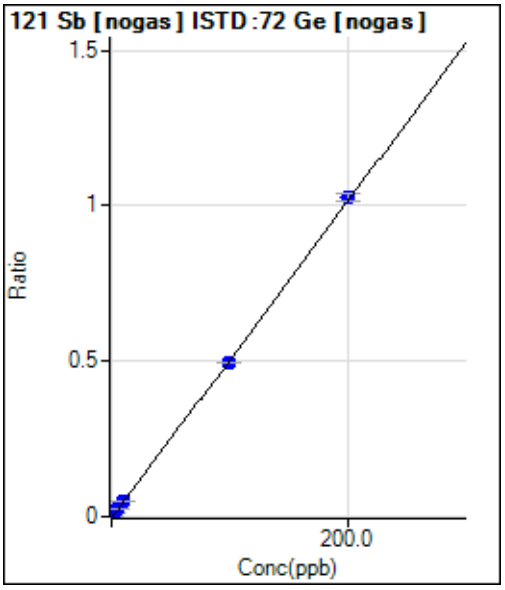
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1163.40	0.0013	P	2.0	
2	☐	2.000	1.902	7705.52	0.0083	P	5.2	-4.9
3	☐	5.000	4.664	17220.44	0.0185	P	3.2	-6.7
4	☐	10.000	9.548	33816.63	0.0366	P	3.7	-4.5
5	☐	100.000	97.322	330555.59	0.3616	P	0.2	-2.7
6	☐	200.000	201.371	660111.11	0.7468	P	0.4	0.7
7	☐	1.000						

y = 0.0037 * x + 0.0013
R = 0.9999
DL = 0.02006 ppb
BEC = 0.3423 ppb

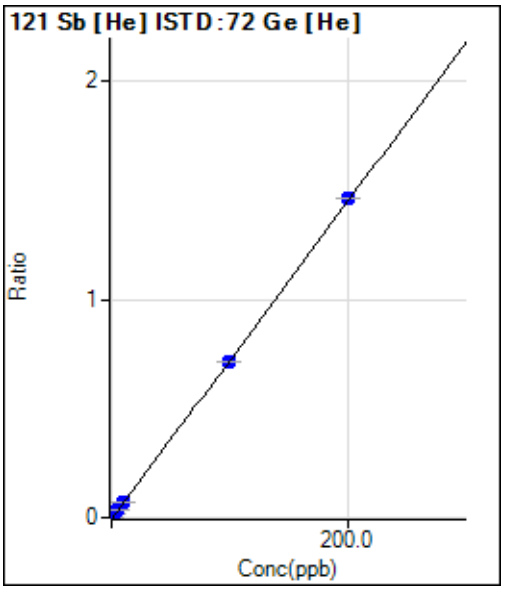
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	576.69	0.0002	P	12.3	
2	☐	2.000	1.863	22654.78	0.0097	P	1.9	-6.8
3	☐	5.000	4.528	53850.92	0.0233	P	2.6	-9.4
4	☐	10.000	9.407	111273.22	0.0482	P	1.1	-5.9
5	☐	100.000	97.131	1149120.11	0.4952	P	0.4	-2.9
6	☐	200.000	201.478	2305797.15	1.0270	P	2.8	0.7
7	☐	1.000						

y = 0.0051 * x + 2.4658E-004
R = 0.9999
DL = 0.01787 ppb
BEC = 0.04839 ppb

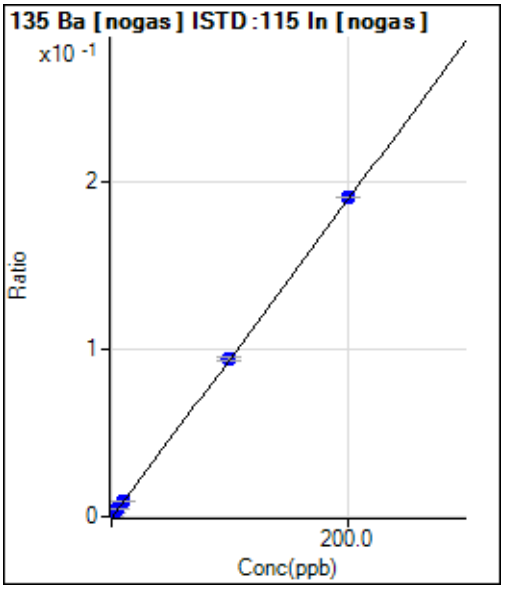
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	246.68	0.0004	P	23.4	
2	☐	2.000	1.867	9129.71	0.0140	P	0.4	-6.6
3	☐	5.000	4.640	22254.27	0.0342	P	1.8	-7.2
4	☐	10.000	9.640	45334.86	0.0706	P	1.6	-3.6
5	☐	100.000	98.169	458278.66	0.7151	P	0.3	-1.8
6	☐	200.000	200.944	918093.03	1.4634	P	0.1	0.5
7	☐	1.000						

y = 0.0073 * x + 3.8688E-004
R = 0.9999
DL = 0.03733 ppb
BEC = 0.05314 ppb

Weight: <None>
Min Conc: <None>

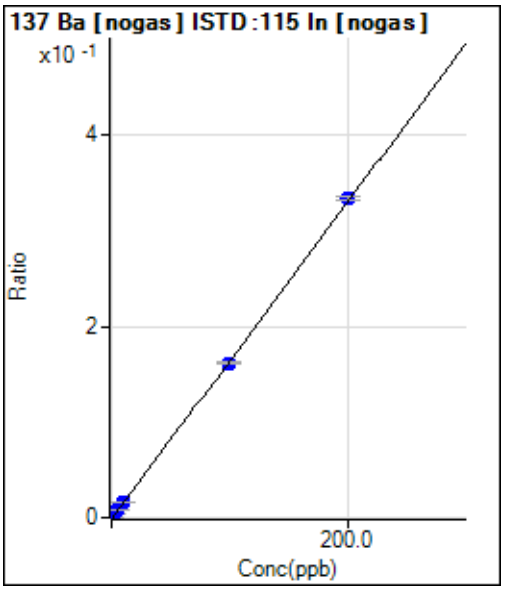


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	303.34	0.0001	P	7.2	
2	☐	2.000	1.968	4960.94	0.0020	P	4.2	-1.6
3	☐	5.000	4.590	11137.85	0.0045	P	4.2	-8.2
4	☐	10.000	9.688	23152.35	0.0093	P	1.8	-3.1
5	☐	100.000	98.794	230764.33	0.0938	P	1.8	-1.2
6	☐	200.000	200.629	454257.43	0.1904	P	0.1	0.3
7	☐	1.000						

y = 9.4831E-004 * x + 1.2159E-004
R = 1.0000
DL = 0.02752 ppb
BEC = 0.1282 ppb

Weight: <None>
Min Conc: <None>

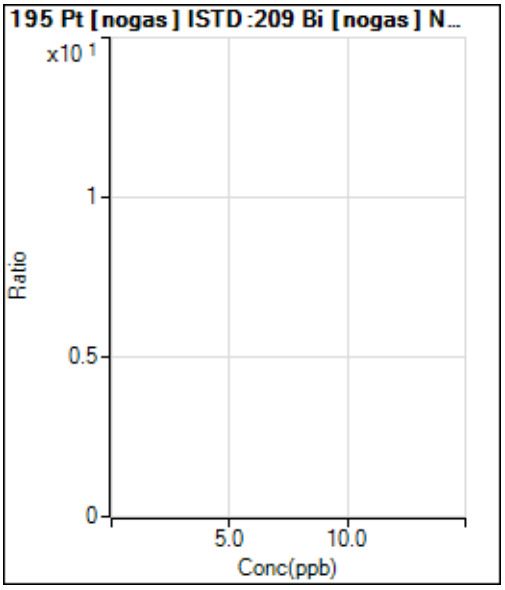
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	530.02	0.0002	P	22.9	
2	☐	2.000	1.974	8699.48	0.0035	P	4.0	-1.3
3	☐	5.000	4.528	19216.54	0.0077	P	2.3	-9.4
4	☐	10.000	9.202	38479.04	0.0155	P	2.5	-8.0
5	☐	100.000	97.526	398258.34	0.1619	P	1.7	-2.5
6	☐	200.000	201.289	796817.70	0.3339	P	1.3	0.6
7	☐	1.000						

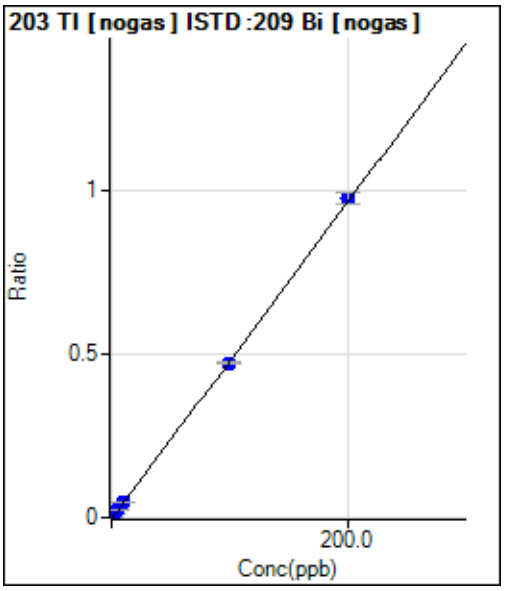
y = 0.0017 * x + 2.1248E-004
R = 0.9999
DL = 0.088 ppb
BEC = 0.1282 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

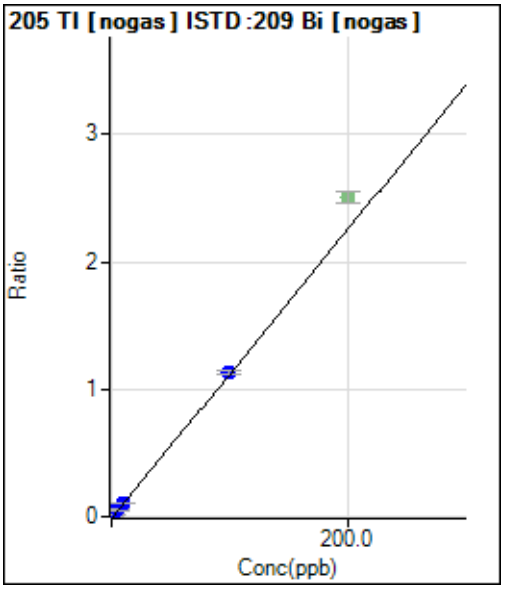
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0000	P	40.2	
2	☐	2.000	1.887	20165.13	0.0092	P	5.4	-5.6
3	☐	5.000	4.604	49298.94	0.0223	P	3.6	-7.9
4	☐	10.000	9.415	101109.22	0.0456	P	5.2	-5.8
5	☐	100.000	97.445	1031269.33	0.4716	P	1.2	-2.6
6	☐	200.000	201.318	2053798.72	0.9742	P	3.3	0.7
7	☐	1.000						

y = 0.0048 * x + 1.7866E-005
R = 0.9999
DL = 0.004448 ppb
BEC = 0.003692 ppb

Weight: <None>
Min Conc: <None>

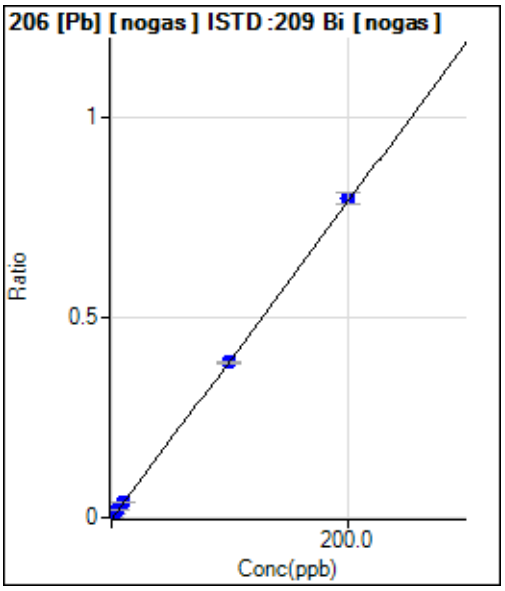


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0000	P	54.1	
2	☐	2.000	1.935	48409.71	0.0220	P	5.4	-3.2
3	☐	5.000	4.680	117290.56	0.0531	P	4.8	-6.4
4	☐	10.000	9.688	243609.45	0.1098	P	4.8	-3.1
5	☐	100.000	100.049	2479027.00	1.1336	P	1.9	0.0
6	☑	200.000		5282592.84	2.5058	A	3.6	
7	☐	1.000						

y = 0.0113 * x + 4.2157E-005
R = 1.0000
DL = 0.006042 ppb
BEC = 0.003721 ppb

Weight: <None>
Min Conc: <None>

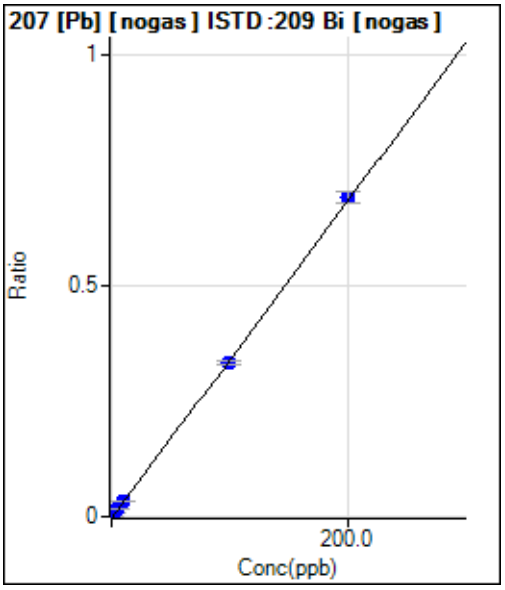
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	170.00	0.0001	P	12.1	
2	☐	2.000	1.922	16977.52	0.0077	P	3.0	-3.9
3	☐	5.000	4.656	41008.50	0.0185	P	3.9	-6.9
4	☐	10.000	9.511	83893.90	0.0378	P	4.3	-4.9
5	☐	100.000	97.704	847965.64	0.3877	P	1.7	-2.3
6	☐	200.000	201.182	1682833.78	0.7983	P	3.8	0.6
7	☐	1.000						

y = 0.0040 * x + 7.6624E-005
R = 0.9999
DL = 0.006987 ppb
BEC = 0.01931 ppb

Weight: <None>
Min Conc: <None>

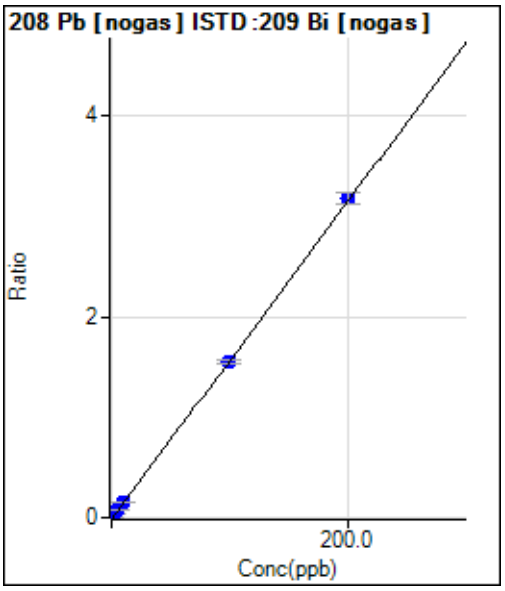


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	160.00	0.0001	P	12.3	
2	☐	2.000	1.875	14364.45	0.0065	P	2.3	-6.2
3	☐	5.000	4.608	35165.89	0.0159	P	2.7	-7.8
4	☐	10.000	9.356	71493.90	0.0322	P	2.3	-6.4
5	☐	100.000	97.445	732243.63	0.3348	P	2.5	-2.6
6	☐	200.000	201.321	1458121.49	0.6917	P	3.5	0.7
7	☐	1.000						

y = 0.0034 * x + 7.2101E-005
R = 0.9999
DL = 0.00774 ppb
BEC = 0.02099 ppb

Weight: <None>
Min Conc: <None>

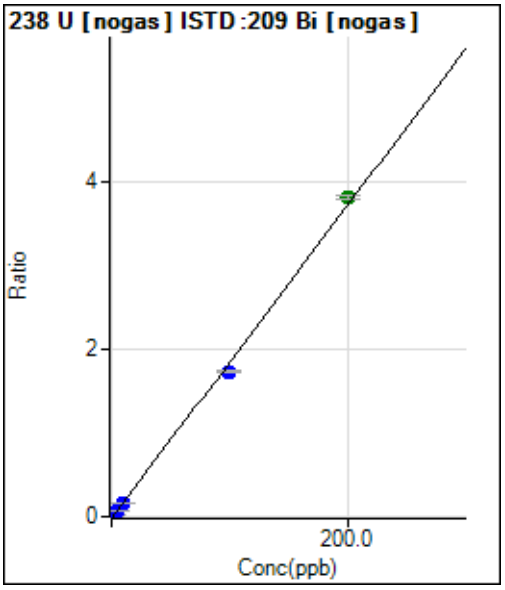
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	766.69	0.0003	P	13.4	
2	☐	2.000	1.910	67380.08	0.0306	P	2.7	-4.5
3	☐	5.000	4.615	162154.95	0.0733	P	3.5	-7.7
4	☐	10.000	9.484	333678.01	0.1504	P	3.4	-5.2
5	☐	100.000	98.046	3392612.84	1.5513	P	1.8	-2.0
6	☐	200.000	201.013	6704128.44	3.1800	P	3.3	0.5
7	☐	1.000						

y = 0.0158 * x + 3.4552E-004
R = 0.9999
DL = 0.008776 ppb
BEC = 0.02184 ppb

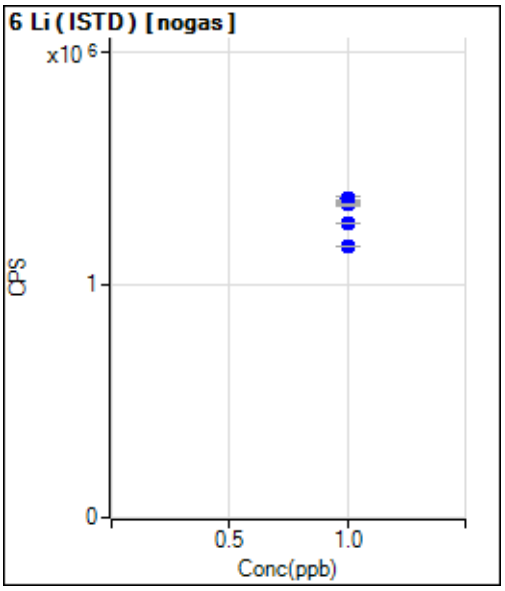
Weight: <None>
Min Conc: <None>



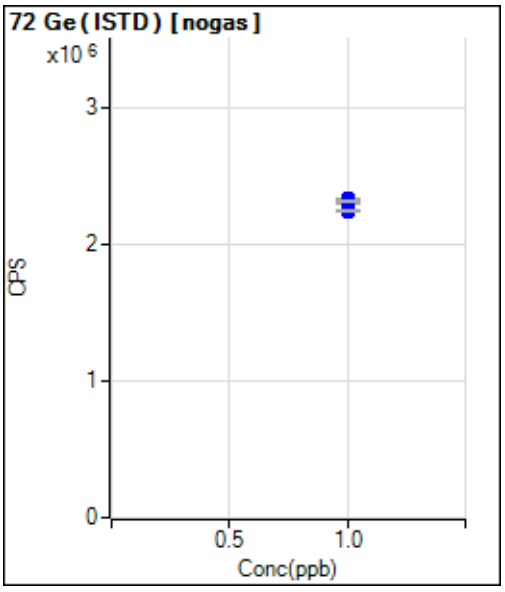
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	310.01	0.0001	P	27.3	
2	☐	2.000	1.729	71722.14	0.0325	P	4.2	-13.6
3	☐	5.000	4.187	173775.86	0.0786	P	3.3	-16.3
4	☐	10.000	8.625	358974.42	0.1618	P	3.4	-13.7
5	☐	100.000	92.359	3785107.86	1.7308	P	1.2	-7.6
6	☐	200.000	203.912	8057755.71	3.8211	A	0.9	2.0
7	☐	1.000						

y = 0.0187 * x + 1.3923E-004
R = 0.9990
DL = 0.006094 ppb
BEC = 0.00743 ppb

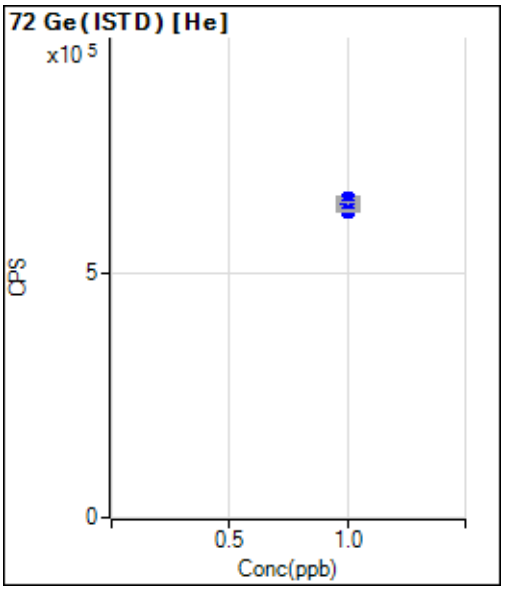
Weight: <None>
Min Conc: <None>



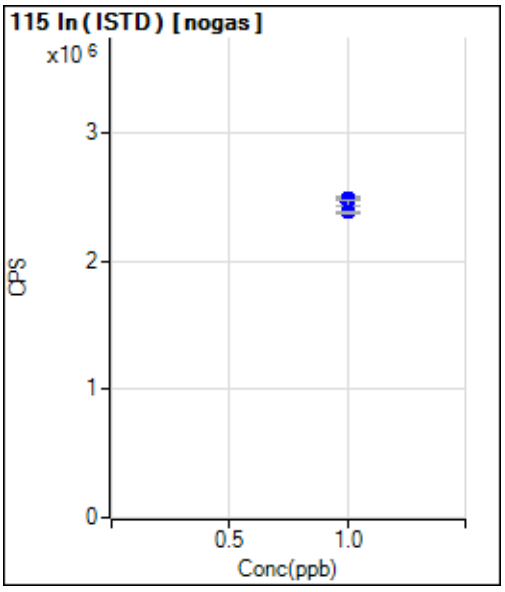
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1369633.52		P	1.0	
2	☐	1.000		1359467.55		P	0.8	
3	☐	1.000		1346307.54		P	0.6	
4	☐	1.000		1342772.90		P	0.3	
5	☐	1.000		1262457.50		P	0.1	
6	☐	1.000		1164046.18		P	0.4	
7	☐	1.000						



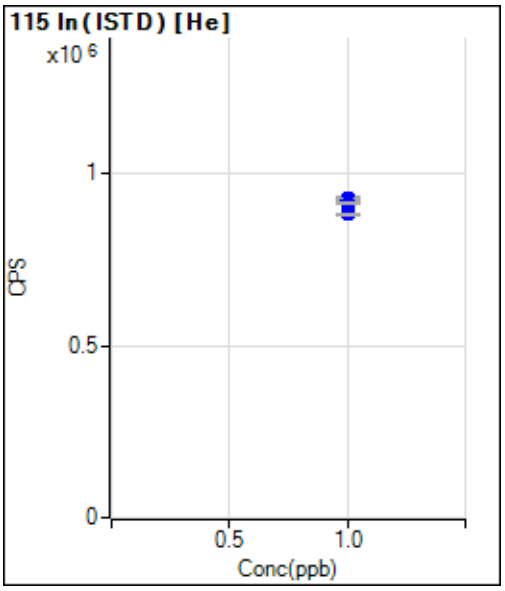
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2338923.77		P	0.4	
2	☐	1.000		2325446.37		P	0.6	
3	☐	1.000		2308596.58		P	0.8	
4	☐	1.000		2309191.06		P	0.8	
5	☐	1.000		2320299.44		P	0.8	
6	☐	1.000		2245378.14		P	0.8	
7	☐	1.000						



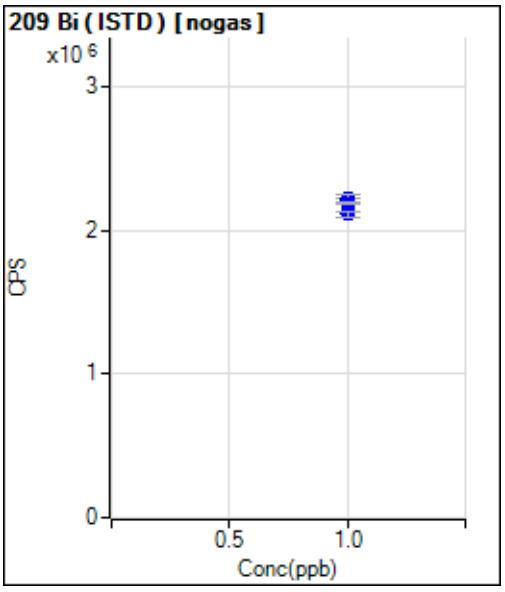
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		638659.62		P	1.4	
2	☐	1.000		652929.73		P	0.6	
3	☐	1.000		651296.75		P	0.1	
4	☐	1.000		642380.95		P	0.3	
5	☐	1.000		640831.47		P	0.9	
6	☐	1.000		627359.40		P	0.6	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2494311.02		P	0.6	
2	☐	1.000		2496167.47		P	0.8	
3	☐	1.000		2489500.65		P	1.0	
4	☐	1.000		2487327.05		P	0.7	
5	☐	1.000		2460060.33		P	1.7	
6	☐	1.000		2386058.06		P	0.9	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		918036.72		P	0.7	
2	☐	1.000		927092.53		P	0.9	
3	☐	1.000		929248.51		P	0.9	
4	☐	1.000		923587.81		P	0.7	
5	☐	1.000		914160.72		P	0.9	
6	☐	1.000		883879.68		P	0.6	
7	☐	1.000						



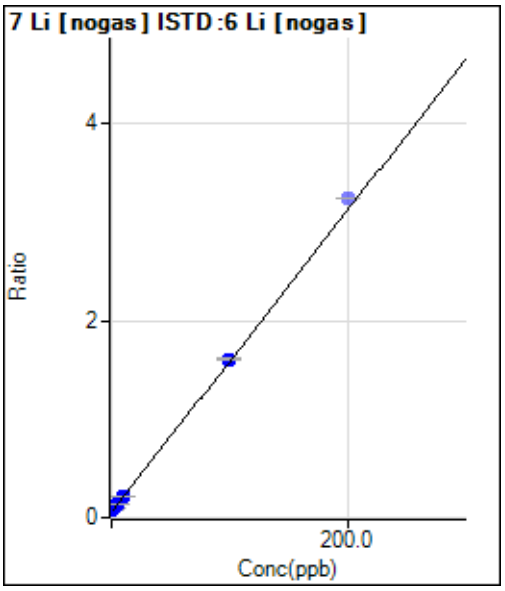
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2222206.37		P	2.8	
2	☐	1.000		2205027.15		P	1.8	
3	☐	1.000		2212424.55		P	2.9	
4	☐	1.000		2220260.38		P	2.5	
5	☐	1.000		2187031.79		P	1.0	
6	☐	1.000		2108918.46		P	1.6	
7	☐	1.000						

Calibration for 018_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070424A.b\
Analysis File: 070424A.batch.bin
DA Date-Time: 7/4/2024 9:09:53 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	011CALB.d	CAL BLK	7/4/2024 10:00:17 AM
2	012CALS.d	2/10/200	7/4/2024 10:02:24 AM
3	013CALS.d	5/25/500	7/4/2024 10:04:34 AM
4	014CALS.d	10/50/1000	7/4/2024 10:06:43 AM
5	015CALS.d	100/500/10K	7/4/2024 10:08:50 AM
6	016CALS.d	200/1000/20K	7/4/2024 10:10:55 AM
7			

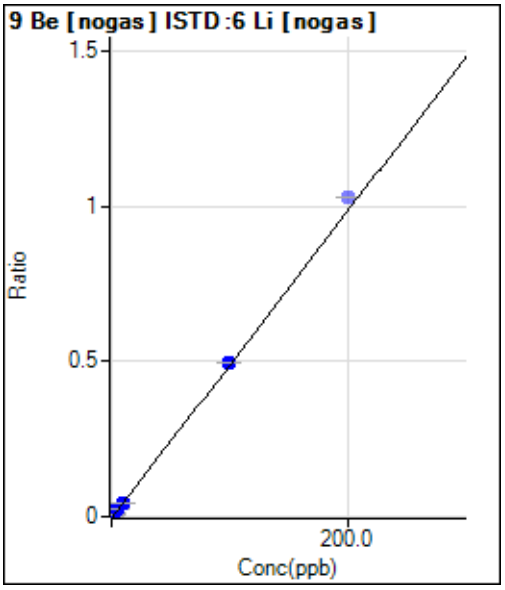
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	89538.50	0.0744	P	1.3	
2	☐	2.000	1.811	121928.64	0.1022	P	0.4	-9.4
3	☐	5.000	4.557	171800.13	0.1442	P	1.5	-8.9
4	☐	10.000	9.489	259403.38	0.2198	P	0.7	-5.1
5	☐	100.000	100.077	1835492.94	1.6072	P	0.5	0.1
6	☑	200.000		3504804.11	3.2401	P	0.0	
7	☐	1.000						

y = 0.0153 * x + 0.0744
R = 1.0000
DL = 0.1831 ppb
BEC = 4.859 ppb

Weight: <None>
Min Conc: <None>

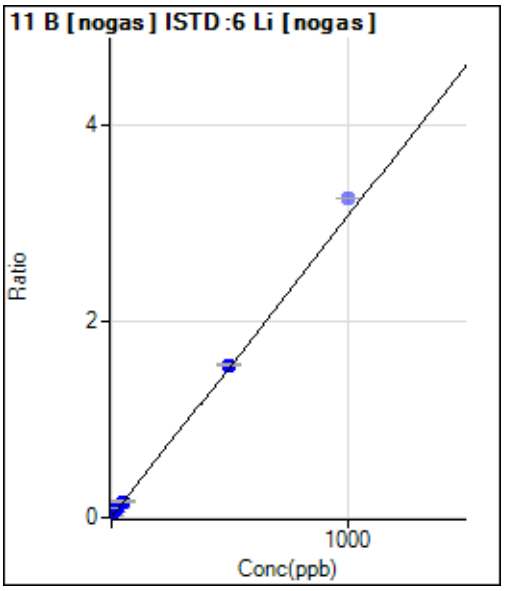


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	55.00	0.0000	P	42.4	
2	☐	2.000	1.865	11089.04	0.0093	P	4.3	-6.7
3	☐	5.000	4.458	26377.42	0.0221	P	1.3	-10.8
4	☐	10.000	9.241	54115.19	0.0458	P	1.5	-7.6
5	☐	100.000	100.106	566689.47	0.4962	P	0.6	0.1
6	☑	200.000		1114645.43	1.0305	P	0.5	
7	☐	1.000						

y = 0.0050 * x + 4.5796E-005
R = 1.0000
DL = 0.01176 ppb
BEC = 0.00924 ppb

Weight: <None>
Min Conc: <None>

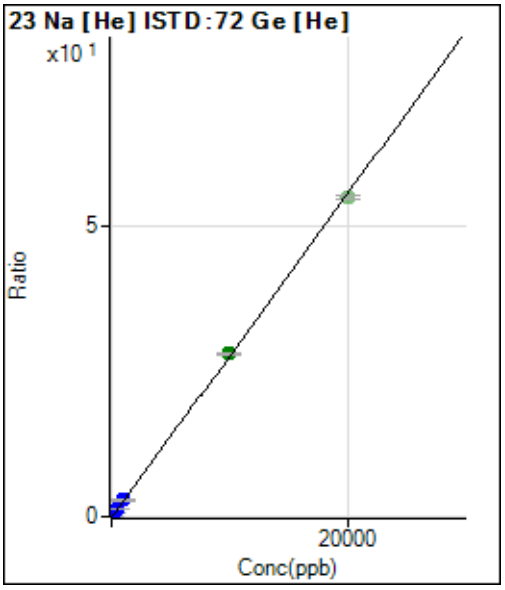
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27875.07	0.0232	P	2.2	
2	☐	10.000	8.843	59961.58	0.0502	P	1.0	-11.6
3	☐	25.000	22.067	108079.16	0.0907	P	1.0	-11.7
4	☐	50.000	46.366	194875.98	0.1651	P	1.7	-7.3
5	☐	500.000	500.533	1776222.68	1.5553	P	1.1	0.1
6	☑	1000.000		3516927.97	3.2512	P	0.4	
7	☐	5.000						

y = 0.0031 * x + 0.0232
R = 1.0000
DL = 0.5095 ppb
BEC = 7.569 ppb

Weight: <None>
Min Conc: <None>

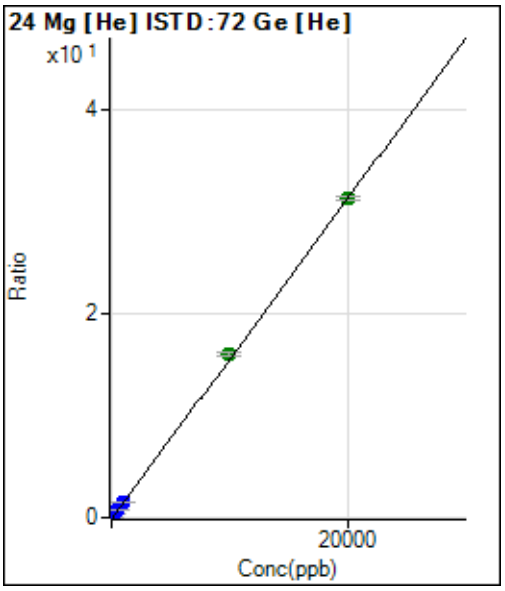


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	55118.46	0.0993	P	1.2	
2	☐	200.000	193.204	356189.47	0.6381	P	1.1	-3.4
3	☐	500.000	467.724	784430.41	1.4037	P	1.0	-6.5
4	☐	1000.000	974.616	1555657.53	2.8173	P	0.6	-2.5
5	☐	10000.00	10004.28	15767510.60	27.9995	A	1.3	0.0
6	☑	20000.00		30363719.55	54.9465	A	1.2	
7	☐	100.000						

y = 0.0028 * x + 0.0993
R = 1.0000
DL = 1.314 ppb
BEC = 35.59 ppb

Weight: <None>
Min Conc: <None>

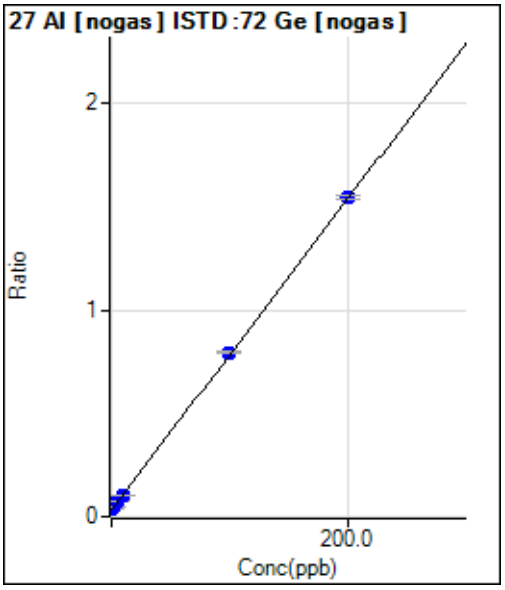
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1826.82	0.0033	P	6.7	
2	☐	200.000	195.847	173481.04	0.3108	P	0.6	-2.1
3	☐	500.000	472.417	416341.53	0.7450	P	0.6	-5.5
4	☐	1000.000	977.613	849341.29	1.5382	P	0.1	-2.2
5	☐	10000.00	10200.20	9020176.32	16.0177	A	1.8	2.0
6	☐	20000.00	19901.74	17267514.32	31.2493	A	1.8	-0.5
7	☐	100.000						

y = 0.0016 * x + 0.0033
R = 0.9999
DL = 0.4229 ppb
BEC = 2.096 ppb

Weight: <None>
Min Conc: <None>

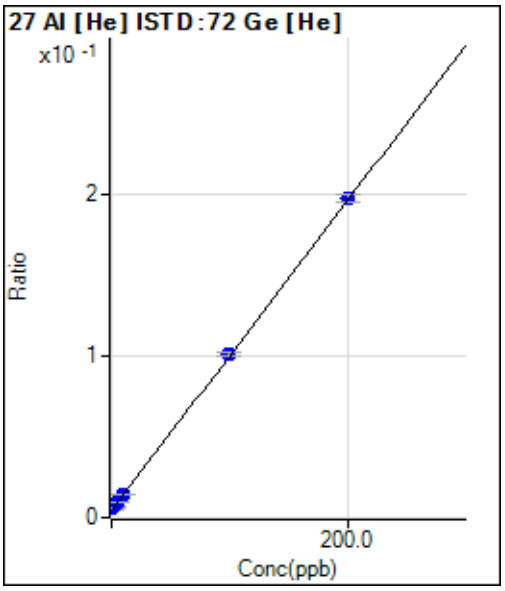


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83060.47	0.0419	P	1.2	
2	☐	2.000	0.759	95059.15	0.0476	P	1.2	-62.1
3	☐	5.000	3.854	140466.43	0.0709	P	1.4	-22.9
4	☐	10.000	8.561	208267.44	0.1063	P	1.3	-14.4
5	☐	100.000	100.190	1585060.34	0.7954	P	1.0	0.2
6	☐	200.000	200.018	3052746.72	1.5461	P	1.3	0.0
7	☐	1.000						

y = 0.0075 * x + 0.0419
R = 1.0000
DL = 0.1991 ppb
BEC = 5.572 ppb

Weight: <None>
Min Conc: <None>

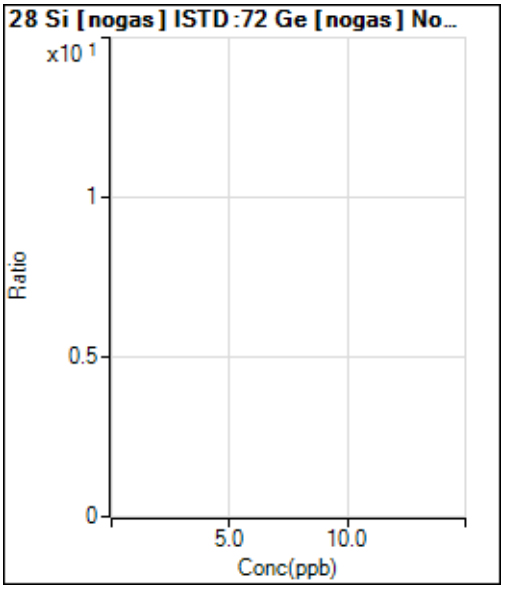
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3047.03	0.0055	P	4.9	
2	☐	2.000	1.272	3743.86	0.0067	P	5.2	-36.4
3	☐	5.000	3.971	5197.65	0.0093	P	2.3	-20.6
4	☐	10.000	9.234	7928.84	0.0144	P	1.6	-7.7
5	☐	100.000	99.764	57089.56	0.1014	P	1.9	-0.2
6	☐	200.000	200.189	109333.20	0.1979	P	2.9	0.1
7	☐	1.000						

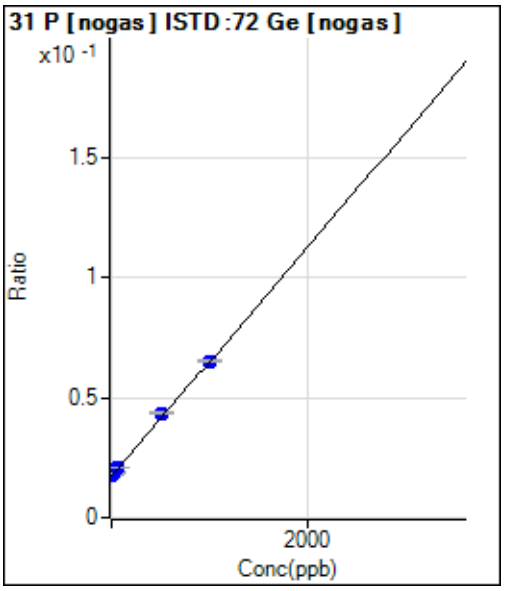
y = 9.6108E-004 * x + 0.0055
R = 1.0000
DL = 0.8444 ppb
BEC = 5.707 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

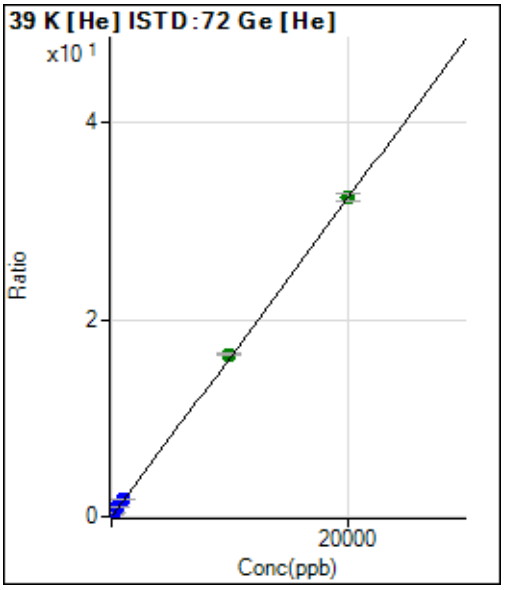
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35591.70	0.0180	P	3.4	
2	☐	10.000	8.294	36647.69	0.0184	P	3.2	-17.1
3	☐	25.000	16.493	37162.16	0.0188	P	1.9	-34.0
4	☐	50.000	66.523	41456.25	0.0212	P	0.6	33.0
5	☐	500.000	529.880	86522.83	0.0434	P	2.0	6.0
6	☐	1000.000	984.463	128867.69	0.0653	P	1.7	-1.6
7	☐	5.000						

y = 4.8056E-005 * x + 0.0180
R = 0.9992
DL = 37.85 ppb
BEC = 373.7 ppb

Weight: <None>
Min Conc: <None>

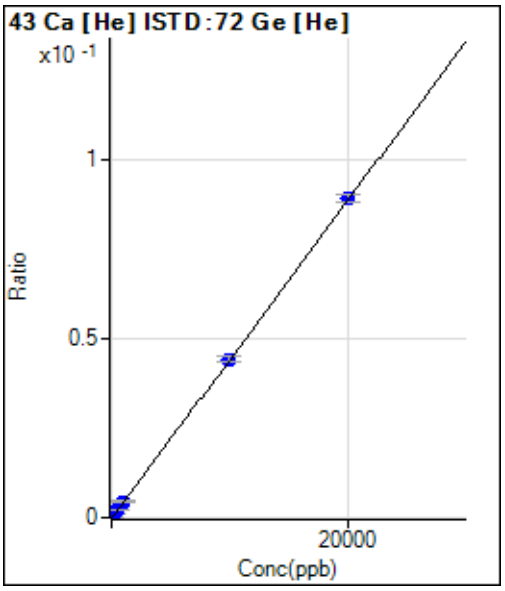


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80941.13	0.1457	P	2.6	
2	☐	200.000	191.067	254018.34	0.4550	P	0.3	-4.5
3	☐	500.000	458.996	496701.36	0.8888	P	0.7	-8.2
4	☐	1000.000	958.654	937403.71	1.6977	P	1.2	-4.1
5	☐	10000.00	10094.33	9285526.11	16.4872	A	1.2	0.9
6	☐	20000.00	19956.01	17930818.07	32.4521	A	2.6	-0.2
7	☐	100.000						

y = 0.0016 * x + 0.1457
R = 1.0000
DL = 7.028 ppb
BEC = 90.02 ppb

Weight: <None>
Min Conc: <None>

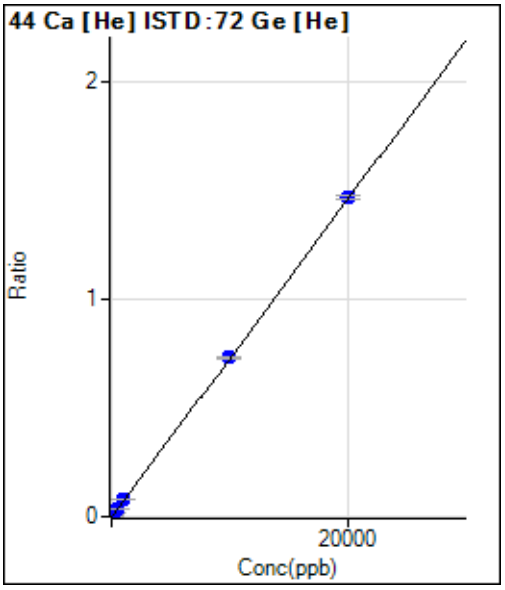
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80.00	0.0001	P	38.3	
2	☐	200.000	185.451	540.02	0.0010	P	15.9	-7.3
3	☐	500.000	460.774	1223.41	0.0022	P	5.0	-7.8
4	☐	1000.000	959.329	2430.26	0.0044	P	9.8	-4.1
5	☐	10000.00	9936.679	24914.04	0.0442	P	2.5	-0.6
6	☐	20000.00	20034.82	49196.70	0.0890	P	2.9	0.2
7	☐	100.000						

y = 4.4371E-006 * x + 1.4428E-004
R = 1.0000
DL = 37.34 ppb
BEC = 32.52 ppb

Weight: <None>
Min Conc: <None>

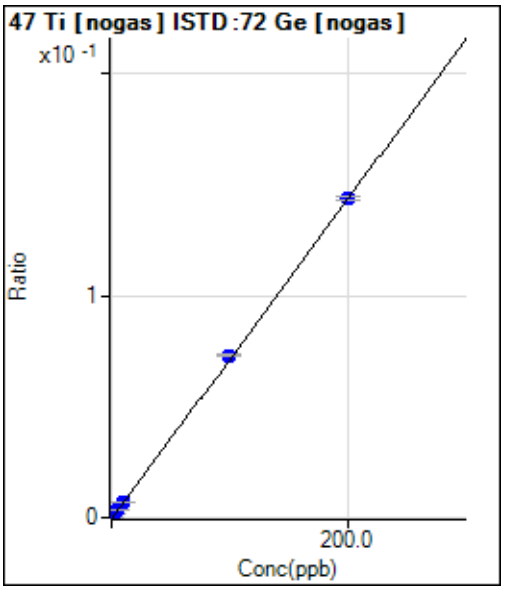


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2380.23	0.0043	P	9.2	
2	☐	200.000	193.329	10273.64	0.0184	P	3.8	-3.3
3	☐	500.000	480.247	21996.24	0.0394	P	0.4	-4.0
4	☐	1000.000	986.690	42158.73	0.0763	P	1.1	-1.3
5	☐	10000.00	9954.616	411829.90	0.7313	P	1.6	-0.5
6	☐	20000.00	20023.91	810526.68	1.4668	P	1.6	0.1
7	☐	100.000						

y = 7.3036E-005 * x + 0.0043
R = 1.0000
DL = 16.15 ppb
BEC = 58.65 ppb

Weight: <None>
Min Conc: <None>

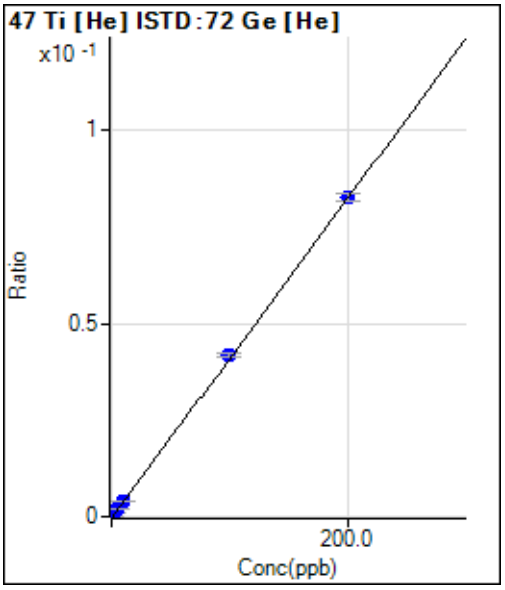
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	176.67	0.0001	P	27.9	
2	☐	2.000	1.974	3017.02	0.0015	P	2.3	-1.3
3	☐	5.000	4.537	6654.92	0.0034	P	0.8	-9.3
4	☐	10.000	9.878	14123.45	0.0072	P	1.6	-1.2
5	☐	100.000	101.077	145330.87	0.0729	P	1.2	1.1
6	☐	200.000	199.480	284003.80	0.1438	P	1.2	-0.3
7	☐	1.000						

y = 7.2062E-004 * x + 8.9068E-005
R = 1.0000
DL = 0.1036 ppb
BEC = 0.1236 ppb

Weight: <None>
Min Conc: <None>

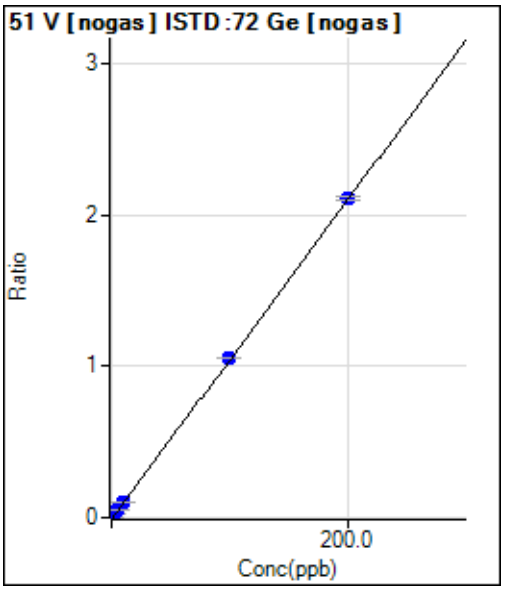


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	65.4	
2	☐	2.000	2.121	513.35	0.0009	P	11.5	6.1
3	☐	5.000	5.061	1193.41	0.0021	P	7.5	1.2
4	☐	10.000	9.606	2216.87	0.0040	P	10.1	-3.9
5	☐	100.000	100.868	23525.20	0.0418	P	2.9	0.9
6	☐	200.000	199.583	45649.16	0.0826	P	2.3	-0.2
7	☐	1.000						

y = 4.1372E-004 * x + 4.2081E-005
R = 1.0000
DL = 0.1997 ppb
BEC = 0.1017 ppb

Weight: <None>
Min Conc: <None>

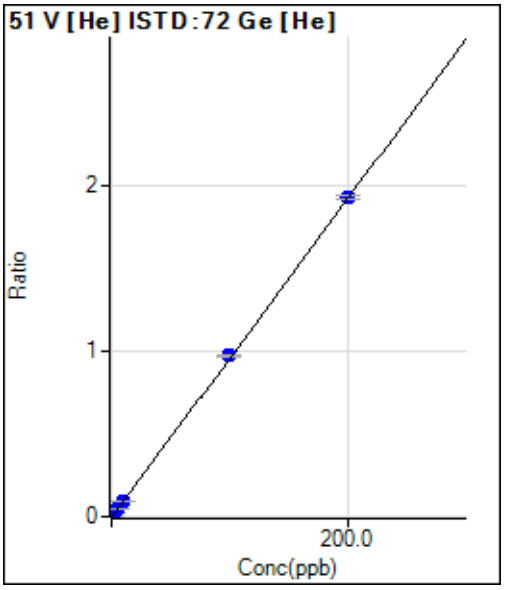
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	185.49	0.0001	P	846.7	
2	☐	2.000	1.960	41487.28	0.0208	P	3.3	-2.0
3	☐	5.000	4.850	101596.41	0.0513	P	3.1	-3.0
4	☐	10.000	9.669	200065.98	0.1021	P	2.4	-3.3
5	☐	100.000	100.173	2106791.64	1.0570	P	0.3	0.2
6	☐	200.000	199.934	4165251.89	2.1095	P	1.2	0.0
7	☐	1.000						

y = 0.0106 * x + 9.9756E-005
R = 1.0000
DL = 0.2402 ppb
BEC = 0.009455 ppb

Weight: <None>
Min Conc: <None>

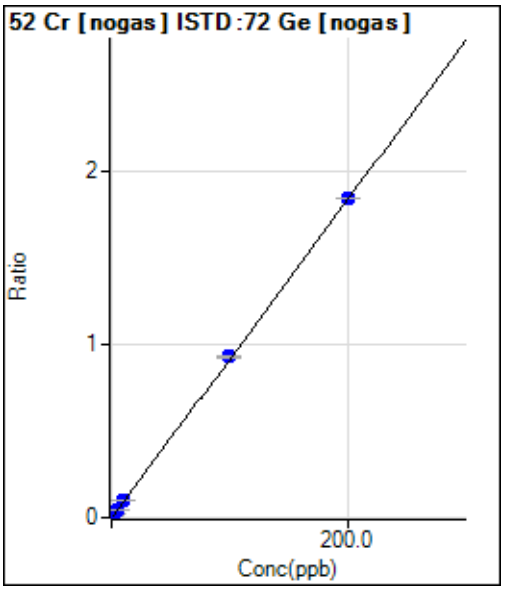


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2427.39	0.0044	P	19.3	
2	☐	2.000	1.845	12340.69	0.0221	P	2.6	-7.8
3	☐	5.000	4.629	27314.18	0.0489	P	6.0	-7.4
4	☐	10.000	9.476	52728.10	0.0955	P	2.8	-5.2
5	☐	100.000	100.422	546320.86	0.9702	P	1.8	0.4
6	☐	200.000	199.826	1064399.33	1.9262	P	1.3	-0.1
7	☐	1.000						

y = 0.0096 * x + 0.0044
R = 1.0000
DL = 0.2628 ppb
BEC = 0.4538 ppb

Weight: <None>
Min Conc: <None>

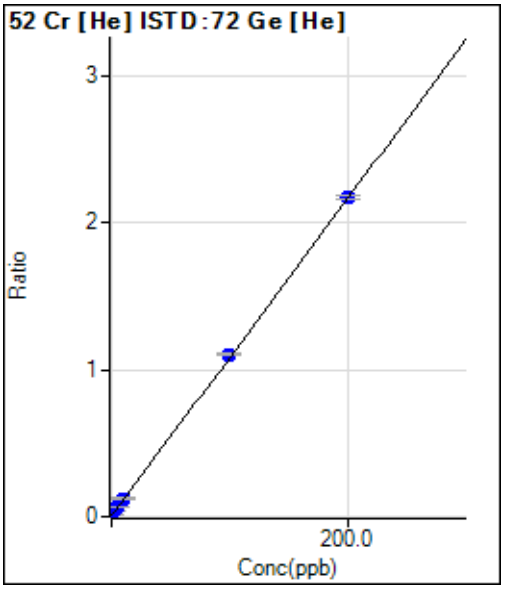
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12745.62	0.0064	P	2.5	
2	☐	2.000	1.855	46879.61	0.0235	P	0.7	-7.3
3	☐	5.000	4.634	97157.33	0.0490	P	0.6	-7.3
4	☐	10.000	9.715	187582.79	0.0957	P	1.2	-2.9
5	☐	100.000	100.538	1854647.94	0.9306	P	0.8	0.5
6	☐	200.000	199.756	3638525.26	1.8427	P	0.6	-0.1
7	☐	1.000						

y = 0.0092 * x + 0.0064
R = 1.0000
DL = 0.05301 ppb
BEC = 0.6995 ppb

Weight: <None>
Min Conc: <None>

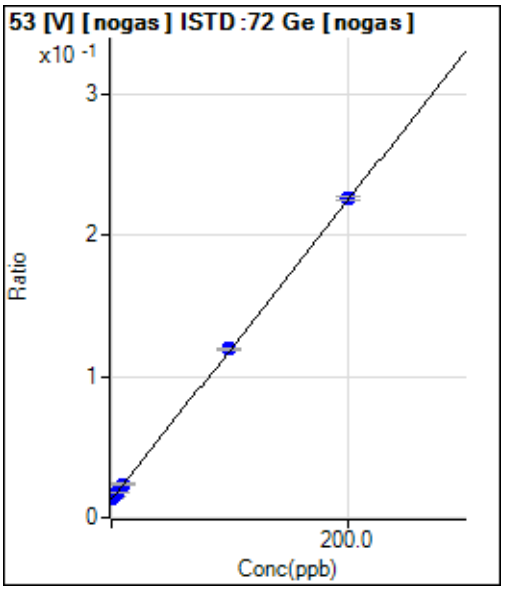


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8826.06	0.0159	P	2.8	
2	☐	2.000	1.766	19536.25	0.0350	P	1.0	-11.7
3	☐	5.000	4.596	36658.03	0.0656	P	2.1	-8.1
4	☐	10.000	10.032	68676.02	0.1244	P	2.2	0.3
5	☐	100.000	100.783	622696.58	1.1058	P	1.6	0.8
6	☐	200.000	199.619	1201749.85	2.1746	P	0.8	-0.2
7	☐	1.000						

y = 0.0108 * x + 0.0159
R = 1.0000
DL = 0.1225 ppb
BEC = 1.47 ppb

Weight: <None>
Min Conc: <None>

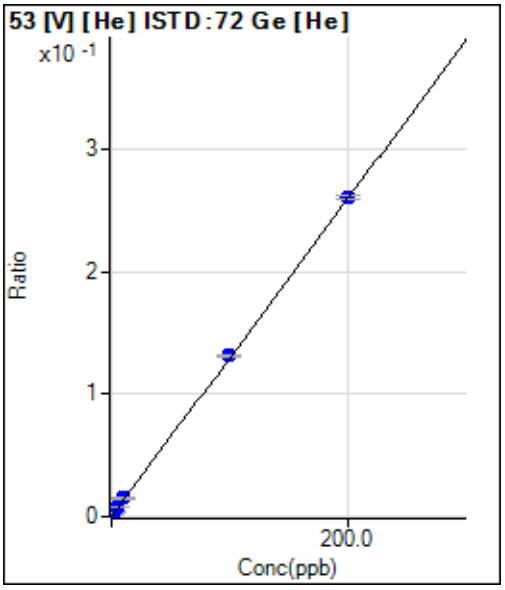
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27812.62	0.0140	P	2.1	
2	☐	2.000	0.623	29325.50	0.0147	P	2.1	-68.8
3	☐	5.000	3.289	34710.24	0.0175	P	0.9	-34.2
4	☐	10.000	9.221	46649.10	0.0238	P	1.3	-7.8
5	☐	100.000	99.482	238166.62	0.1195	P	1.0	-0.5
6	☐	200.000	200.354	447147.26	0.2265	P	0.9	0.2
7	☐	1.000						

y = 0.0011 * x + 0.0140
R = 1.0000
DL = 0.8534 ppb
BEC = 13.23 ppb

Weight: <None>
Min Conc: <None>

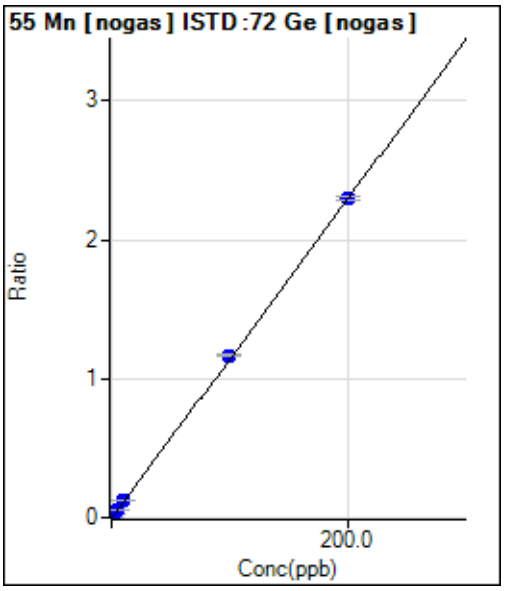


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	876.71	0.0016	P	17.7	
2	☐	2.000	1.791	2180.20	0.0039	P	4.8	-10.4
3	☐	5.000	4.567	4197.33	0.0075	P	8.7	-8.7
4	☐	10.000	10.572	8452.51	0.0153	P	4.8	5.7
5	☐	100.000	100.060	74041.06	0.1315	P	0.6	0.1
6	☐	200.000	199.955	144320.99	0.2612	P	0.8	0.0
7	☐	1.000						

y = 0.0013 * x + 0.0016
R = 1.0000
DL = 0.6454 ppb
BEC = 1.218 ppb

Weight: <None>
Min Conc: <None>

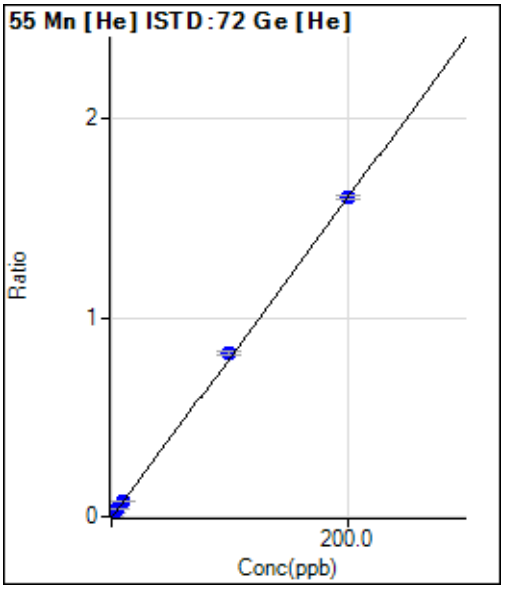
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10533.86	0.0053	P	3.0	
2	☐	2.000	1.933	55013.64	0.0276	P	0.1	-3.3
3	☐	5.000	4.769	119231.71	0.0602	P	1.1	-4.6
4	☐	10.000	9.816	231677.43	0.1182	P	0.4	-1.8
5	☐	100.000	101.204	2330930.38	1.1696	P	0.7	1.2
6	☐	200.000	199.414	4540025.97	2.2994	P	1.1	-0.3
7	☐	1.000						

y = 0.0115 * x + 0.0053
R = 1.0000
DL = 0.04153 ppb
BEC = 0.4619 ppb

Weight: <None>
Min Conc: <None>

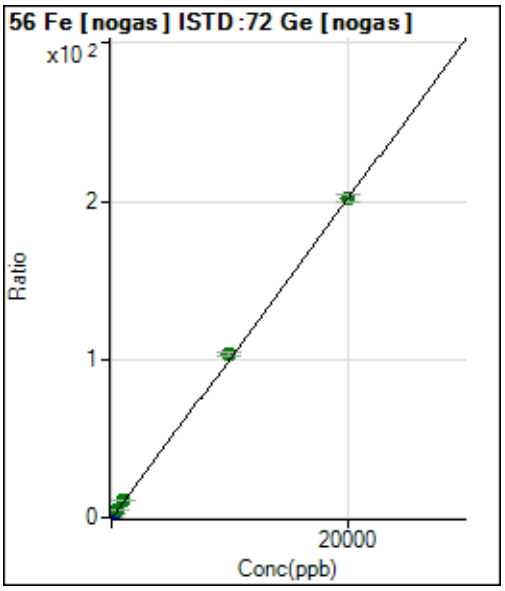


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1186.74	0.0021	P	5.0	
2	☐	2.000	1.863	9556.48	0.0171	P	1.9	-6.8
3	☐	5.000	4.703	22333.53	0.0400	P	3.6	-5.9
4	☐	10.000	9.826	44813.52	0.0812	P	0.8	-1.7
5	☐	100.000	101.650	461527.83	0.8196	P	2.0	1.6
6	☐	200.000	199.193	886424.39	1.6041	P	1.0	-0.4
7	☐	1.000						

y = 0.0080 * x + 0.0021
R = 0.9999
DL = 0.04017 ppb
BEC = 0.2657 ppb

Weight: <None>
Min Conc: <None>

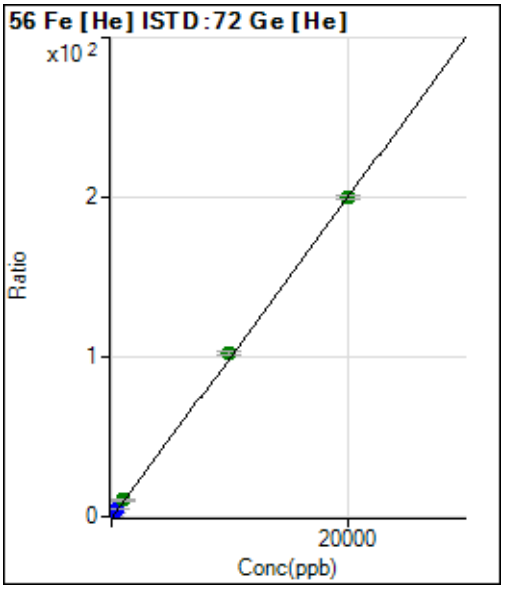
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	796915.12	0.4020	P	0.4	
2	☐	200.000	190.274	4644698.06	2.3264	P	0.5	-4.9
3	☐	500.000	487.703	10570696.51	5.3344	A	0.5	-2.5
4	☐	1000.000	1013.196	20864075.10	10.6490	A	2.0	1.3
5	☐	10000.00	10137.65	205080690.2	102.929	A	2.3	1.4
6	☐	20000.00	19930.91	398738980.7	201.973	A	2.4	-0.3
7	☐	100.000						

y = 0.0101 * x + 0.4020
R = 1.0000
DL = 0.4328 ppb
BEC = 39.75 ppb

Weight: <None>
Min Conc: <None>

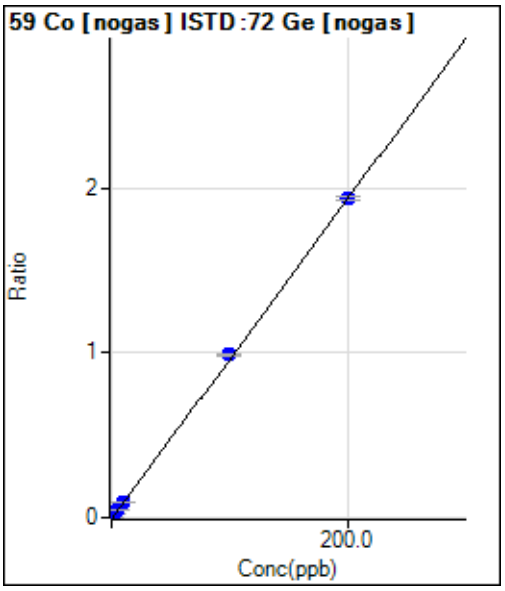


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	19880.01	0.0358	P	2.0	
2	☐	200.000	188.227	1075911.26	1.9274	P	0.6	-5.9
3	☐	500.000	459.521	2600927.56	4.6537	P	1.3	-8.1
4	☐	1000.000	1022.738	5694706.79	10.3137	A	1.7	2.3
5	☐	10000.00	10199.09	57734544.14	102.530	A	2.6	2.0
6	☐	20000.00	19900.44	110529768.3	200.022	A	1.5	-0.5
7	☐	100.000						

y = 0.0100 * x + 0.0358
R = 0.9999
DL = 0.2133 ppb
BEC = 3.562 ppb

Weight: <None>
Min Conc: <None>

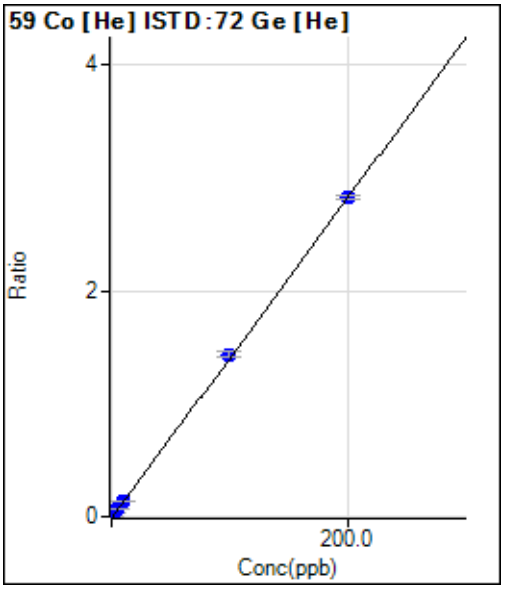
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	553.35	0.0003	P	5.8	
2	☐	2.000	1.968	38763.73	0.0194	P	2.8	-1.6
3	☐	5.000	4.738	91842.52	0.0463	P	0.9	-5.2
4	☐	10.000	9.756	186403.56	0.0951	P	1.4	-2.4
5	☐	100.000	101.543	1967731.06	0.9875	P	2.1	1.5
6	☐	200.000	199.248	3825384.42	1.9374	P	1.4	-0.4
7	☐	1.000						

y = 0.0097 * x + 2.7904E-004
R = 1.0000
DL = 0.004977 ppb
BEC = 0.0287 ppb

Weight: <None>
Min Conc: <None>

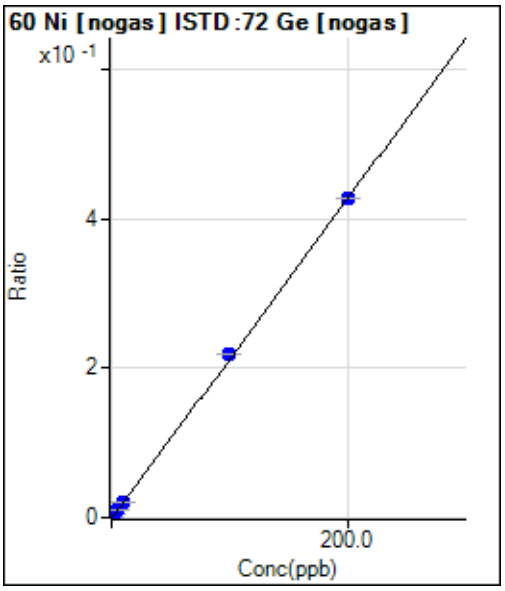


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	210.01	0.0004	P	11.7	
2	☐	2.000	2.013	16158.96	0.0289	P	3.3	0.6
3	☐	5.000	4.860	38760.38	0.0694	P	1.9	-2.8
4	☐	10.000	10.058	79043.47	0.1431	P	1.8	0.6
5	☐	100.000	101.413	810756.47	1.4399	P	2.6	1.4
6	☐	200.000	199.294	1563491.96	2.8292	P	0.8	-0.4
7	☐	1.000						

y = 0.0142 * x + 3.7791E-004
R = 1.0000
DL = 0.009352 ppb
BEC = 0.02662 ppb

Weight: <None>
Min Conc: <None>

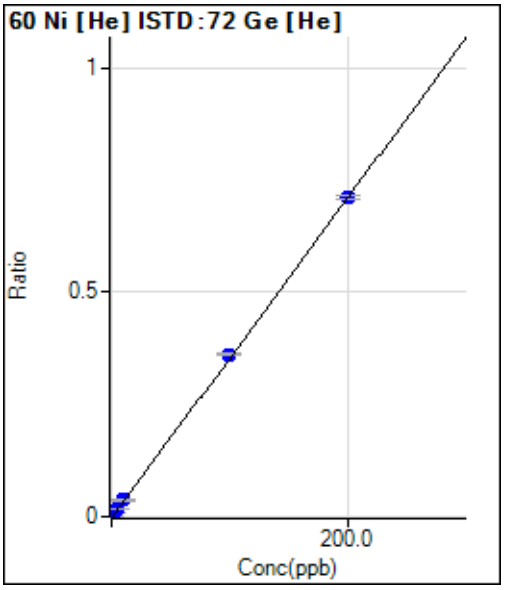
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	826.70	0.0004	P	14.2	
2	☐	2.000	1.945	9162.98	0.0046	P	2.2	-2.8
3	☐	5.000	4.820	21318.72	0.0108	P	1.3	-3.6
4	☐	10.000	9.836	42162.78	0.0215	P	3.0	-1.6
5	☐	100.000	101.977	436861.54	0.2192	P	0.4	2.0
6	☐	200.000	199.025	843922.33	0.4274	P	0.5	-0.5
7	☐	1.000						

y = 0.0021 * x + 4.1739E-004
R = 0.9999
DL = 0.08314 ppb
BEC = 0.1946 ppb

Weight: <None>
Min Conc: <None>

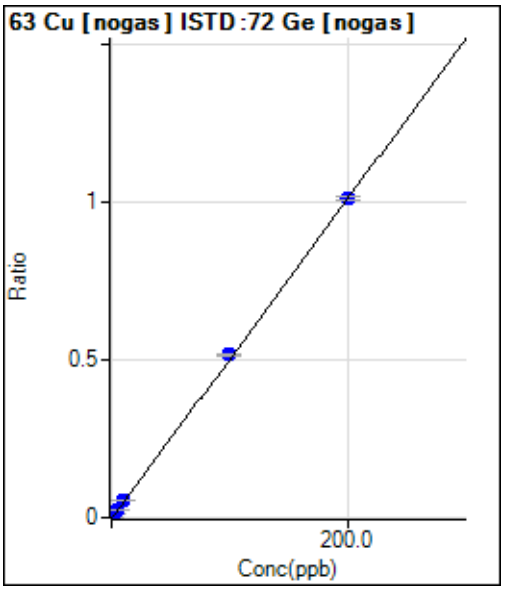


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	296.68	0.0005	P	15.7	
2	☐	2.000	1.934	4150.65	0.0074	P	9.0	-3.3
3	☐	5.000	5.006	10280.35	0.0184	P	5.3	0.1
4	☐	10.000	10.178	20347.42	0.0369	P	3.0	1.8
5	☐	100.000	101.348	203941.28	0.3622	P	1.8	1.3
6	☐	200.000	199.318	393305.03	0.7117	P	1.4	-0.3
7	☐	1.000						

y = 0.0036 * x + 5.3410E-004
R = 1.0000
DL = 0.07064 ppb
BEC = 0.1497 ppb

Weight: <None>
Min Conc: <None>

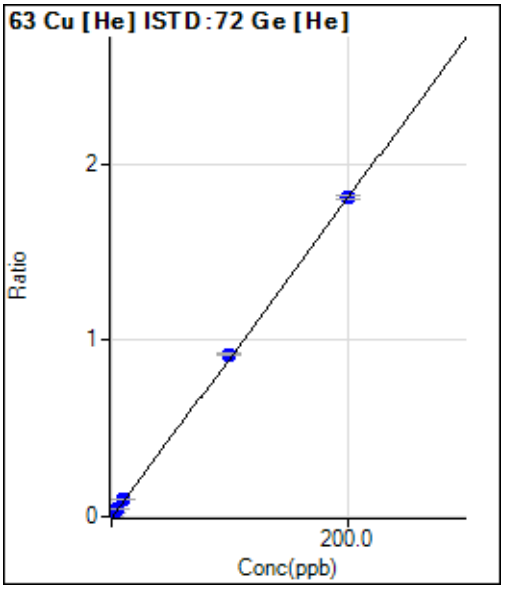
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2173.54	0.0011	P	7.9	
2	☐	2.000	1.972	22136.65	0.0111	P	2.9	-1.4
3	☐	5.000	4.873	51107.20	0.0258	P	1.0	-2.5
4	☐	10.000	10.172	103150.20	0.0526	P	1.4	1.7
5	☐	100.000	101.467	1026765.77	0.5152	P	1.3	1.5
6	☐	200.000	199.261	1995822.05	1.0108	P	0.9	-0.4
7	☐	1.000						

y = 0.0051 * x + 0.0011
R = 1.0000
DL = 0.05136 ppb
BEC = 0.2163 ppb

Weight: <None>
Min Conc: <None>

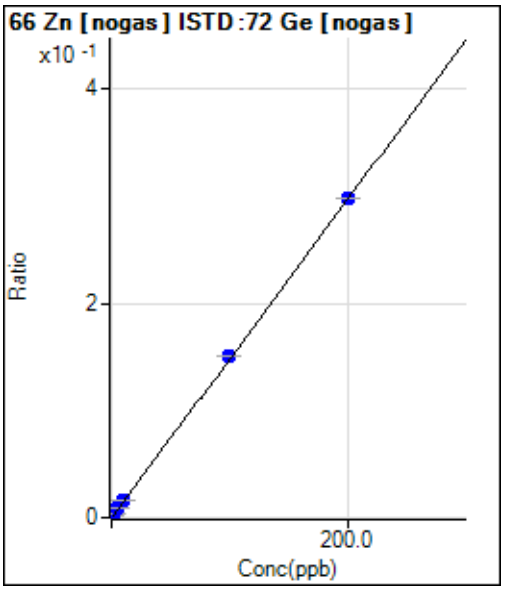


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	746.70	0.0013	P	4.3	
2	☐	2.000	1.983	10790.69	0.0193	P	0.7	-0.9
3	☐	5.000	5.077	26490.40	0.0474	P	3.8	1.5
4	☐	10.000	10.473	53204.73	0.0964	P	1.3	4.7
5	☐	100.000	101.060	517062.63	0.9182	P	0.9	1.1
6	☐	200.000	199.445	1000685.77	1.8107	P	0.8	-0.3
7	☐	1.000						

y = 0.0091 * x + 0.0013
R = 1.0000
DL = 0.01918 ppb
BEC = 0.1482 ppb

Weight: <None>
Min Conc: <None>

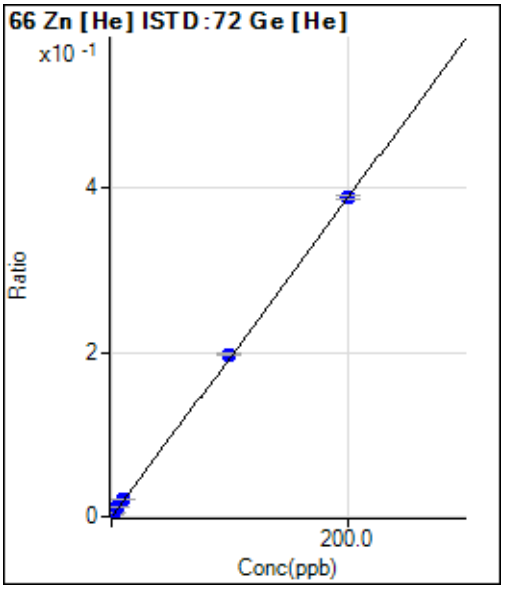
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2386.90	0.0012	P	5.3	
2	☐	2.000	2.106	8662.64	0.0043	P	2.4	5.3
3	☐	5.000	5.075	17350.36	0.0088	P	4.1	1.5
4	☐	10.000	9.915	31272.96	0.0160	P	2.1	-0.8
5	☐	100.000	100.836	301462.22	0.1512	P	0.5	0.8
6	☐	200.000	199.583	588771.34	0.2982	P	0.2	-0.2
7	☐	1.000						

y = 0.0015 * x + 0.0012
R = 1.0000
DL = 0.1292 ppb
BEC = 0.8096 ppb

Weight: <None>
Min Conc: <None>

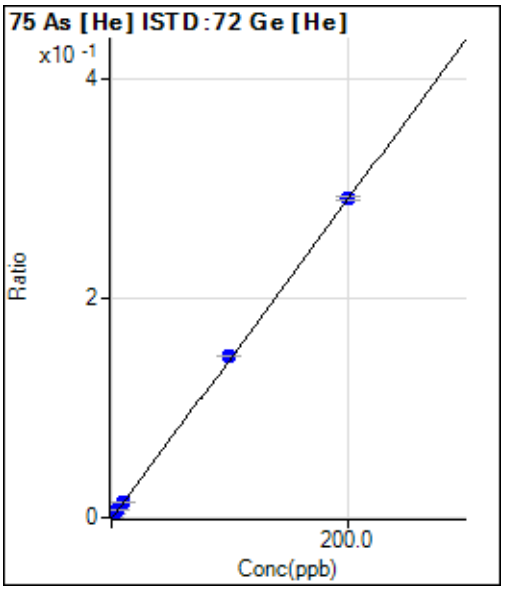


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	786.70	0.0014	P	5.2	
2	☐	2.000	2.063	3027.01	0.0054	P	2.7	3.1
3	☐	5.000	5.353	6601.57	0.0118	P	0.8	7.1
4	☐	10.000	9.955	11457.89	0.0208	P	2.0	-0.5
5	☐	100.000	101.084	111355.98	0.1977	P	0.7	1.1
6	☐	200.000	199.451	214840.81	0.3888	P	1.1	-0.3
7	☐	1.000						

y = 0.0019 * x + 0.0014
R = 1.0000
DL = 0.1134 ppb
BEC = 0.7293 ppb

Weight: <None>
Min Conc: <None>

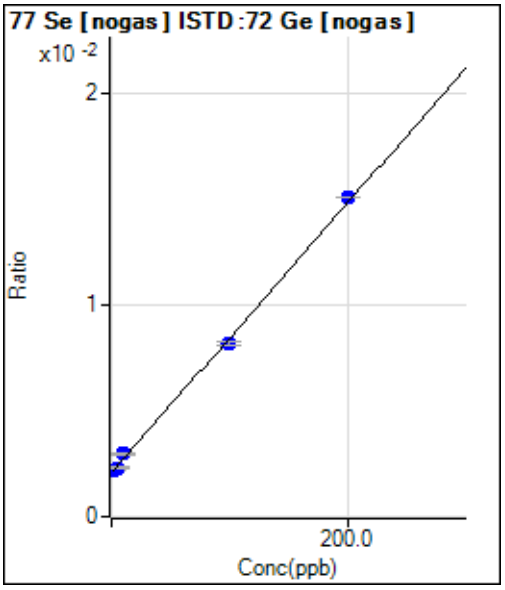
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	165.56	0.0003	P	14.7	
2	☐	2.000	2.058	1842.35	0.0033	P	4.3	2.9
3	☐	5.000	4.938	4191.72	0.0075	P	4.4	-1.2
4	☐	10.000	9.816	8071.12	0.0146	P	3.1	-1.8
5	☐	100.000	100.663	82873.49	0.1471	P	0.3	0.7
6	☐	200.000	199.679	161142.07	0.2916	P	0.9	-0.2
7	☐	1.000						

y = 0.0015 * x + 2.9844E-004
R = 1.0000
DL = 0.09042 ppb
BEC = 0.2046 ppb

Weight: <None>
Min Conc: <None>

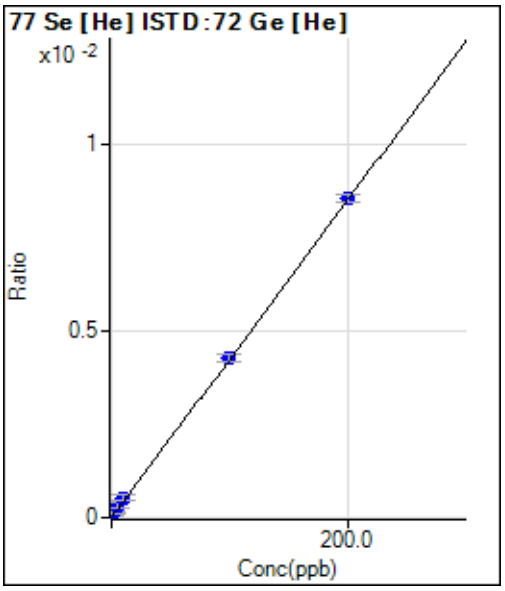


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4307.37	0.0022	P	8.8	
2	☐	2.000	0.051	4347.37	0.0022	P	2.2	-97.5
3	☐	5.000	2.028	4564.12	0.0023	P	5.8	-59.4
4	☐	10.000	12.407	5804.60	0.0030	P	2.2	24.1
5	☐	100.000	94.133	16262.50	0.0082	P	1.7	-5.9
6	☐	200.000	202.907	29760.16	0.0151	P	0.3	1.5
7	☐	1.000						

y = 6.3563E-005 * x + 0.0022
R = 0.9992
DL = 8.985 ppb
BEC = 34.2 ppb

Weight: <None>
Min Conc: <None>

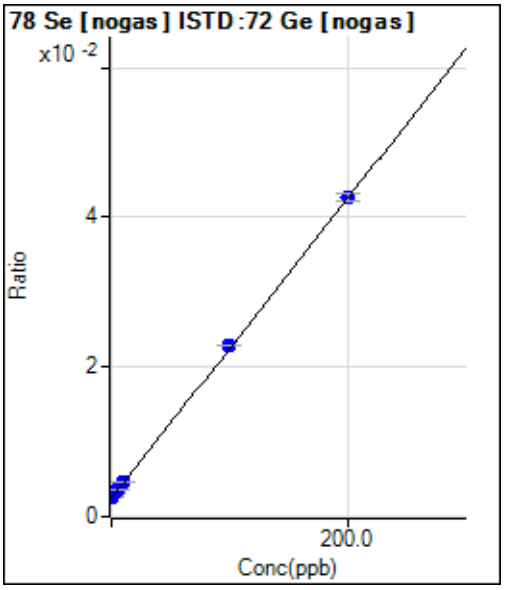
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	66.4	
2	☐	2.000	2.236	76.67	0.0001	P	52.5	11.8
3	☐	5.000	6.315	173.34	0.0003	P	50.2	26.3
4	☐	10.000	11.488	293.34	0.0005	P	31.7	14.9
5	☐	100.000	99.744	2413.58	0.0043	P	4.7	-0.3
6	☐	200.000	200.018	4724.19	0.0085	P	1.9	0.0
7	☐	1.000						

y = 4.2531E-005 * x + 4.2161E-005
R = 1.0000
DL = 1.976 ppb
BEC = 0.9913 ppb

Weight: <None>
Min Conc: <None>

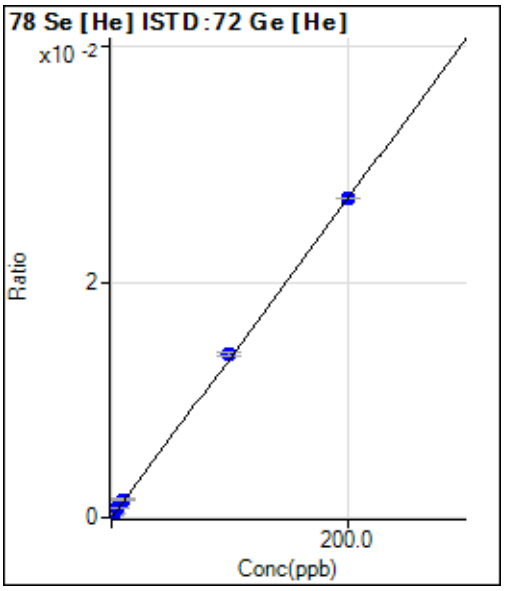


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5347.73	0.0027	P	5.6	
2	☐	2.000	2.494	6388.14	0.0032	P	4.3	24.7
3	☐	5.000	4.688	7208.57	0.0036	P	3.9	-6.2
4	☐	10.000	9.721	9102.96	0.0046	P	3.1	-2.8
5	☐	100.000	100.909	45663.76	0.0229	P	0.5	0.9
6	☐	200.000	199.562	84265.31	0.0427	P	2.0	-0.2
7	☐	1.000						

y = 2.0031E-004 * x + 0.0027
R = 1.0000
DL = 2.243 ppb
BEC = 13.47 ppb

Weight: <None>
Min Conc: <None>

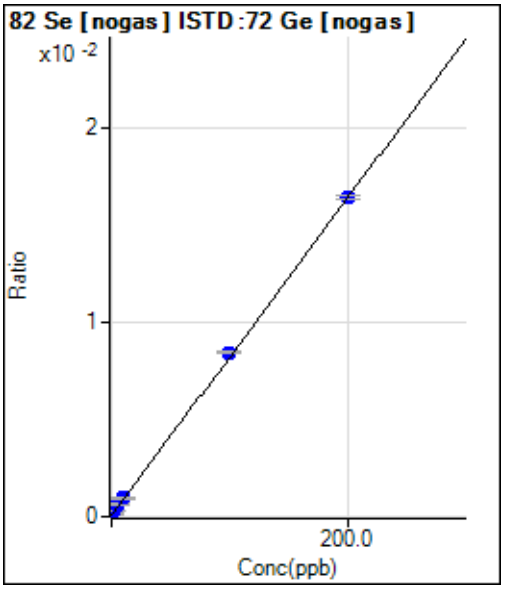
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	74.67	0.0001	P	14.2	
2	☐	2.000	1.589	195.33	0.0003	P	8.5	-20.5
3	☐	5.000	4.563	420.68	0.0008	P	4.1	-8.7
4	☐	10.000	10.168	834.70	0.0015	P	6.5	1.7
5	☐	100.000	101.749	7838.75	0.0139	P	2.6	1.7
6	☐	200.000	199.132	14981.56	0.0271	P	0.2	-0.4
7	☐	1.000						

y = 1.3546E-004 * x + 1.3457E-004
R = 0.9999
DL = 0.4246 ppb
BEC = 0.9935 ppb

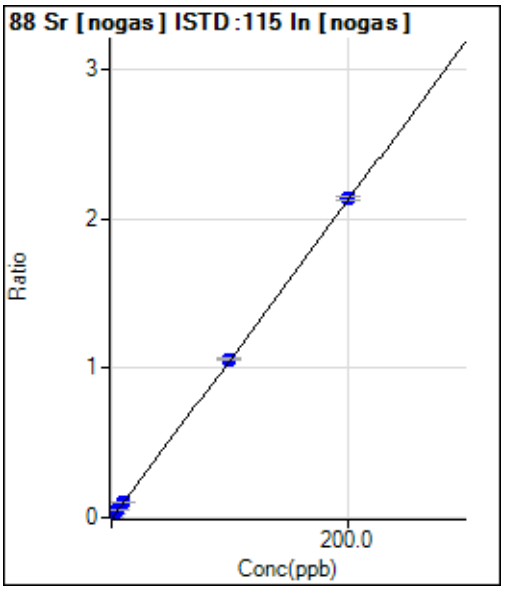
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	280.01	0.0001	P	17.5	
2	☐	2.000	2.083	623.36	0.0003	P	14.8	4.2
3	☐	5.000	5.758	1213.41	0.0006	P	14.5	15.2
4	☐	10.000	10.078	1893.49	0.0010	P	6.2	0.8
5	☐	100.000	101.441	16819.73	0.0084	P	1.5	1.4
6	☐	200.000	199.256	32465.89	0.0164	P	1.6	-0.4
7	☐	1.000						

y = 8.1812E-005 * x + 1.4143E-004
R = 1.0000
DL = 0.9067 ppb
BEC = 1.729 ppb

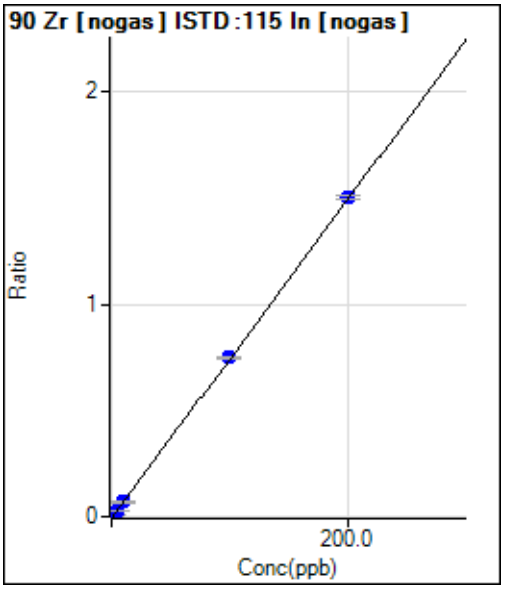
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1416.76	0.0007	P	16.2	
2	☐	2.000	1.910	45798.22	0.0211	P	0.9	-4.5
3	☐	5.000	4.590	107073.38	0.0497	P	1.9	-8.2
4	☐	10.000	9.594	221389.04	0.1032	P	1.6	-4.1
5	☐	100.000	99.193	2292815.17	1.0603	P	0.9	-0.8
6	☐	200.000	200.435	4525561.29	2.1418	P	0.8	0.2
7	☐	1.000						

y = 0.0107 * x + 6.6425E-004
R = 1.0000
DL = 0.03029 ppb
BEC = 0.06218 ppb

Weight: <None>
Min Conc: <None>

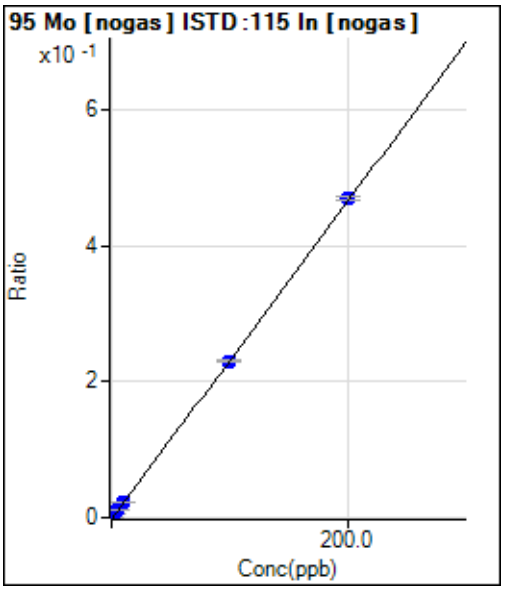


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1413.43	0.0007	P	11.1	
2	☐	2.000	1.433	24801.28	0.0114	P	3.8	-28.4
3	☐	5.000	3.959	65375.31	0.0303	P	3.2	-20.8
4	☐	10.000	9.044	146960.32	0.0685	P	1.9	-9.6
5	☐	100.000	99.577	1615731.64	0.7472	P	0.6	-0.4
6	☐	200.000	200.291	3174006.93	1.5023	P	1.8	0.1
7	☐	1.000						

y = 0.0075 * x + 6.6256E-004
R = 1.0000
DL = 0.02944 ppb
BEC = 0.08837 ppb

Weight: <None>
Min Conc: <None>

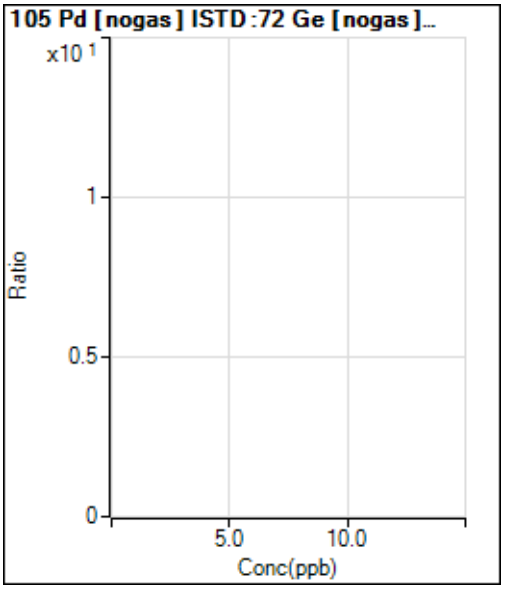
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	260.01	0.0001	P	14.3	
2	☐	2.000	1.860	9740.03	0.0045	P	0.5	-7.0
3	☐	5.000	4.413	22540.97	0.0105	P	6.5	-11.7
4	☐	10.000	9.413	47604.06	0.0222	P	3.1	-5.9
5	☐	100.000	98.325	498449.78	0.2305	P	1.1	-1.7
6	☐	200.000	200.883	994821.18	0.4708	P	1.0	0.4
7	☐	1.000						

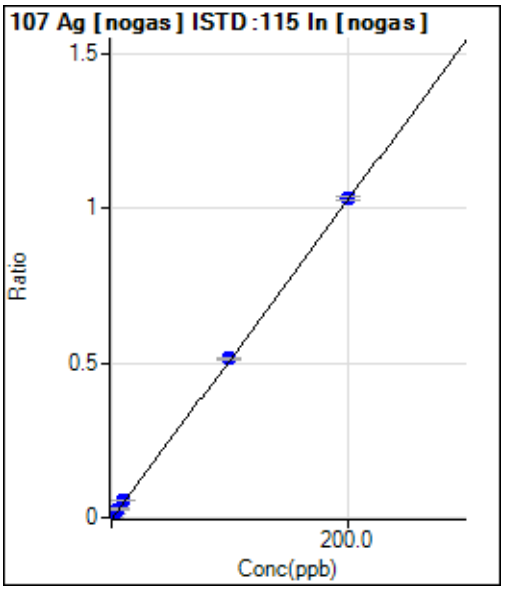
y = 0.0023 * x + 1.2186E-004
R = 1.0000
DL = 0.02238 ppb
BEC = 0.052 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

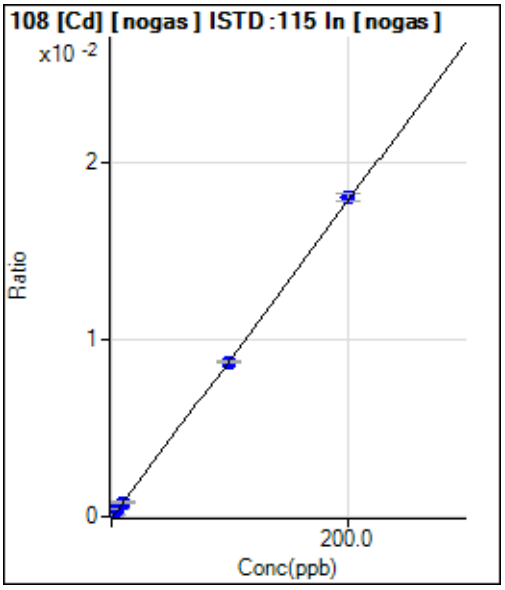
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	70.00	0.0000	P	15.2	
2	☐	2.000	2.260	25399.12	0.0117	P	1.9	13.0
3	☐	5.000	5.362	59632.30	0.0277	P	4.5	7.2
4	☐	10.000	11.082	122687.09	0.0572	P	1.2	10.8
5	☐	100.000	99.501	1109261.67	0.5130	P	0.5	-0.5
6	☐	200.000	200.184	2180558.30	1.0320	P	0.7	0.1
7	☐	1.000						

y = 0.0052 * x + 3.2828E-005
R = 1.0000
DL = 0.00291 ppb
BEC = 0.006368 ppb

Weight: <None>
Min Conc: <None>

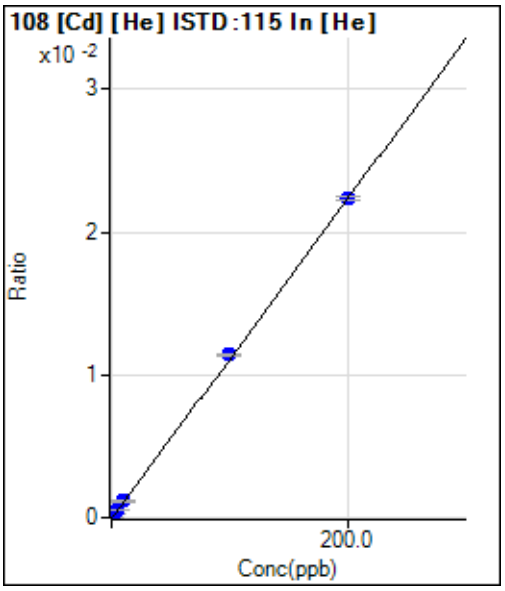


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	1.542	303.34	0.0001	P	17.2	-22.9
3	☐	5.000	4.673	903.38	0.0004	P	10.5	-6.5
4	☐	10.000	9.070	1743.47	0.0008	P	4.1	-9.3
5	☐	100.000	97.311	18815.74	0.0087	P	1.1	-2.7
6	☐	200.000	201.404	38043.53	0.0180	P	2.4	0.7
7	☐	1.000						

y = 8.9402E-005 * x + 1.5422E-006
R = 0.9999
DL = 0.08963 ppb
BEC = 0.01725 ppb

Weight: <None>
Min Conc: <None>

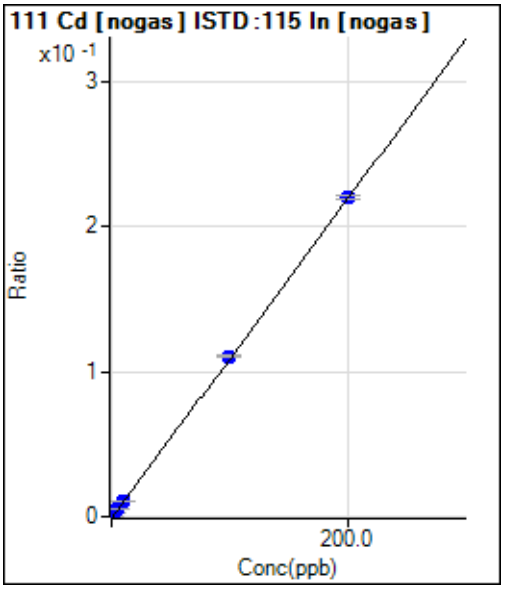
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16.67	0.0000	P	124.9	
2	☐	2.000	1.935	193.34	0.0002	P	8.3	-3.3
3	☐	5.000	4.668	443.35	0.0005	P	5.3	-6.6
4	☐	10.000	10.035	933.38	0.0011	P	6.2	0.3
5	☐	100.000	101.614	9263.12	0.0114	P	0.8	1.6
6	☐	200.000	199.200	17634.24	0.0224	P	1.7	-0.4
7	☐	1.000						

y = 1.1214E-004 * x + 2.0623E-005
R = 1.0000
DL = 0.6888 ppb
BEC = 0.1839 ppb

Weight: <None>
Min Conc: <None>

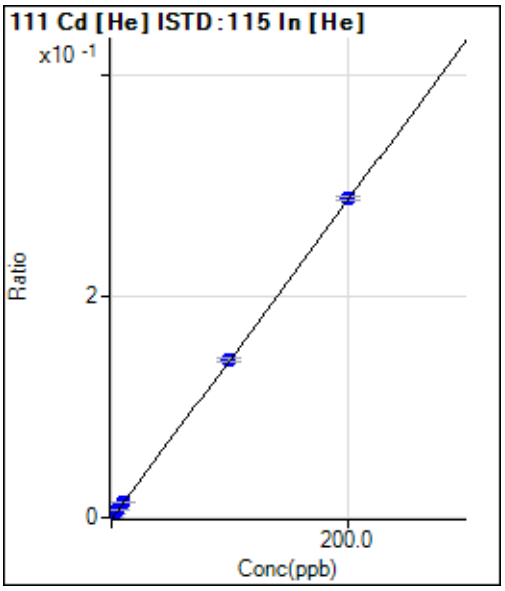


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.09	0.0000	P	91.3	
2	☐	2.000	1.958	4698.80	0.0022	P	1.5	-2.1
3	☐	5.000	4.727	11222.69	0.0052	P	3.2	-5.5
4	☐	10.000	9.748	23040.89	0.0107	P	1.2	-2.5
5	☐	100.000	100.231	238552.62	0.1103	P	0.7	0.2
6	☐	200.000	199.904	464940.00	0.2200	P	0.6	0.0
7	☐	1.000						

y = 0.0011 * x + 6.1735E-006
R = 1.0000
DL = 0.01537 ppb
BEC = 0.005609 ppb

Weight: <None>
Min Conc: <None>

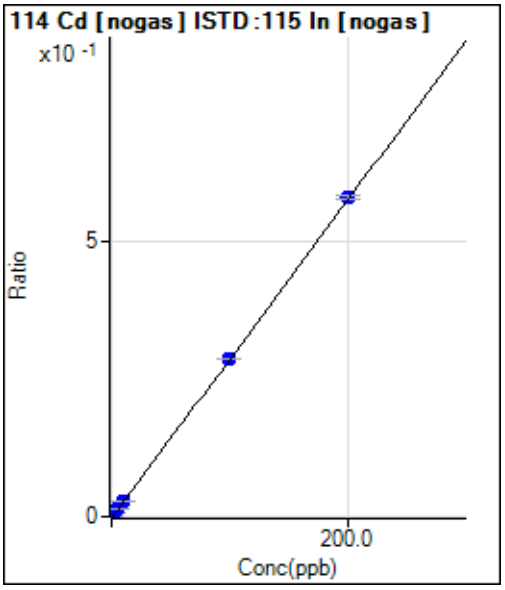
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-17.88	0.0000	P	-124.9	
2	☐	2.000	2.001	2329.47	0.0029	P	5.8	0.0
3	☐	5.000	4.721	5528.97	0.0068	P	3.4	-5.6
4	☐	10.000	9.430	11053.66	0.0136	P	2.4	-5.7
5	☐	100.000	99.463	116323.33	0.1434	P	2.4	-0.5
6	☐	200.000	200.304	227747.17	0.2888	P	1.3	0.2
7	☐	1.000						

y = 0.0014 * x - 2.2128E-005
R = 1.0000
DL = 0.05748 ppb
BEC = -0.01535 ppb

Weight: <None>
Min Conc: <None>

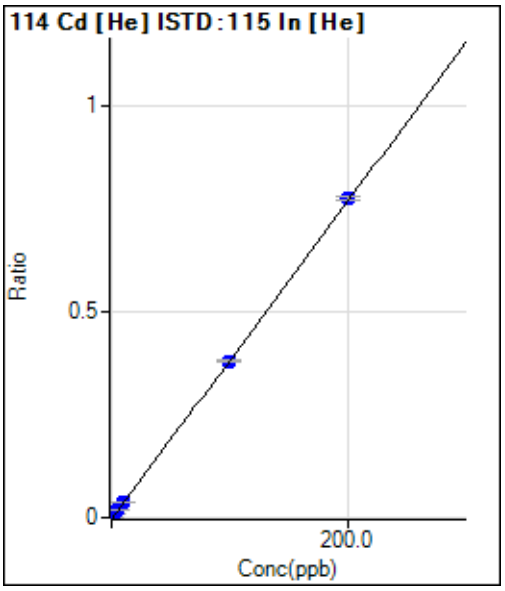


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83.33	0.0000	P	34.2	
2	☐	2.000	1.953	12332.15	0.0057	P	3.2	-2.4
3	☐	5.000	4.602	28692.07	0.0133	P	1.0	-8.0
4	☐	10.000	9.743	60416.19	0.0281	P	1.0	-2.6
5	☐	100.000	98.672	615706.94	0.2847	P	0.2	-1.3
6	☐	200.000	200.687	1223641.67	0.5791	P	1.1	0.3
7	☐	1.000						

y = 0.0029 * x + 3.8986E-005
R = 1.0000
DL = 0.01386 ppb
BEC = 0.01351 ppb

Weight: <None>
Min Conc: <None>

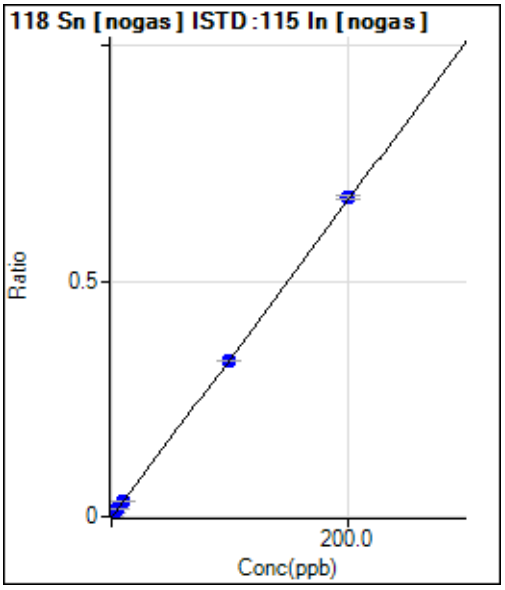
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0000	P	49.4	
2	☐	2.000	1.894	5981.36	0.0073	P	0.6	-5.3
3	☐	5.000	4.665	14691.01	0.0180	P	1.7	-6.7
4	☐	10.000	9.667	30378.77	0.0373	P	0.7	-3.3
5	☐	100.000	98.267	307294.33	0.3788	P	1.3	-1.7
6	☐	200.000	200.893	610615.58	0.7743	P	0.7	0.4
7	☐	1.000						

y = 0.0039 * x + 4.9653E-005
R = 0.9999
DL = 0.01908 ppb
BEC = 0.01288 ppb

Weight: <None>
Min Conc: <None>

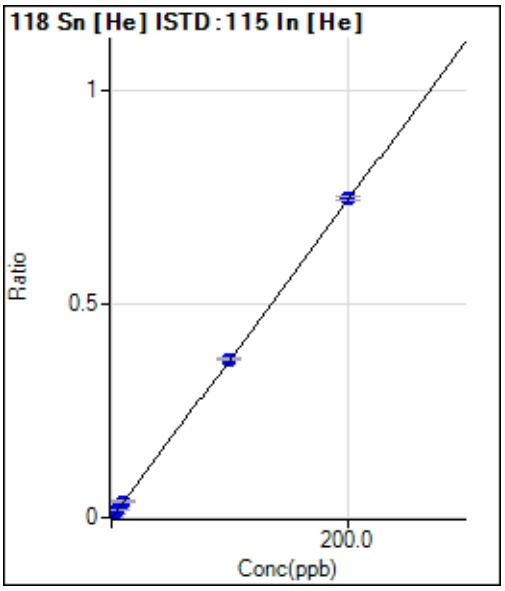


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3197.08	0.0015	P	10.7	
2	☐	2.000	1.860	16856.79	0.0078	P	2.4	-7.0
3	☐	5.000	4.556	36242.50	0.0168	P	2.7	-8.9
4	☐	10.000	9.550	72140.29	0.0336	P	2.1	-4.5
5	☐	100.000	97.969	715614.86	0.3309	P	0.2	-2.0
6	☐	200.000	201.050	1431688.83	0.6776	P	1.0	0.5
7	☐	1.000						

y = 0.0034 * x + 0.0015
R = 0.9999
DL = 0.1429 ppb
BEC = 0.4458 ppb

Weight: <None>
Min Conc: <None>

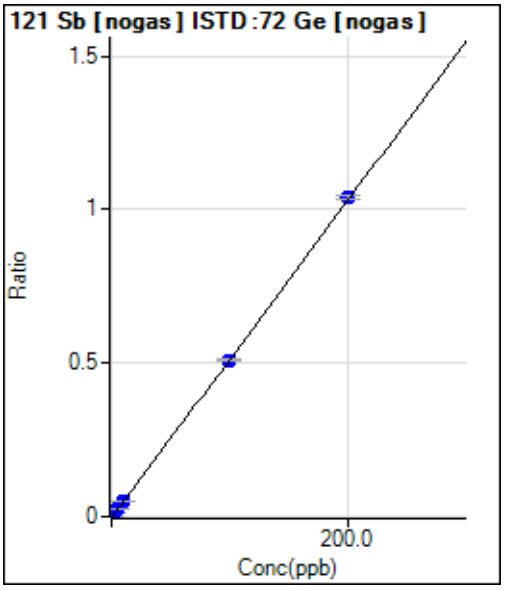
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1450.10	0.0018	P	4.8	
2	☐	2.000	1.834	7021.84	0.0086	P	5.1	-8.3
3	☐	5.000	4.452	14967.95	0.0184	P	1.9	-11.0
4	☐	10.000	9.764	31047.20	0.0381	P	0.9	-2.4
5	☐	100.000	99.323	301194.14	0.3713	P	1.8	-0.7
6	☐	200.000	200.366	589207.28	0.7471	P	0.7	0.2
7	☐	1.000						

y = 0.0037 * x + 0.0018
R = 1.0000
DL = 0.06965 ppb
BEC = 0.4854 ppb

Weight: <None>
Min Conc: <None>

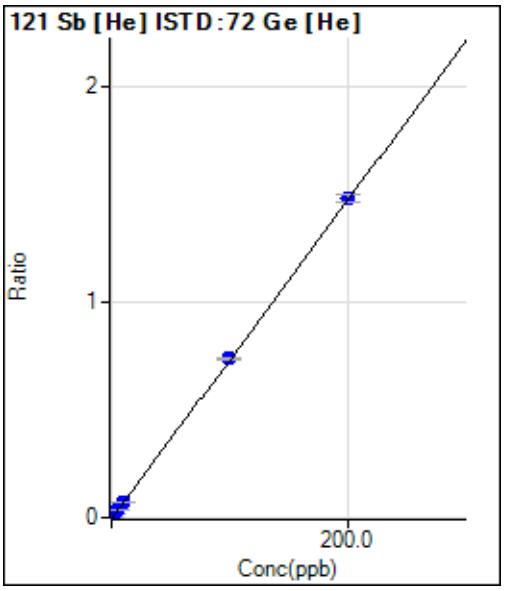


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1093.39	0.0006	P	5.2	
2	☐	2.000	1.958	21332.82	0.0107	P	2.6	-2.1
3	☐	5.000	4.549	47735.90	0.0241	P	5.0	-9.0
4	☐	10.000	9.580	98223.14	0.0501	P	0.6	-4.2
5	☐	100.000	98.195	1013632.54	0.5087	P	1.4	-1.8
6	☐	200.000	200.935	2054123.77	1.0403	P	1.0	0.5
7	☐	1.000						

y = 0.0052 * x + 5.5146E-004
R = 0.9999
DL = 0.01662 ppb
BEC = 0.1066 ppb

Weight: <None>
Min Conc: <None>

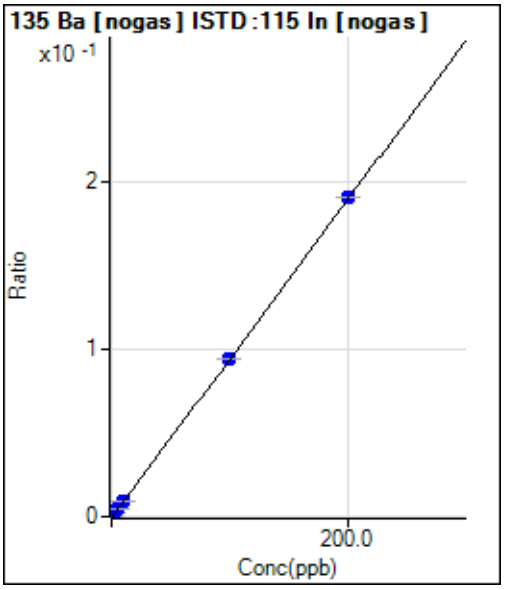
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	510.02	0.0009	P	7.4	
2	☐	2.000	1.909	8382.56	0.0150	P	4.0	-4.5
3	☐	5.000	4.677	19817.31	0.0355	P	1.5	-6.5
4	☐	10.000	9.941	41038.61	0.0743	P	2.8	-0.6
5	☐	100.000	99.593	414661.44	0.7363	P	1.0	-0.4
6	☐	200.000	200.215	817432.70	1.4793	P	1.9	0.1
7	☐	1.000						

y = 0.0074 * x + 9.1857E-004
R = 1.0000
DL = 0.02763 ppb
BEC = 0.1244 ppb

Weight: <None>
Min Conc: <None>

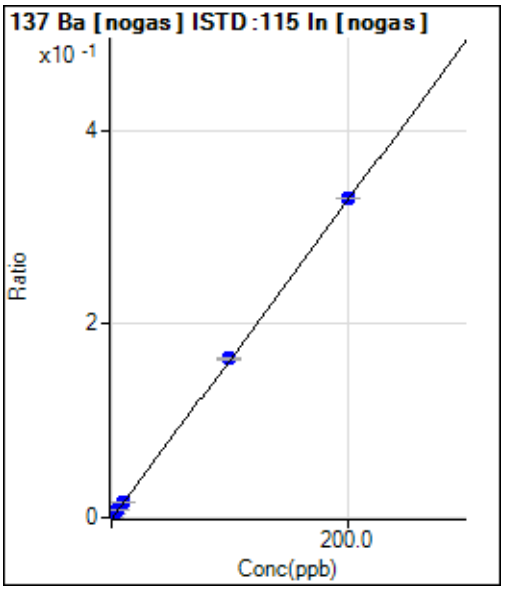


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	213.34	0.0001	P	27.4	
2	☐	2.000	1.922	4200.69	0.0019	P	3.1	-3.9
3	☐	5.000	4.688	9843.55	0.0046	P	2.7	-6.2
4	☐	10.000	9.801	20261.35	0.0094	P	1.7	-2.0
5	☐	100.000	99.158	204565.45	0.0946	P	0.4	-0.8
6	☐	200.000	200.440	403861.40	0.1911	P	0.6	0.2
7	☐	1.000						

y = 9.5310E-004 * x + 9.9800E-005
R = 1.0000
DL = 0.08613 ppb
BEC = 0.1047 ppb

Weight: <None>
Min Conc: <None>

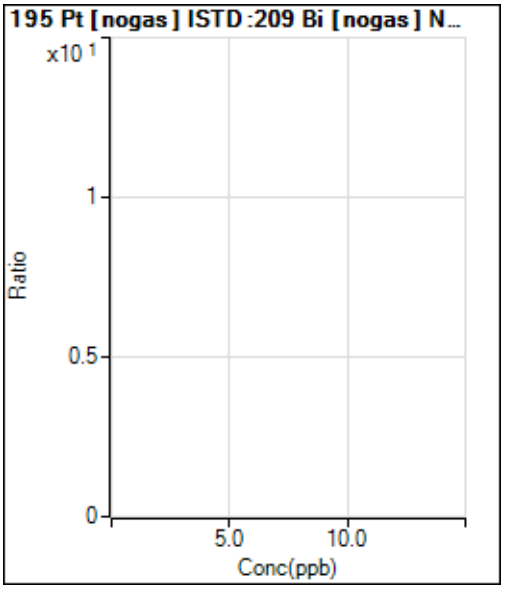
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	430.02	0.0002	P	16.1	
2	☐	2.000	2.012	7645.49	0.0035	P	1.9	0.6
3	☐	5.000	4.818	17541.04	0.0081	P	1.4	-3.6
4	☐	10.000	9.592	34358.39	0.0160	P	0.3	-4.1
5	☐	100.000	99.510	355045.10	0.1642	P	0.3	-0.5
6	☐	200.000	200.270	697760.67	0.3302	P	0.5	0.1
7	☐	1.000						

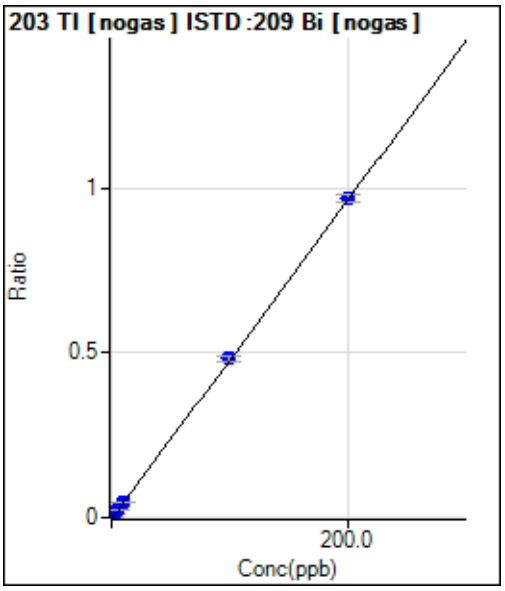
y = 0.0016 * x + 2.0131E-004
R = 1.0000
DL = 0.05897 ppb
BEC = 0.1222 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

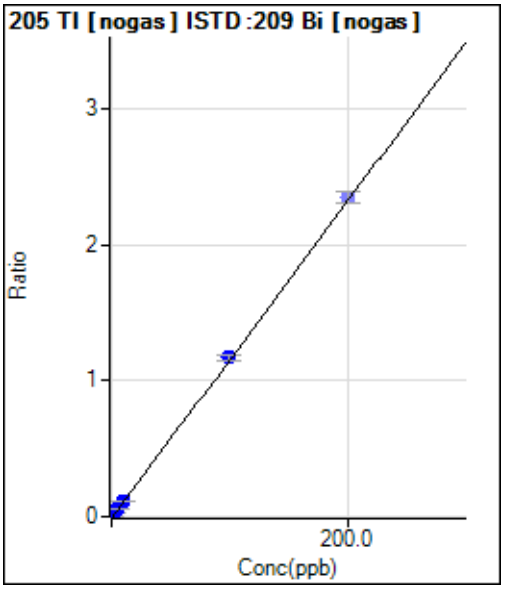
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66.67	0.0000	P	48.3	
2	☐	2.000	1.860	17878.61	0.0090	P	2.2	-7.0
3	☐	5.000	4.637	44262.01	0.0225	P	4.2	-7.3
4	☐	10.000	9.454	90189.84	0.0458	P	3.1	-5.5
5	☐	100.000	99.607	935578.94	0.4820	P	3.3	-0.4
6	☐	200.000	200.234	1857620.91	0.9689	P	2.9	0.1
7	☐	1.000						

y = 0.0048 * x + 3.3388E-005
R = 1.0000
DL = 0.009994 ppb
BEC = 0.0069 ppb

Weight: <None>
Min Conc: <None>

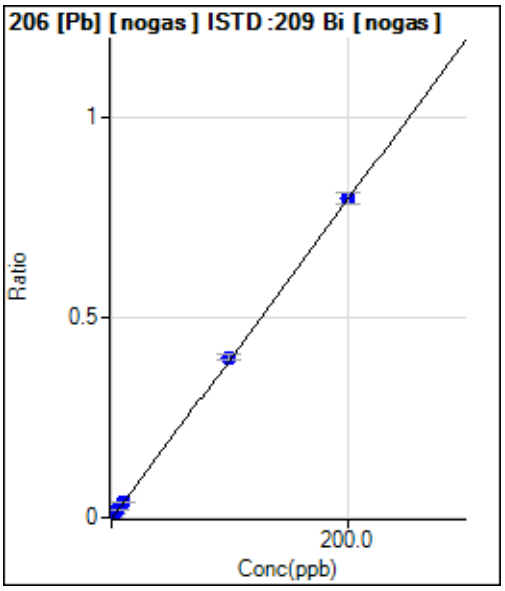


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	203.34	0.0001	P	11.0	
2	☐	2.000	1.829	42499.46	0.0215	P	1.3	-8.6
3	☐	5.000	4.623	106634.03	0.0541	P	2.5	-7.5
4	☐	10.000	9.396	216509.41	0.1099	P	3.4	-6.0
5	☐	100.000	100.083	2270385.49	1.1696	P	3.2	0.1
6	☑	200.000		4509075.97	2.3519	P	3.2	
7	☐	1.000						

y = 0.0117 * x + 1.0180E-004
R = 1.0000
DL = 0.002883 ppb
BEC = 0.008711 ppb

Weight: <None>
Min Conc: <None>

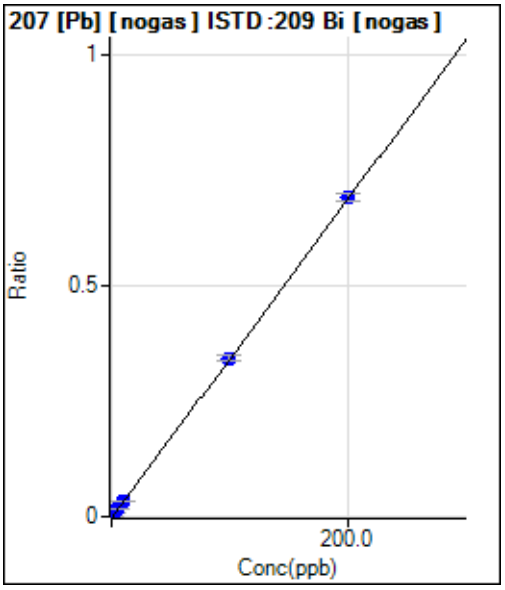
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	300.01	0.0002	P	31.3	
2	☐	2.000	1.936	15609.16	0.0079	P	1.6	-3.2
3	☐	5.000	4.710	37368.01	0.0190	P	2.3	-5.8
4	☐	10.000	9.635	76146.06	0.0386	P	1.2	-3.7
5	☐	100.000	100.421	779006.76	0.4013	P	2.7	0.4
6	☐	200.000	199.816	1530640.97	0.7984	P	3.1	-0.1
7	☐	1.000						

y = 0.0040 * x + 1.5003E-004
R = 1.0000
DL = 0.03526 ppb
BEC = 0.03756 ppb

Weight: <None>
Min Conc: <None>

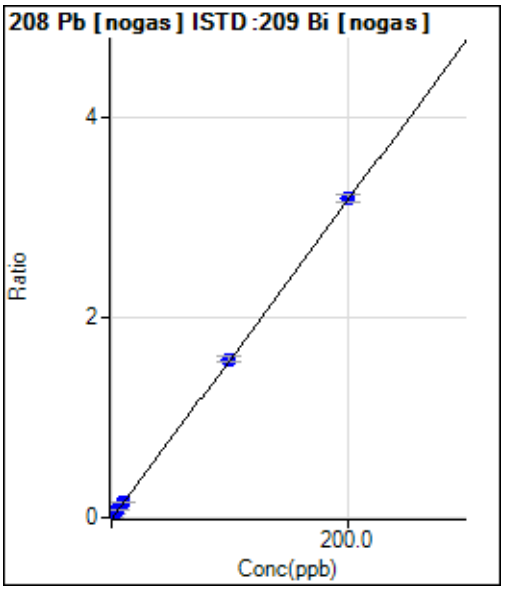


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	370.01	0.0002	P	22.0	
2	☐	2.000	1.928	13520.22	0.0068	P	4.6	-3.6
3	☐	5.000	4.642	31897.68	0.0162	P	3.4	-7.2
4	☐	10.000	9.516	65014.78	0.0330	P	2.6	-4.8
5	☐	100.000	99.496	666311.53	0.3432	P	2.9	-0.5
6	☐	200.000	200.286	1324416.20	0.6908	P	2.8	0.1
7	☐	1.000						

y = 0.0034 * x + 1.8507E-004
R = 1.0000
DL = 0.03535 ppb
BEC = 0.05367 ppb

Weight: <None>
Min Conc: <None>

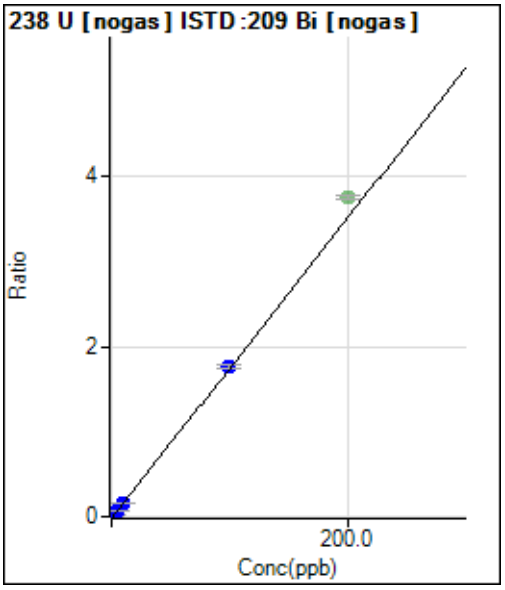
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1466.73	0.0007	P	8.4	
2	☐	2.000	1.925	62169.81	0.0314	P	2.5	-3.7
3	☐	5.000	4.643	147198.54	0.0747	P	2.8	-7.1
4	☐	10.000	9.564	301722.54	0.1531	P	2.2	-4.4
5	☐	100.000	99.492	3078833.00	1.5860	P	2.5	-0.5
6	☐	200.000	200.285	6120024.62	3.1921	P	2.9	0.1
7	☐	1.000						

y = 0.0159 * x + 7.3447E-004
R = 1.0000
DL = 0.0116 ppb
BEC = 0.04609 ppb

Weight: <None>
Min Conc: <None>

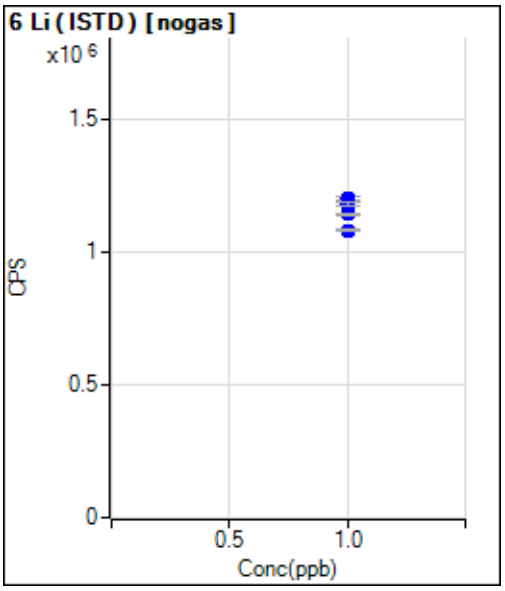


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	343.34	0.0002	P	7.4	
2	☐	2.000	1.847	64924.54	0.0328	P	3.4	-7.6
3	☐	5.000	4.414	153934.20	0.0781	P	2.3	-11.7
4	☐	10.000	9.358	325971.88	0.1655	P	3.0	-6.4
5	☐	100.000	100.097	3432208.07	1.7681	P	2.9	0.1
6	☑	200.000		7201468.64	3.7555	A	1.4	
7	☐	1.000						

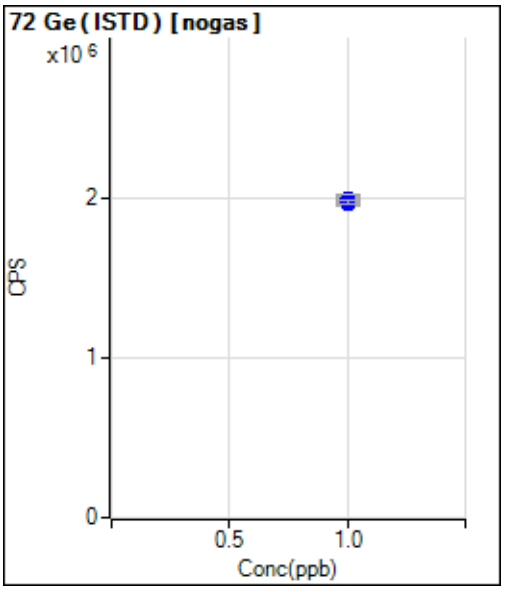
y = 0.0177 * x + 1.7207E-004
R = 1.0000
DL = 0.002159 ppb
BEC = 0.009742 ppb

Weight: <None>
Min Conc: <None>

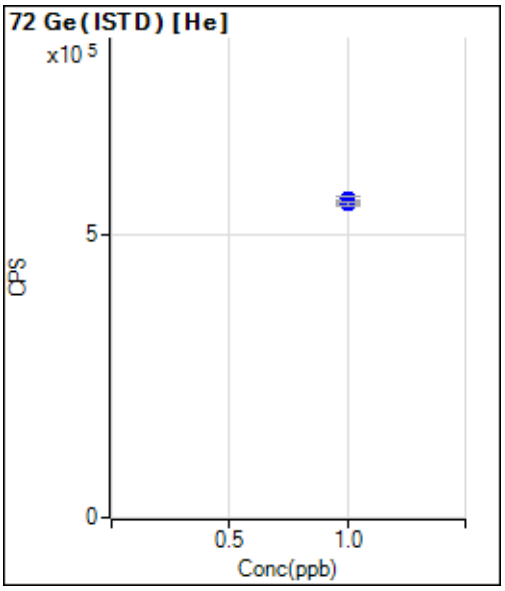
Calibration for 018_ICV.d



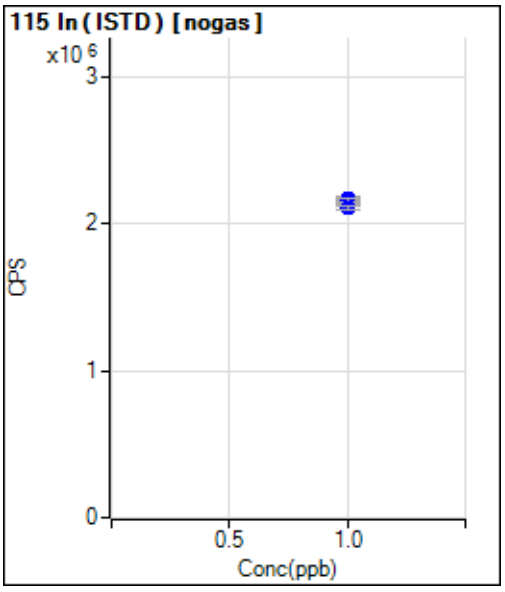
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1203227.74		P	0.8	
2	☐	1.000		1193508.93		P	0.6	
3	☐	1.000		1191395.91		P	0.9	
4	☐	1.000		1180471.97		P	1.2	
5	☐	1.000		1142066.80		P	0.9	
6	☐	1.000		1081711.07		P	0.5	
7	☐	1.000						



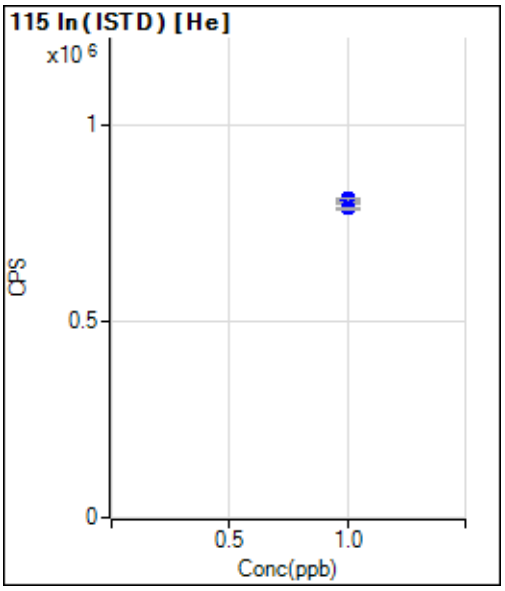
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1982231.74		P	1.2	
2	☐	1.000		1996595.18		P	1.1	
3	☐	1.000		1981613.57		P	0.4	
4	☐	1.000		1959499.40		P	1.1	
5	☐	1.000		1993151.17		P	2.4	
6	☐	1.000		1974624.14		P	1.3	
7	☐	1.000						



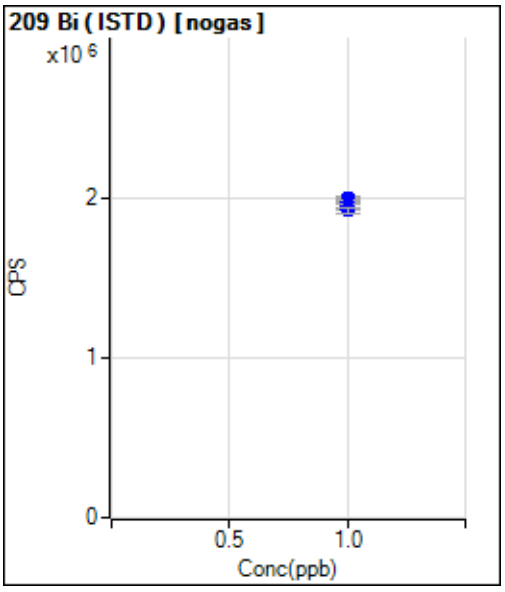
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		555354.84		P	1.1	
2	☐	1.000		558225.14		P	0.3	
3	☐	1.000		558866.96		P	0.6	
4	☐	1.000		552184.09		P	0.6	
5	☐	1.000		563184.17		P	1.0	
6	☐	1.000		552656.27		P	1.3	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2134542.14		P	1.1	
2	☐	1.000		2173965.33		P	1.0	
3	☐	1.000		2154782.79		P	0.6	
4	☐	1.000		2146212.30		P	0.6	
5	☐	1.000		2162352.09		P	1.6	
6	☐	1.000		2112971.74		P	1.0	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		803215.99		P	1.0	
2	☐	1.000		813832.25		P	0.5	
3	☐	1.000		814931.63		P	0.3	
4	☐	1.000		814303.97		P	0.6	
5	☐	1.000		811383.27		P	1.4	
6	☐	1.000		788653.90		P	0.8	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1995496.43		P	1.4	
2	☐	1.000		1979649.71		P	1.0	
3	☐	1.000		1970568.15		P	1.1	
4	☐	1.000		1970733.30		P	1.6	
5	☐	1.000		1941631.12		P	1.4	
6	☐	1.000		1917907.31		P	1.8	
7	☐	1.000						

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	011CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:00:17-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	55	75.75
B	11	1	nogas	27875	0.01
Al	27	1	nogas	83060	0.00
P	31	1	nogas	35592	0.01
Ti	47	1	nogas	177	16.13
Ni	60	1	nogas	827	1.62
Cu	63	1	nogas	2174	0.41
Zn	66	1	nogas	2387	0.17
Se	77	1	nogas	4307	0.19
Se	82	1	nogas	280	5.84
Sr	88	1	nogas	1417	1.09
Mo	95	1	nogas	260	5.33
Ag	107	1	nogas	70	20.41
Cd	111	1	nogas	13	698.49
Sn	118	1	nogas	3197	0.30
Sb	121	1	nogas	1093	0.54
Ba	137	1	nogas	430	3.90
Tl	205	1	nogas	203	6.09
Pb	208	1	nogas	1467	0.67
Li	7	1	nogas	89539	0.00
Na	23	2	He	55118	0.00
Mg	24	2	He	1827	0.33
Al	27	2	He	3047	0.20
K	39	2	He	80941	0.00
Ca	43	2	He	80	46.88
Ca	44	2	He	2380	0.43
V	51	2	He	2427	0.84
Cr	52	2	He	8826	0.02
Mn	55	2	He	1187	0.41
Fe	56	2	He	19880	0.01
Co	59	2	He	210	6.00
Ni	60	2	He	297	5.37
Cu	63	2	He	747	0.58
Zn	66	2	He	787	0.73
As	75	2	He	166	8.28
Sb	121	2	He	510	1.39
Se	78	2	He	75	17.70

Calibration Blank Report

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Ge	72	1	nogas	1982232	1.20
In	115	1	nogas	2134542	1.10

Calibration Blank Report

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	1	nogas	1203228	0.76
Bi	209	1	nogas	1995496	1.35
Ge	72	2	He	555355	1.15
In	115	2	He	803216	1.00

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	012CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:02:24-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	11089	0.04
B	11	1	nogas	59962	0.00
Al	27	1	nogas	95059	0.00
P	31	1	nogas	36648	0.01
Ti	47	1	nogas	3017	0.04
Ni	60	1	nogas	9163	0.03
Cu	63	1	nogas	22137	0.01
Zn	66	1	nogas	8663	0.04
Se	77	1	nogas	4347	0.06
Se	82	1	nogas	623	2.54
Sr	88	1	nogas	45798	0.00
Mo	95	1	nogas	9740	0.01
Ag	107	1	nogas	25399	0.01
Cd	111	1	nogas	4699	0.05
Sn	118	1	nogas	16857	0.02
Sb	121	1	nogas	21333	0.02
Ba	137	1	nogas	7645	0.04
Tl	205	1	nogas	42499	0.00
Pb	208	1	nogas	62170	0.00
Na	23	2	He	356189	0.00
Mg	24	2	He	173481	0.00
Al	27	2	He	3744	0.13
K	39	2	He	254018	0.00
Ca	43	2	He	540	2.99
Ca	44	2	He	10274	0.04
V	51	2	He	12341	0.02
Cr	52	2	He	19536	0.00
Mn	55	2	He	9556	0.02
Fe	56	2	He	1075911	0.00
Co	59	2	He	16159	0.02
Ni	60	2	He	4151	0.21
Cu	63	2	He	10791	0.01
Zn	66	2	He	3027	0.10
As	75	2	He	1842	0.23
Sb	121	2	He	8383	0.05
Se	78	2	He	195	4.46

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1996595	1.14	1982232	100.72	70	120	
In	115	1	nogas	2173965	1.05	2134542	101.85	70	120	
Li	6	1	nogas	1193509	0.60	1203228	99.19	70	120	
Bi	209	1	nogas	1979650	1.01	1995496	99.21	70	120	
Ge	72	2	He	558225	0.31	555355	100.52	70	120	
In	115	2	He	813832	0.49	803216	101.32	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	013CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:04:34-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	26377	0.01
B	11	1	nogas	108079	0.00
Al	27	1	nogas	140466	0.00
P	31	1	nogas	37162	0.01
Ti	47	1	nogas	6655	0.01
Ni	60	1	nogas	21319	0.01
Cu	63	1	nogas	51107	0.00
Zn	66	1	nogas	17350	0.02
Se	77	1	nogas	4564	0.13
Se	82	1	nogas	1213	1.17
Sr	88	1	nogas	107073	0.00
Mo	95	1	nogas	22541	0.03
Ag	107	1	nogas	59632	0.01
Cd	111	1	nogas	11223	0.02
Sn	118	1	nogas	36242	0.01
Sb	121	1	nogas	47736	0.01
Ba	137	1	nogas	17541	0.01
Tl	205	1	nogas	106634	0.00
Pb	208	1	nogas	147199	0.00
Na	23	2	He	784430	0.00
Mg	24	2	He	416342	0.00
Al	27	2	He	5198	0.04
K	39	2	He	496701	0.00
Ca	43	2	He	1223	0.44
Ca	44	2	He	21996	0.00
V	51	2	He	27314	0.02
Cr	52	2	He	36658	0.00
Mn	55	2	He	22334	0.02
Fe	56	2	He	2600928	0.00
Co	59	2	He	38760	0.01
Ni	60	2	He	10280	0.05
Cu	63	2	He	26490	0.01
Zn	66	2	He	6602	0.02
As	75	2	He	4192	0.09
Sb	121	2	He	19817	0.01
Se	78	2	He	421	1.11

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1981614	0.40	1982232	99.97	70	120	
In	115	1	nogas	2154783	0.65	2134542	100.95	70	120	
Li	6	1	nogas	1191396	0.87	1203228	99.02	70	120	
Bi	209	1	nogas	1970568	1.10	1995496	98.75	70	120	
Ge	72	2	He	558867	0.60	555355	100.63	70	120	
In	115	2	He	814932	0.30	803216	101.46	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/1000
Data File Name	014CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:06:43-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	54115	0.00
B	11	1	nogas	194876	0.00
Al	27	1	nogas	208267	0.00
P	31	1	nogas	41456	0.00
Ti	47	1	nogas	14123	0.01
Ni	60	1	nogas	42163	0.01
Cu	63	1	nogas	103150	0.00
Zn	66	1	nogas	31273	0.01
Se	77	1	nogas	5805	0.02
Se	82	1	nogas	1893	0.38
Sr	88	1	nogas	221389	0.00
Mo	95	1	nogas	47604	0.01
Ag	107	1	nogas	122687	0.00
Cd	111	1	nogas	23041	0.01
Sn	118	1	nogas	72140	0.00
Sb	121	1	nogas	98223	0.00
Ba	137	1	nogas	34358	0.00
Tl	205	1	nogas	216509	0.00
Pb	208	1	nogas	301723	0.00
Na	23	2	He	1555658	0.00
Mg	24	2	He	849341	0.00
Al	27	2	He	7929	0.02
K	39	2	He	937404	0.00
Ca	43	2	He	2430	0.41
Ca	44	2	He	42159	0.00
V	51	2	He	52728	0.00
Cr	52	2	He	68676	0.00
Mn	55	2	He	44814	0.00
Fe	56	2	He	5694707	0.00
Co	59	2	He	79043	0.00
Ni	60	2	He	20347	0.01
Cu	63	2	He	53205	0.00
Zn	66	2	He	11458	0.02
As	75	2	He	8071	0.03
Sb	121	2	He	41039	0.01
Se	78	2	He	835	0.73

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1959499	1.07	1982232	98.85	70	120	
In	115	1	nogas	2146212	0.61	2134542	100.55	70	120	
Li	6	1	nogas	1180472	1.19	1203228	98.11	70	120	
Bi	209	1	nogas	1970733	1.61	1995496	98.76	70	120	
Ge	72	2	He	552184	0.60	555355	99.43	70	120	
In	115	2	He	814304	0.63	803216	101.38	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	015CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:08:50-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	566689	0.00
B	11	1	nogas	1776223	0.00
Al	27	1	nogas	1585060	0.00
P	31	1	nogas	86523	0.00
Ti	47	1	nogas	145331	0.00
Ni	60	1	nogas	436862	0.00
Cu	63	1	nogas	1026766	0.00
Zn	66	1	nogas	301462	0.00
Se	77	1	nogas	16262	0.02
Se	82	1	nogas	16820	0.01
Sr	88	1	nogas	2292815	0.00
Mo	95	1	nogas	498450	0.00
Ag	107	1	nogas	1109262	0.00
Cd	111	1	nogas	238553	0.00
Sn	118	1	nogas	715615	0.00
Sb	121	1	nogas	1013633	0.00
Ba	137	1	nogas	355045	0.00
Tl	205	1	nogas	2270385	0.00
Pb	208	1	nogas	3078833	0.00
Na	23	2	He	15767511	0.00
Mg	24	2	He	9020176	0.00
Al	27	2	He	57090	0.00
K	39	2	He	9285526	0.00
Ca	43	2	He	24914	0.01
Ca	44	2	He	411830	0.00
V	51	2	He	546321	0.00
Cr	52	2	He	622697	0.00
Mn	55	2	He	461528	0.00
Fe	56	2	He	57734544	0.00
Co	59	2	He	810756	0.00
Ni	60	2	He	203941	0.00
Cu	63	2	He	517063	0.00
Zn	66	2	He	111356	0.00
As	75	2	He	82873	0.00
Sb	121	2	He	414661	0.00
Se	78	2	He	7839	0.04

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1993151	2.37	1982232	100.55	70	120	
In	115	1	nogas	2162352	1.57	2134542	101.30	70	120	
Li	6	1	nogas	1142067	0.93	1203228	94.92	70	120	
Bi	209	1	nogas	1941631	1.38	1995496	97.30	70	120	
Ge	72	2	He	563184	1.04	555355	101.41	70	120	
In	115	2	He	811383	1.35	803216	101.02	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	016CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:10:55-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	1114645	0.00
B	11	1	nogas	3516928	0.00
Al	27	1	nogas	3052747	0.00
P	31	1	nogas	128868	0.00
Ti	47	1	nogas	284004	0.00
Ni	60	1	nogas	843922	0.00
Cu	63	1	nogas	1995822	0.00
Zn	66	1	nogas	588771	0.00
Se	77	1	nogas	29760	0.00
Se	82	1	nogas	32466	0.00
Sr	88	1	nogas	4525561	0.00
Mo	95	1	nogas	994821	0.00
Ag	107	1	nogas	2180558	0.00
Cd	111	1	nogas	464940	0.00
Sn	118	1	nogas	1431689	0.00
Sb	121	1	nogas	2054124	0.00
Ba	137	1	nogas	697761	0.00
Tl	205	1	nogas	4509076	0.00
Pb	208	1	nogas	6120025	0.00
Na	23	2	He	30363720	0.00
Mg	24	2	He	17267514	0.00
Al	27	2	He	109333	0.00
K	39	2	He	17930818	0.00
Ca	43	2	He	49197	0.00
Ca	44	2	He	810527	0.00
V	51	2	He	1064399	0.00
Cr	52	2	He	1201750	0.00
Mn	55	2	He	886424	0.00
Fe	56	2	He	110529768	0.00
Co	59	2	He	1563492	0.00
Ni	60	2	He	393305	0.00
Cu	63	2	He	1000686	0.00
Zn	66	2	He	214841	0.00
As	75	2	He	161142	0.00
Sb	121	2	He	817433	0.00
Se	78	2	He	14982	0.01

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1974624	1.27	1982232	99.62	70	120	
In	115	1	nogas	2112972	1.05	2134542	98.99	70	120	
Li	6	1	nogas	1081711	0.51	1203228	89.90	70	120	
Bi	209	1	nogas	1917907	1.78	1995496	96.11	70	120	
Ge	72	2	He	552656	1.33	555355	99.51	70	120	
In	115	2	He	788654	0.81	803216	98.19	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICV
Data File Name	018_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:16:38-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	100.241	0.410	566595	0.53	100	100.2	90	110	
B	11	1	nogas	486.117	1.802	1723143	1.83	500	97.2	90	110	
Al	27	1	nogas	97.509	1.834	1575547	1.21	100	97.5	90	110	
P	31	1	nogas	2394.419	1.050	270399	1.87	500	478.9	90	110	ICV Main CR1 Failed
Ti	47	1	nogas	99.577	0.621	146047	2.06	100	99.6	90	110	
Ni	60	1	nogas	99.028	2.143	432587	0.45	100	99.0	90	110	
Cu	63	1	nogas	98.671	1.452	1018531	2.15	100	98.7	90	110	
Zn	66	1	nogas	98.879	1.771	301470	1.34	100	98.9	90	110	
Se	77	1	nogas	92.057	2.892	16313	2.41	100	92.1	90	110	
Se	82	1	nogas	97.256	1.452	16466	3.77	100	97.3	90	110	
Sr	88	1	nogas	98.783	2.945	2283263	2.60	100	98.8	90	110	
Mo	95	1	nogas	95.717	3.002	485251	2.67	100	95.7	90	110	
Ag	107	1	nogas	106.776	3.056	1190340	2.69	100	106.8	90	110	
Cd	111	1	nogas	98.944	2.666	235502	2.38	100	98.9	90	110	
Sn	118	1	nogas	99.141	1.272	724147	0.94	100	99.1	90	110	
Sb	121	1	nogas	99.436	1.233	1046983	2.01	100	99.4	90	110	
Ba	137	1	nogas	98.879	1.869	352785	1.49	100	98.9	90	110	
Tl	205	1	nogas	97.995	1.993	2271232	1.45	100	98.0	90	110	
Pb	208	1	nogas	97.686	2.607	3072826	2.04	100	97.7	90	110	
U	238	1	nogas	100.697	2.966	3509785	2.28	100	100.7	90	110	
Li	7	1	nogas	97.895	0.755	1794564	0.44	100	97.9	90	110	
Ba	135	1	nogas	97.857	1.609	201898	1.39	100	97.9	90	110	
Tl	203	1	nogas	98.792	2.395	943298	1.76	100	98.8	90	110	
Na	23	2	He	9939.740	1.426	15372897	0.74	10000	99.4	90	110	
Mg	24	2	He	10093.572	1.849	8876118	1.03	10000	100.9	90	110	
Al	27	2	He	101.338	2.965	57608	1.98	100	101.3	90	110	
K	39	2	He	10097.162	0.741	9235922	0.20	10000	101.0	90	110	
Ca	43	2	He	9913.689	0.841	24717	1.55	10000	99.1	90	110	
Ca	44	2	He	9929.097	1.161	408514	0.38	10000	99.3	90	110	
V	51	2	He	98.636	0.295	533739	1.14	100	98.6	90	110	
Cr	52	2	He	99.756	0.470	613060	0.50	100	99.8	90	110	
Mn	55	2	He	101.207	1.076	457006	0.36	100	101.2	90	110	
Fe	56	2	He	10015.584	1.399	56386582	1.03	10000	100.2	90	110	
Co	59	2	He	100.792	0.664	801439	0.73	100	100.8	90	110	
Ni	60	2	He	101.838	1.187	203806	1.01	100	101.8	90	110	
Cu	63	2	He	101.525	0.488	516571	0.47	100	101.5	90	110	
Zn	66	2	He	100.824	0.912	110458	1.20	100	100.8	90	110	
As	75	2	He	100.487	0.686	82270	1.48	100	100.5	90	110	
Sb	121	2	He	101.186	0.337	418978	1.18	100	101.2	90	110	
Se	78	2	He	99.950	0.346	7658	0.87	100	100.0	90	110	
Ti	47	2	He	101.148	3.317	23458	3.07	100	101.1	90	110	
Zr	90	1	nogas	72.623	3.154	1178759	2.85	100	72.6	90	110	ICV Main CR1 Failed

QC ISTD Table

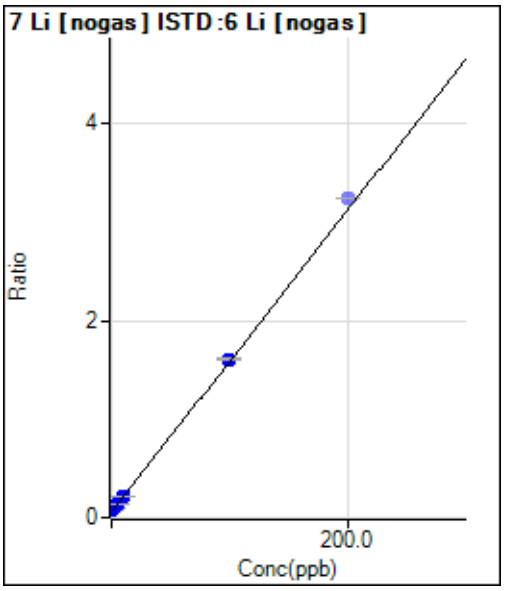
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2032898	2.42	1982232	102.56	70	120	
In	115	1	nogas	2162459	0.39	2134542	101.31	70	120	
Li	6	1	nogas	1140301	0.55	1203228	94.77	70	120	
Bi	209	1	nogas	1973447	0.71	1995496	98.90	70	120	
Ge	72	2	He	560054	0.85	555355	100.85	70	120	
In	115	2	He	808587	0.67	803216	100.67	70	120	

Calibration for 018_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070424A.b\
Analysis File: 070424A.batch.bin
DA Date-Time: 7/4/2024 9:09:53 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	011CALB.d	CAL BLK	7/4/2024 10:00:17 AM
2	012CALS.d	2/10/200	7/4/2024 10:02:24 AM
3	013CALS.d	5/25/500	7/4/2024 10:04:34 AM
4	014CALS.d	10/50/1000	7/4/2024 10:06:43 AM
5	015CALS.d	100/500/10K	7/4/2024 10:08:50 AM
6	016CALS.d	200/1000/20K	7/4/2024 10:10:55 AM
7			

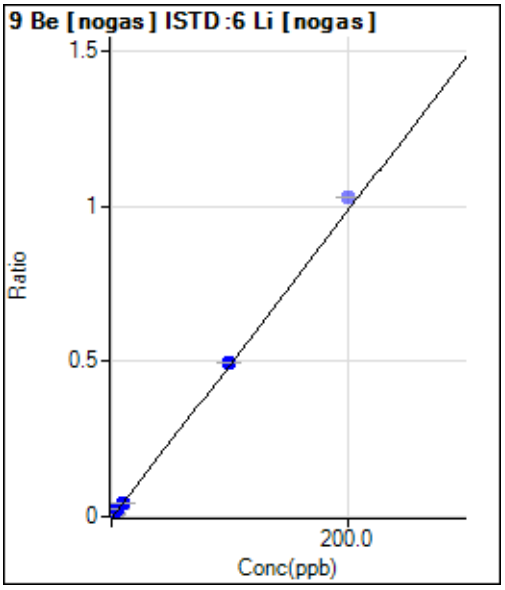
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	89538.50	0.0744	P	1.3	
2	☐	2.000	1.811	121928.64	0.1022	P	0.4	-9.4
3	☐	5.000	4.557	171800.13	0.1442	P	1.5	-8.9
4	☐	10.000	9.489	259403.38	0.2198	P	0.7	-5.1
5	☐	100.000	100.077	1835492.94	1.6072	P	0.5	0.1
6	☑	200.000		3504804.11	3.2401	P	0.0	
7	☐	1.000						

y = 0.0153 * x + 0.0744
R = 1.0000
DL = 0.1831 ppb
BEC = 4.859 ppb

Weight: <None>
Min Conc: <None>

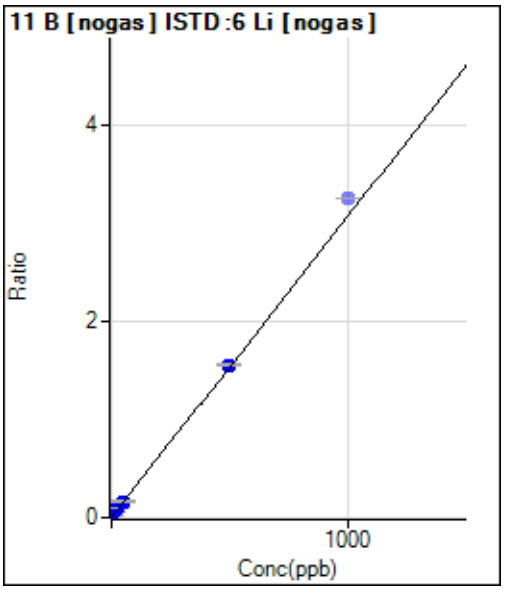


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	55.00	0.0000	P	42.4	
2	☐	2.000	1.865	11089.04	0.0093	P	4.3	-6.7
3	☐	5.000	4.458	26377.42	0.0221	P	1.3	-10.8
4	☐	10.000	9.241	54115.19	0.0458	P	1.5	-7.6
5	☐	100.000	100.106	566689.47	0.4962	P	0.6	0.1
6	☑	200.000		1114645.43	1.0305	P	0.5	
7	☐	1.000						

y = 0.0050 * x + 4.5796E-005
R = 1.0000
DL = 0.01176 ppb
BEC = 0.00924 ppb

Weight: <None>
Min Conc: <None>

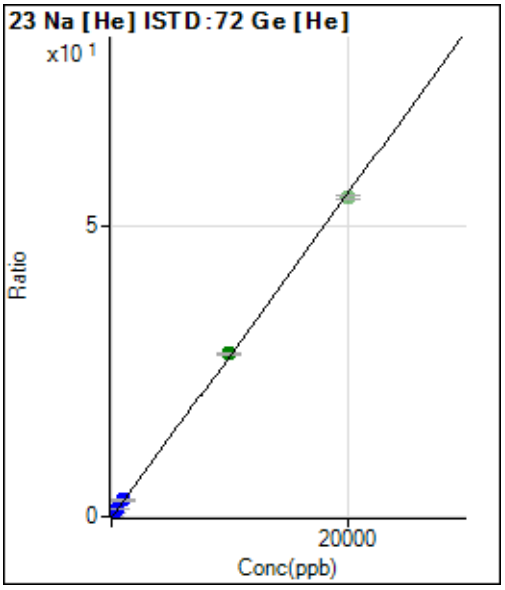
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27875.07	0.0232	P	2.2	
2	☐	10.000	8.843	59961.58	0.0502	P	1.0	-11.6
3	☐	25.000	22.067	108079.16	0.0907	P	1.0	-11.7
4	☐	50.000	46.366	194875.98	0.1651	P	1.7	-7.3
5	☐	500.000	500.533	1776222.68	1.5553	P	1.1	0.1
6	☑	1000.000		3516927.97	3.2512	P	0.4	
7	☐	5.000						

y = 0.0031 * x + 0.0232
R = 1.0000
DL = 0.5095 ppb
BEC = 7.569 ppb

Weight: <None>
Min Conc: <None>

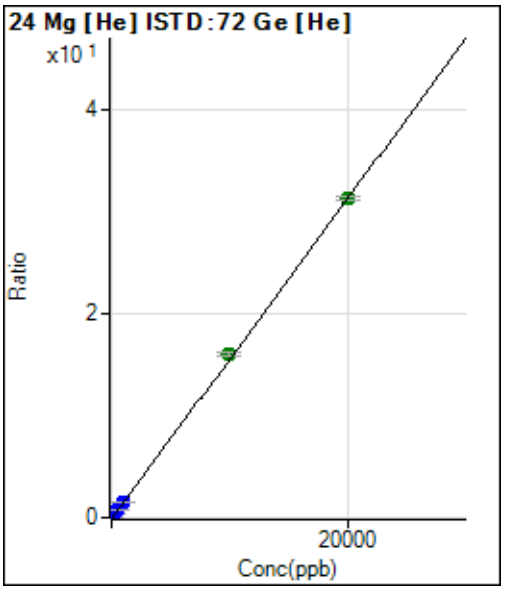


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	55118.46	0.0993	P	1.2	
2	☐	200.000	193.204	356189.47	0.6381	P	1.1	-3.4
3	☐	500.000	467.724	784430.41	1.4037	P	1.0	-6.5
4	☐	1000.000	974.616	1555657.53	2.8173	P	0.6	-2.5
5	☐	10000.00	10004.28	15767510.60	27.9995	A	1.3	0.0
6	☑	20000.00		30363719.55	54.9465	A	1.2	
7	☐	100.000						

y = 0.0028 * x + 0.0993
R = 1.0000
DL = 1.314 ppb
BEC = 35.59 ppb

Weight: <None>
Min Conc: <None>

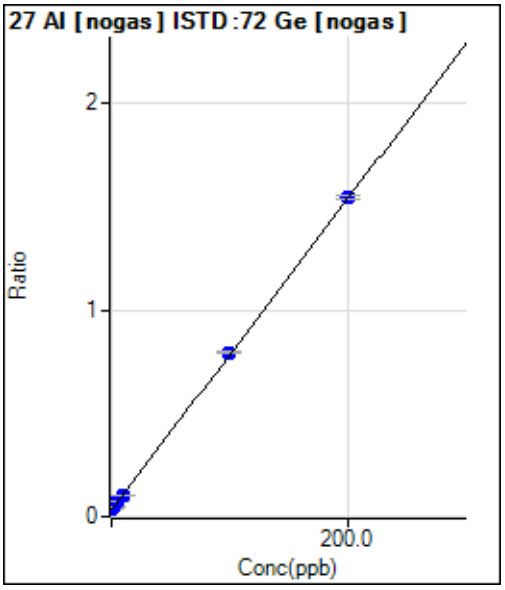
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1826.82	0.0033	P	6.7	
2	☐	200.000	195.847	173481.04	0.3108	P	0.6	-2.1
3	☐	500.000	472.417	416341.53	0.7450	P	0.6	-5.5
4	☐	1000.000	977.613	849341.29	1.5382	P	0.1	-2.2
5	☐	10000.00	10200.20	9020176.32	16.0177	A	1.8	2.0
6	☐	20000.00	19901.74	17267514.32	31.2493	A	1.8	-0.5
7	☐	100.000						

y = 0.0016 * x + 0.0033
R = 0.9999
DL = 0.4229 ppb
BEC = 2.096 ppb

Weight: <None>
Min Conc: <None>

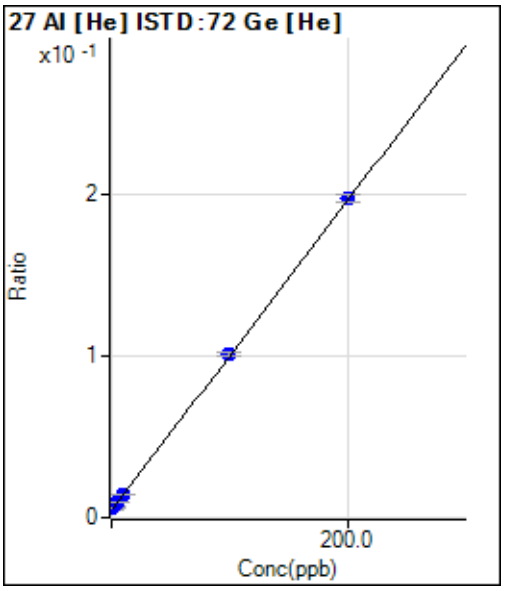


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83060.47	0.0419	P	1.2	
2	☐	2.000	0.759	95059.15	0.0476	P	1.2	-62.1
3	☐	5.000	3.854	140466.43	0.0709	P	1.4	-22.9
4	☐	10.000	8.561	208267.44	0.1063	P	1.3	-14.4
5	☐	100.000	100.190	1585060.34	0.7954	P	1.0	0.2
6	☐	200.000	200.018	3052746.72	1.5461	P	1.3	0.0
7	☐	1.000						

y = 0.0075 * x + 0.0419
R = 1.0000
DL = 0.1991 ppb
BEC = 5.572 ppb

Weight: <None>
Min Conc: <None>

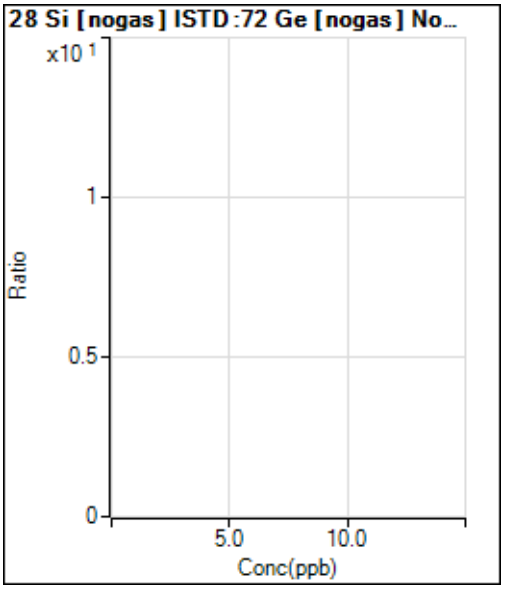
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3047.03	0.0055	P	4.9	
2	☐	2.000	1.272	3743.86	0.0067	P	5.2	-36.4
3	☐	5.000	3.971	5197.65	0.0093	P	2.3	-20.6
4	☐	10.000	9.234	7928.84	0.0144	P	1.6	-7.7
5	☐	100.000	99.764	57089.56	0.1014	P	1.9	-0.2
6	☐	200.000	200.189	109333.20	0.1979	P	2.9	0.1
7	☐	1.000						

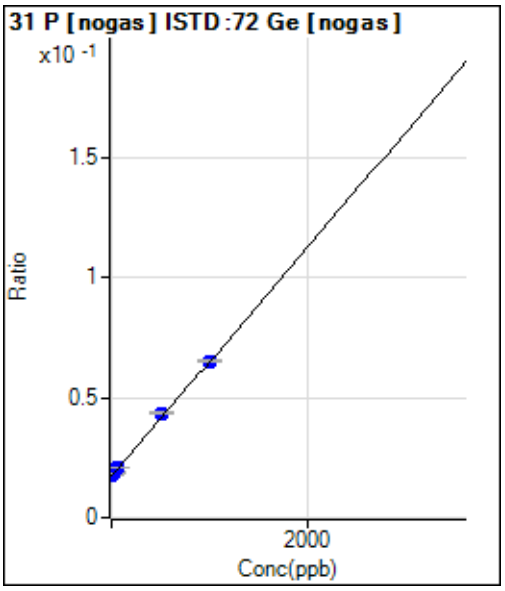
y = 9.6108E-004 * x + 0.0055
R = 1.0000
DL = 0.8444 ppb
BEC = 5.707 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

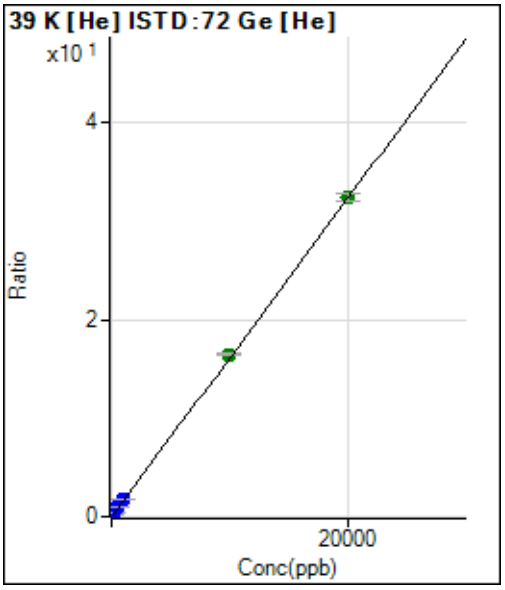
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35591.70	0.0180	P	3.4	
2	☐	10.000	8.294	36647.69	0.0184	P	3.2	-17.1
3	☐	25.000	16.493	37162.16	0.0188	P	1.9	-34.0
4	☐	50.000	66.523	41456.25	0.0212	P	0.6	33.0
5	☐	500.000	529.880	86522.83	0.0434	P	2.0	6.0
6	☐	1000.000	984.463	128867.69	0.0653	P	1.7	-1.6
7	☐	5.000						

y = 4.8056E-005 * x + 0.0180
R = 0.9992
DL = 37.85 ppb
BEC = 373.7 ppb

Weight: <None>
Min Conc: <None>

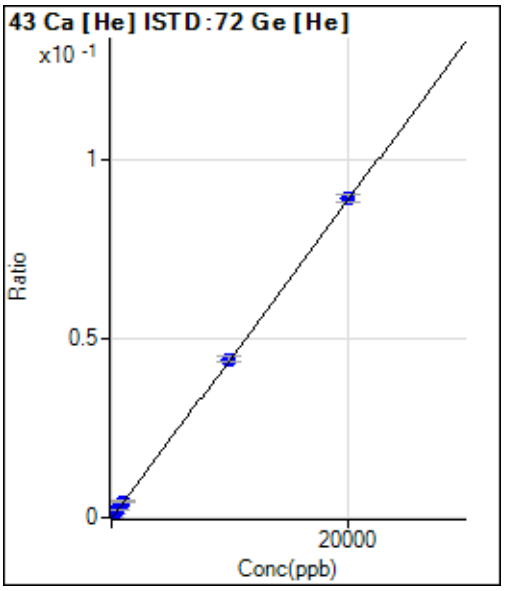


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80941.13	0.1457	P	2.6	
2	☐	200.000	191.067	254018.34	0.4550	P	0.3	-4.5
3	☐	500.000	458.996	496701.36	0.8888	P	0.7	-8.2
4	☐	1000.000	958.654	937403.71	1.6977	P	1.2	-4.1
5	☐	10000.00	10094.33	9285526.11	16.4872	A	1.2	0.9
6	☐	20000.00	19956.01	17930818.07	32.4521	A	2.6	-0.2
7	☐	100.000						

y = 0.0016 * x + 0.1457
R = 1.0000
DL = 7.028 ppb
BEC = 90.02 ppb

Weight: <None>
Min Conc: <None>

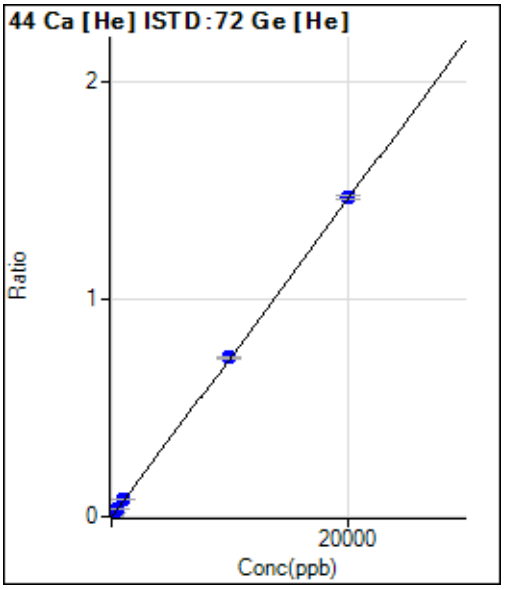
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80.00	0.0001	P	38.3	
2	☐	200.000	185.451	540.02	0.0010	P	15.9	-7.3
3	☐	500.000	460.774	1223.41	0.0022	P	5.0	-7.8
4	☐	1000.000	959.329	2430.26	0.0044	P	9.8	-4.1
5	☐	10000.00	9936.679	24914.04	0.0442	P	2.5	-0.6
6	☐	20000.00	20034.82	49196.70	0.0890	P	2.9	0.2
7	☐	100.000						

y = 4.4371E-006 * x + 1.4428E-004
R = 1.0000
DL = 37.34 ppb
BEC = 32.52 ppb

Weight: <None>
Min Conc: <None>

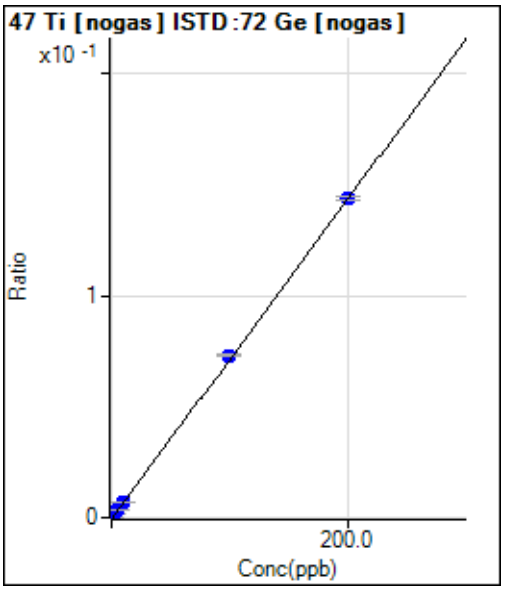


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2380.23	0.0043	P	9.2	
2	☐	200.000	193.329	10273.64	0.0184	P	3.8	-3.3
3	☐	500.000	480.247	21996.24	0.0394	P	0.4	-4.0
4	☐	1000.000	986.690	42158.73	0.0763	P	1.1	-1.3
5	☐	10000.00	9954.616	411829.90	0.7313	P	1.6	-0.5
6	☐	20000.00	20023.91	810526.68	1.4668	P	1.6	0.1
7	☐	100.000						

y = 7.3036E-005 * x + 0.0043
R = 1.0000
DL = 16.15 ppb
BEC = 58.65 ppb

Weight: <None>
Min Conc: <None>

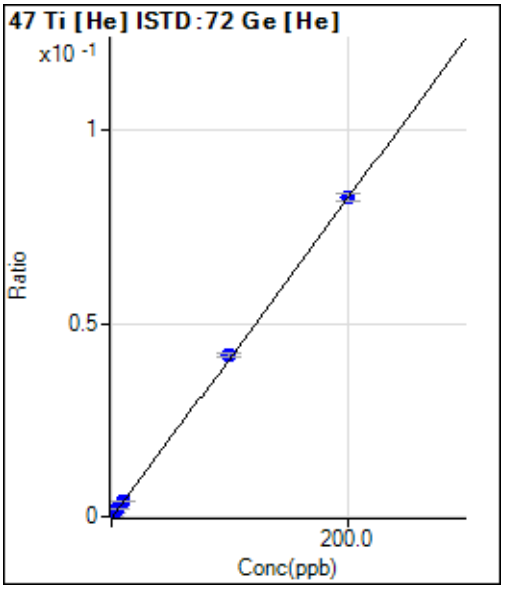
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	176.67	0.0001	P	27.9	
2	☐	2.000	1.974	3017.02	0.0015	P	2.3	-1.3
3	☐	5.000	4.537	6654.92	0.0034	P	0.8	-9.3
4	☐	10.000	9.878	14123.45	0.0072	P	1.6	-1.2
5	☐	100.000	101.077	145330.87	0.0729	P	1.2	1.1
6	☐	200.000	199.480	284003.80	0.1438	P	1.2	-0.3
7	☐	1.000						

y = 7.2062E-004 * x + 8.9068E-005
R = 1.0000
DL = 0.1036 ppb
BEC = 0.1236 ppb

Weight: <None>
Min Conc: <None>

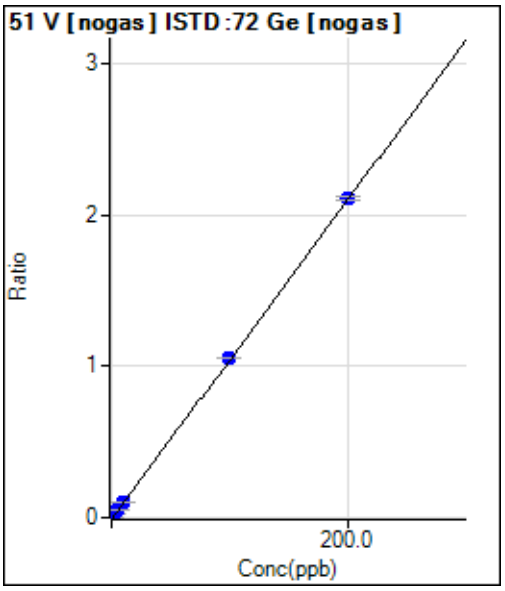


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	65.4	
2	☐	2.000	2.121	513.35	0.0009	P	11.5	6.1
3	☐	5.000	5.061	1193.41	0.0021	P	7.5	1.2
4	☐	10.000	9.606	2216.87	0.0040	P	10.1	-3.9
5	☐	100.000	100.868	23525.20	0.0418	P	2.9	0.9
6	☐	200.000	199.583	45649.16	0.0826	P	2.3	-0.2
7	☐	1.000						

y = 4.1372E-004 * x + 4.2081E-005
R = 1.0000
DL = 0.1997 ppb
BEC = 0.1017 ppb

Weight: <None>
Min Conc: <None>

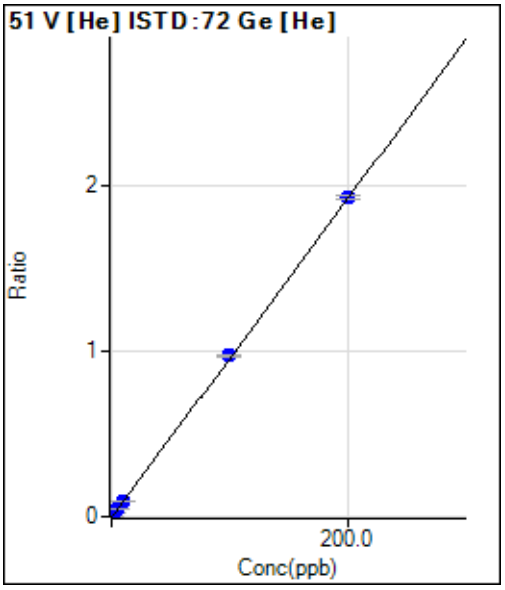
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	185.49	0.0001	P	846.7	
2	☐	2.000	1.960	41487.28	0.0208	P	3.3	-2.0
3	☐	5.000	4.850	101596.41	0.0513	P	3.1	-3.0
4	☐	10.000	9.669	200065.98	0.1021	P	2.4	-3.3
5	☐	100.000	100.173	2106791.64	1.0570	P	0.3	0.2
6	☐	200.000	199.934	4165251.89	2.1095	P	1.2	0.0
7	☐	1.000						

y = 0.0106 * x + 9.9756E-005
R = 1.0000
DL = 0.2402 ppb
BEC = 0.009455 ppb

Weight: <None>
Min Conc: <None>

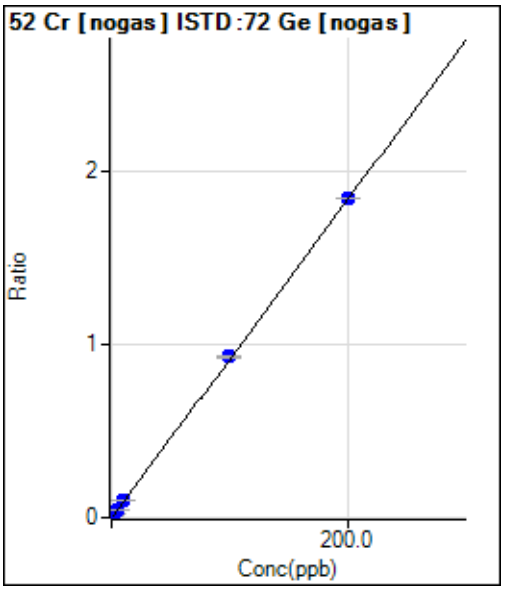


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2427.39	0.0044	P	19.3	
2	☐	2.000	1.845	12340.69	0.0221	P	2.6	-7.8
3	☐	5.000	4.629	27314.18	0.0489	P	6.0	-7.4
4	☐	10.000	9.476	52728.10	0.0955	P	2.8	-5.2
5	☐	100.000	100.422	546320.86	0.9702	P	1.8	0.4
6	☐	200.000	199.826	1064399.33	1.9262	P	1.3	-0.1
7	☐	1.000						

y = 0.0096 * x + 0.0044
R = 1.0000
DL = 0.2628 ppb
BEC = 0.4538 ppb

Weight: <None>
Min Conc: <None>

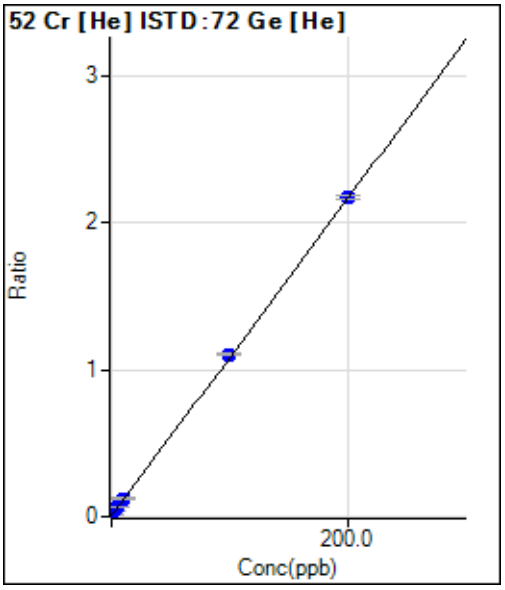
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12745.62	0.0064	P	2.5	
2	☐	2.000	1.855	46879.61	0.0235	P	0.7	-7.3
3	☐	5.000	4.634	97157.33	0.0490	P	0.6	-7.3
4	☐	10.000	9.715	187582.79	0.0957	P	1.2	-2.9
5	☐	100.000	100.538	1854647.94	0.9306	P	0.8	0.5
6	☐	200.000	199.756	3638525.26	1.8427	P	0.6	-0.1
7	☐	1.000						

y = 0.0092 * x + 0.0064
R = 1.0000
DL = 0.05301 ppb
BEC = 0.6995 ppb

Weight: <None>
Min Conc: <None>

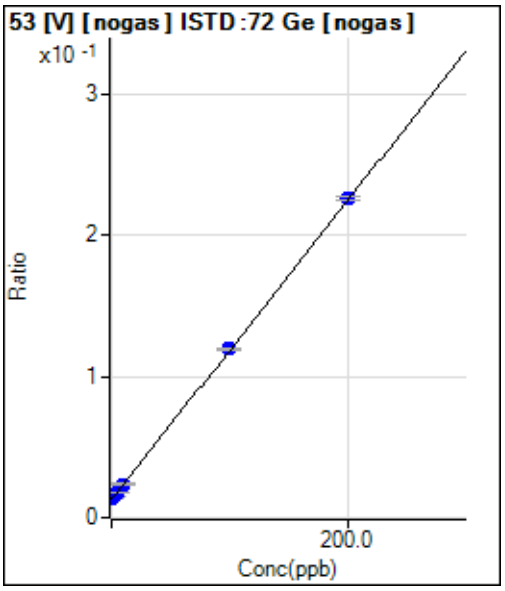


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8826.06	0.0159	P	2.8	
2	☐	2.000	1.766	19536.25	0.0350	P	1.0	-11.7
3	☐	5.000	4.596	36658.03	0.0656	P	2.1	-8.1
4	☐	10.000	10.032	68676.02	0.1244	P	2.2	0.3
5	☐	100.000	100.783	622696.58	1.1058	P	1.6	0.8
6	☐	200.000	199.619	1201749.85	2.1746	P	0.8	-0.2
7	☐	1.000						

y = 0.0108 * x + 0.0159
R = 1.0000
DL = 0.1225 ppb
BEC = 1.47 ppb

Weight: <None>
Min Conc: <None>

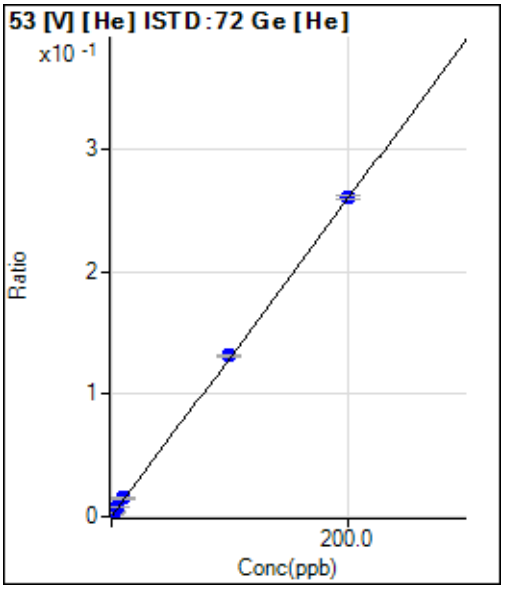
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27812.62	0.0140	P	2.1	
2	☐	2.000	0.623	29325.50	0.0147	P	2.1	-68.8
3	☐	5.000	3.289	34710.24	0.0175	P	0.9	-34.2
4	☐	10.000	9.221	46649.10	0.0238	P	1.3	-7.8
5	☐	100.000	99.482	238166.62	0.1195	P	1.0	-0.5
6	☐	200.000	200.354	447147.26	0.2265	P	0.9	0.2
7	☐	1.000						

y = 0.0011 * x + 0.0140
R = 1.0000
DL = 0.8534 ppb
BEC = 13.23 ppb

Weight: <None>
Min Conc: <None>

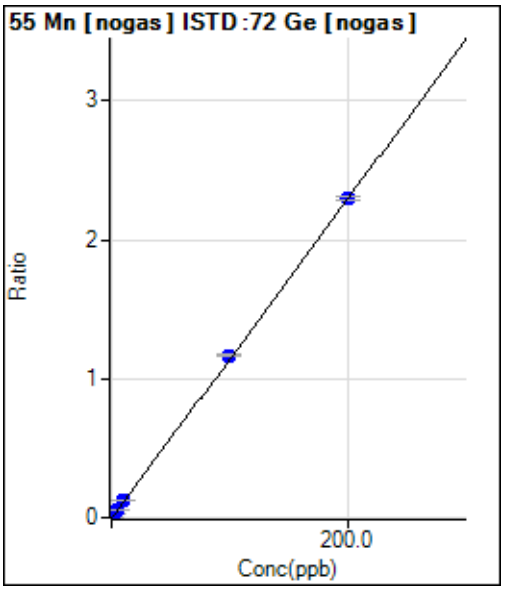


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	876.71	0.0016	P	17.7	
2	☐	2.000	1.791	2180.20	0.0039	P	4.8	-10.4
3	☐	5.000	4.567	4197.33	0.0075	P	8.7	-8.7
4	☐	10.000	10.572	8452.51	0.0153	P	4.8	5.7
5	☐	100.000	100.060	74041.06	0.1315	P	0.6	0.1
6	☐	200.000	199.955	144320.99	0.2612	P	0.8	0.0
7	☐	1.000						

y = 0.0013 * x + 0.0016
R = 1.0000
DL = 0.6454 ppb
BEC = 1.218 ppb

Weight: <None>
Min Conc: <None>

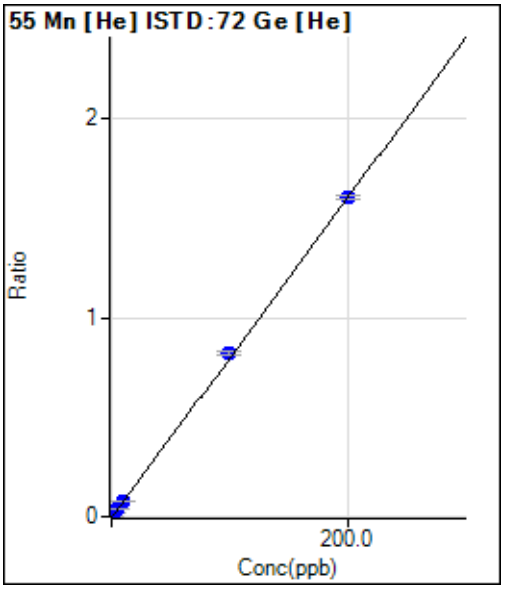
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10533.86	0.0053	P	3.0	
2	☐	2.000	1.933	55013.64	0.0276	P	0.1	-3.3
3	☐	5.000	4.769	119231.71	0.0602	P	1.1	-4.6
4	☐	10.000	9.816	231677.43	0.1182	P	0.4	-1.8
5	☐	100.000	101.204	2330930.38	1.1696	P	0.7	1.2
6	☐	200.000	199.414	4540025.97	2.2994	P	1.1	-0.3
7	☐	1.000						

y = 0.0115 * x + 0.0053
R = 1.0000
DL = 0.04153 ppb
BEC = 0.4619 ppb

Weight: <None>
Min Conc: <None>

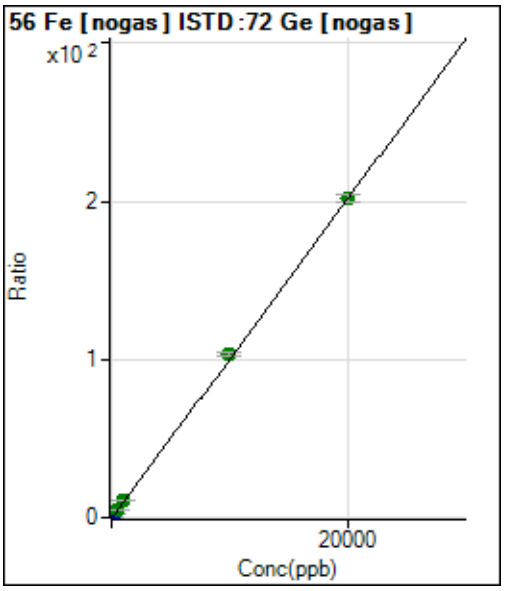


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1186.74	0.0021	P	5.0	
2	☐	2.000	1.863	9556.48	0.0171	P	1.9	-6.8
3	☐	5.000	4.703	22333.53	0.0400	P	3.6	-5.9
4	☐	10.000	9.826	44813.52	0.0812	P	0.8	-1.7
5	☐	100.000	101.650	461527.83	0.8196	P	2.0	1.6
6	☐	200.000	199.193	886424.39	1.6041	P	1.0	-0.4
7	☐	1.000						

y = 0.0080 * x + 0.0021
R = 0.9999
DL = 0.04017 ppb
BEC = 0.2657 ppb

Weight: <None>
Min Conc: <None>

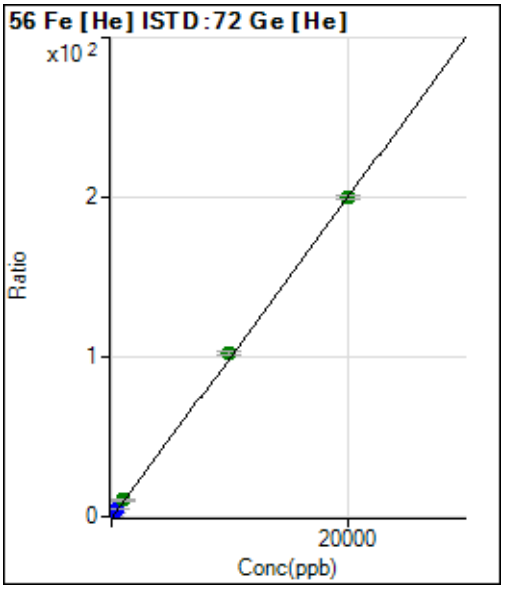
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	796915.12	0.4020	P	0.4	
2	☐	200.000	190.274	4644698.06	2.3264	P	0.5	-4.9
3	☐	500.000	487.703	10570696.51	5.3344	A	0.5	-2.5
4	☐	1000.000	1013.196	20864075.10	10.6490	A	2.0	1.3
5	☐	10000.00	10137.65	205080690.2	102.929	A	2.3	1.4
6	☐	20000.00	19930.91	398738980.7	201.973	A	2.4	-0.3
7	☐	100.000						

y = 0.0101 * x + 0.4020
R = 1.0000
DL = 0.4328 ppb
BEC = 39.75 ppb

Weight: <None>
Min Conc: <None>

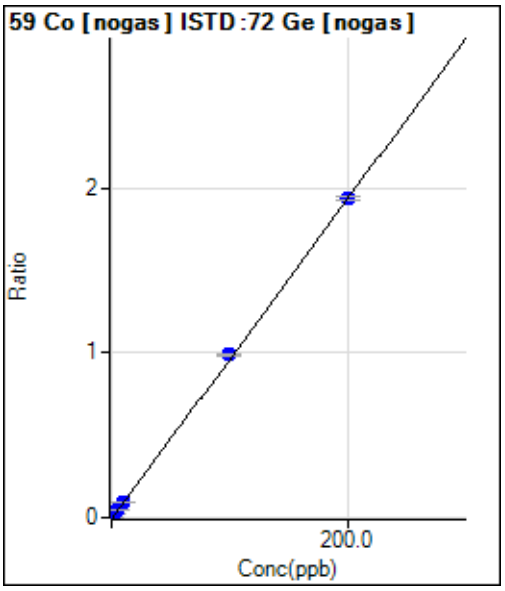


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	19880.01	0.0358	P	2.0	
2	☐	200.000	188.227	1075911.26	1.9274	P	0.6	-5.9
3	☐	500.000	459.521	2600927.56	4.6537	P	1.3	-8.1
4	☐	1000.000	1022.738	5694706.79	10.3137	A	1.7	2.3
5	☐	10000.00	10199.09	57734544.14	102.530	A	2.6	2.0
6	☐	20000.00	19900.44	110529768.3	200.022	A	1.5	-0.5
7	☐	100.000						

y = 0.0100 * x + 0.0358
R = 0.9999
DL = 0.2133 ppb
BEC = 3.562 ppb

Weight: <None>
Min Conc: <None>

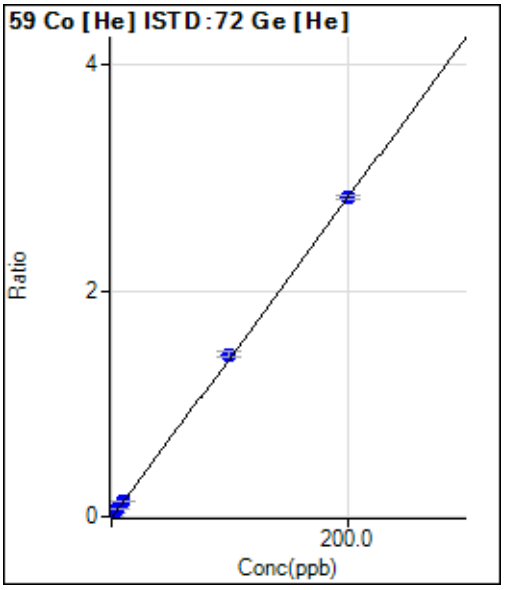
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	553.35	0.0003	P	5.8	
2	☐	2.000	1.968	38763.73	0.0194	P	2.8	-1.6
3	☐	5.000	4.738	91842.52	0.0463	P	0.9	-5.2
4	☐	10.000	9.756	186403.56	0.0951	P	1.4	-2.4
5	☐	100.000	101.543	1967731.06	0.9875	P	2.1	1.5
6	☐	200.000	199.248	3825384.42	1.9374	P	1.4	-0.4
7	☐	1.000						

y = 0.0097 * x + 2.7904E-004
R = 1.0000
DL = 0.004977 ppb
BEC = 0.0287 ppb

Weight: <None>
Min Conc: <None>

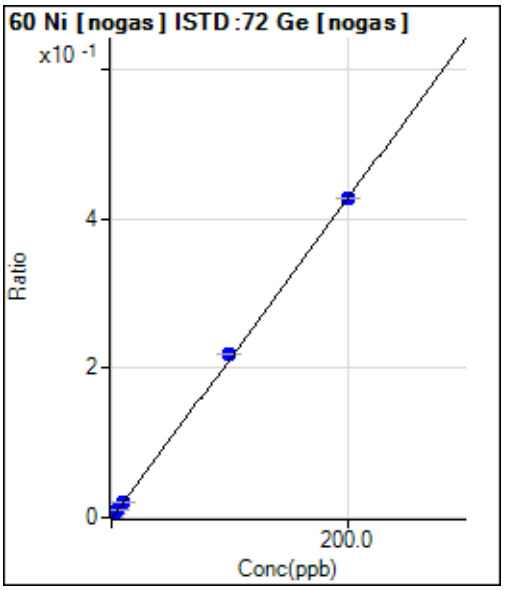


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	210.01	0.0004	P	11.7	
2	☐	2.000	2.013	16158.96	0.0289	P	3.3	0.6
3	☐	5.000	4.860	38760.38	0.0694	P	1.9	-2.8
4	☐	10.000	10.058	79043.47	0.1431	P	1.8	0.6
5	☐	100.000	101.413	810756.47	1.4399	P	2.6	1.4
6	☐	200.000	199.294	1563491.96	2.8292	P	0.8	-0.4
7	☐	1.000						

y = 0.0142 * x + 3.7791E-004
R = 1.0000
DL = 0.009352 ppb
BEC = 0.02662 ppb

Weight: <None>
Min Conc: <None>

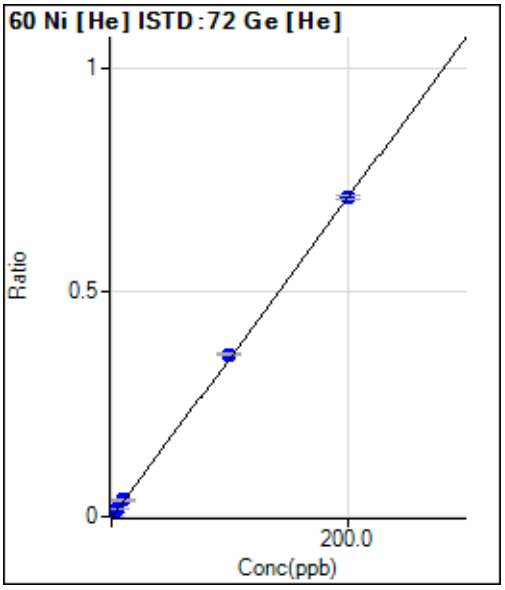
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	826.70	0.0004	P	14.2	
2	☐	2.000	1.945	9162.98	0.0046	P	2.2	-2.8
3	☐	5.000	4.820	21318.72	0.0108	P	1.3	-3.6
4	☐	10.000	9.836	42162.78	0.0215	P	3.0	-1.6
5	☐	100.000	101.977	436861.54	0.2192	P	0.4	2.0
6	☐	200.000	199.025	843922.33	0.4274	P	0.5	-0.5
7	☐	1.000						

y = 0.0021 * x + 4.1739E-004
R = 0.9999
DL = 0.08314 ppb
BEC = 0.1946 ppb

Weight: <None>
Min Conc: <None>

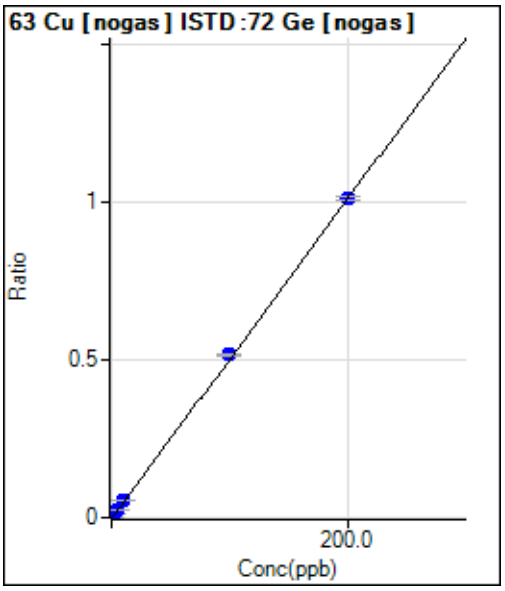


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	296.68	0.0005	P	15.7	
2	☐	2.000	1.934	4150.65	0.0074	P	9.0	-3.3
3	☐	5.000	5.006	10280.35	0.0184	P	5.3	0.1
4	☐	10.000	10.178	20347.42	0.0369	P	3.0	1.8
5	☐	100.000	101.348	203941.28	0.3622	P	1.8	1.3
6	☐	200.000	199.318	393305.03	0.7117	P	1.4	-0.3
7	☐	1.000						

y = 0.0036 * x + 5.3410E-004
R = 1.0000
DL = 0.07064 ppb
BEC = 0.1497 ppb

Weight: <None>
Min Conc: <None>

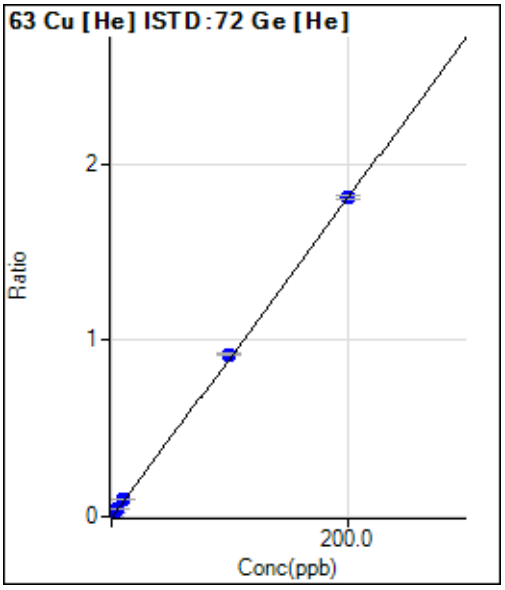
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2173.54	0.0011	P	7.9	
2	☐	2.000	1.972	22136.65	0.0111	P	2.9	-1.4
3	☐	5.000	4.873	51107.20	0.0258	P	1.0	-2.5
4	☐	10.000	10.172	103150.20	0.0526	P	1.4	1.7
5	☐	100.000	101.467	1026765.77	0.5152	P	1.3	1.5
6	☐	200.000	199.261	1995822.05	1.0108	P	0.9	-0.4
7	☐	1.000						

y = 0.0051 * x + 0.0011
R = 1.0000
DL = 0.05136 ppb
BEC = 0.2163 ppb

Weight: <None>
Min Conc: <None>

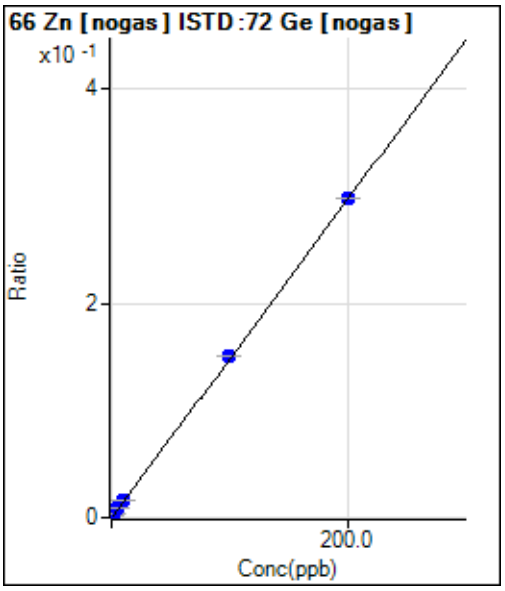


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	746.70	0.0013	P	4.3	
2	☐	2.000	1.983	10790.69	0.0193	P	0.7	-0.9
3	☐	5.000	5.077	26490.40	0.0474	P	3.8	1.5
4	☐	10.000	10.473	53204.73	0.0964	P	1.3	4.7
5	☐	100.000	101.060	517062.63	0.9182	P	0.9	1.1
6	☐	200.000	199.445	1000685.77	1.8107	P	0.8	-0.3
7	☐	1.000						

y = 0.0091 * x + 0.0013
R = 1.0000
DL = 0.01918 ppb
BEC = 0.1482 ppb

Weight: <None>
Min Conc: <None>

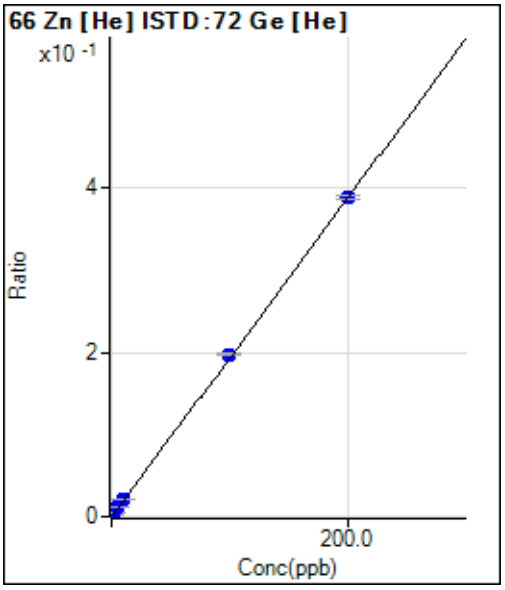
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2386.90	0.0012	P	5.3	
2	☐	2.000	2.106	8662.64	0.0043	P	2.4	5.3
3	☐	5.000	5.075	17350.36	0.0088	P	4.1	1.5
4	☐	10.000	9.915	31272.96	0.0160	P	2.1	-0.8
5	☐	100.000	100.836	301462.22	0.1512	P	0.5	0.8
6	☐	200.000	199.583	588771.34	0.2982	P	0.2	-0.2
7	☐	1.000						

y = 0.0015 * x + 0.0012
R = 1.0000
DL = 0.1292 ppb
BEC = 0.8096 ppb

Weight: <None>
Min Conc: <None>

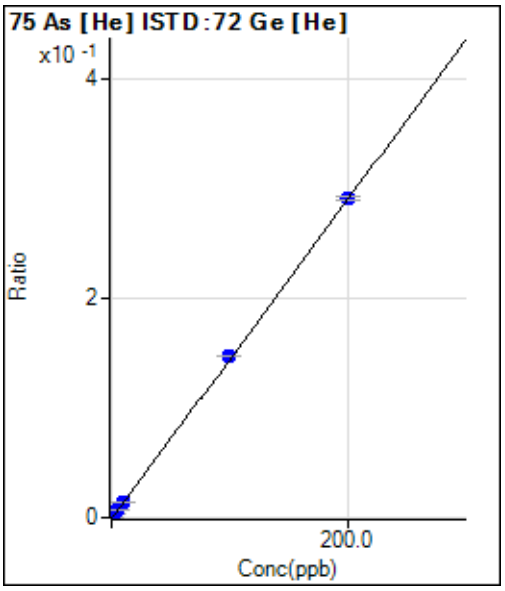


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	786.70	0.0014	P	5.2	
2	☐	2.000	2.063	3027.01	0.0054	P	2.7	3.1
3	☐	5.000	5.353	6601.57	0.0118	P	0.8	7.1
4	☐	10.000	9.955	11457.89	0.0208	P	2.0	-0.5
5	☐	100.000	101.084	111355.98	0.1977	P	0.7	1.1
6	☐	200.000	199.451	214840.81	0.3888	P	1.1	-0.3
7	☐	1.000						

y = 0.0019 * x + 0.0014
R = 1.0000
DL = 0.1134 ppb
BEC = 0.7293 ppb

Weight: <None>
Min Conc: <None>

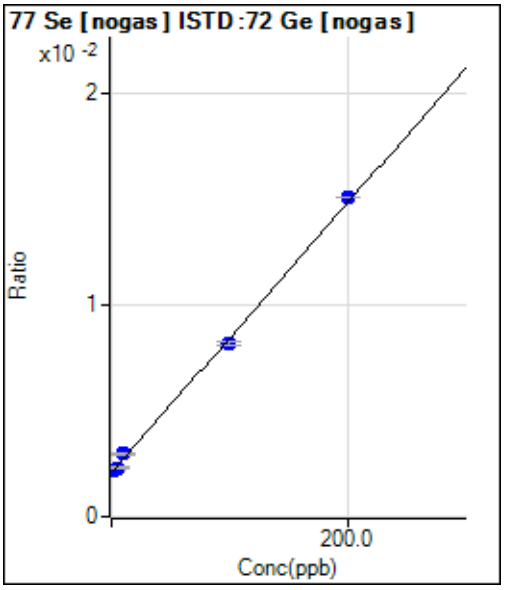
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	165.56	0.0003	P	14.7	
2	☐	2.000	2.058	1842.35	0.0033	P	4.3	2.9
3	☐	5.000	4.938	4191.72	0.0075	P	4.4	-1.2
4	☐	10.000	9.816	8071.12	0.0146	P	3.1	-1.8
5	☐	100.000	100.663	82873.49	0.1471	P	0.3	0.7
6	☐	200.000	199.679	161142.07	0.2916	P	0.9	-0.2
7	☐	1.000						

y = 0.0015 * x + 2.9844E-004
R = 1.0000
DL = 0.09042 ppb
BEC = 0.2046 ppb

Weight: <None>
Min Conc: <None>

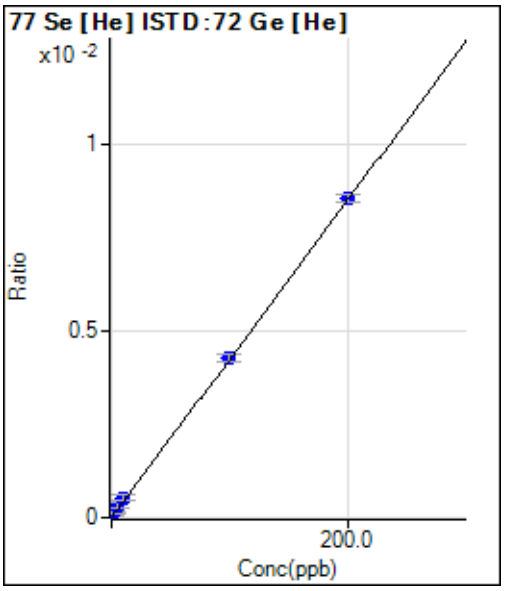


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4307.37	0.0022	P	8.8	
2	☐	2.000	0.051	4347.37	0.0022	P	2.2	-97.5
3	☐	5.000	2.028	4564.12	0.0023	P	5.8	-59.4
4	☐	10.000	12.407	5804.60	0.0030	P	2.2	24.1
5	☐	100.000	94.133	16262.50	0.0082	P	1.7	-5.9
6	☐	200.000	202.907	29760.16	0.0151	P	0.3	1.5
7	☐	1.000						

y = 6.3563E-005 * x + 0.0022
R = 0.9992
DL = 8.985 ppb
BEC = 34.2 ppb

Weight: <None>
Min Conc: <None>

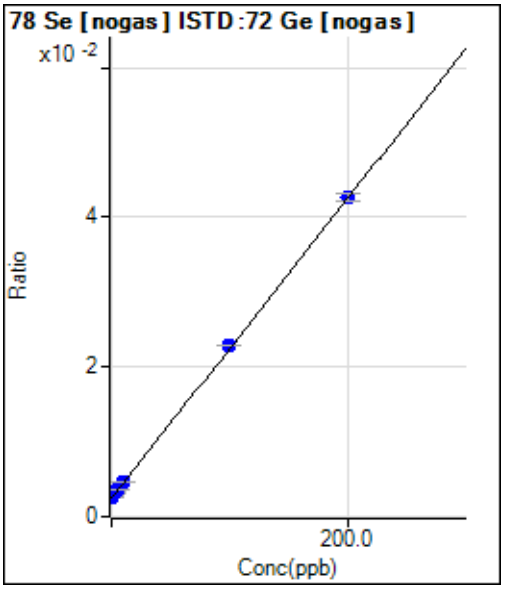
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	66.4	
2	☐	2.000	2.236	76.67	0.0001	P	52.5	11.8
3	☐	5.000	6.315	173.34	0.0003	P	50.2	26.3
4	☐	10.000	11.488	293.34	0.0005	P	31.7	14.9
5	☐	100.000	99.744	2413.58	0.0043	P	4.7	-0.3
6	☐	200.000	200.018	4724.19	0.0085	P	1.9	0.0
7	☐	1.000						

y = 4.2531E-005 * x + 4.2161E-005
R = 1.0000
DL = 1.976 ppb
BEC = 0.9913 ppb

Weight: <None>
Min Conc: <None>

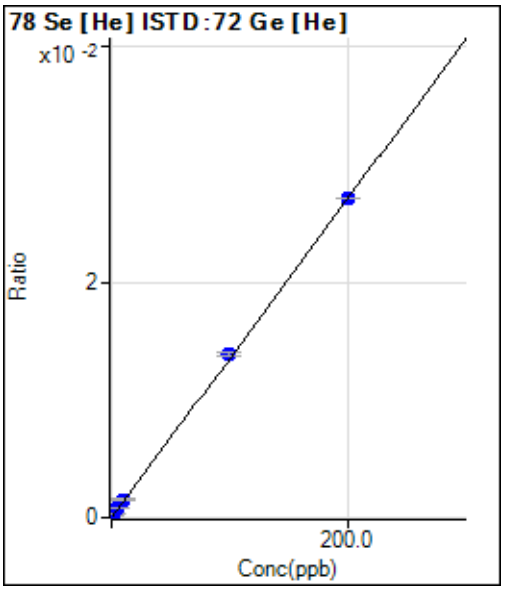


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5347.73	0.0027	P	5.6	
2	☐	2.000	2.494	6388.14	0.0032	P	4.3	24.7
3	☐	5.000	4.688	7208.57	0.0036	P	3.9	-6.2
4	☐	10.000	9.721	9102.96	0.0046	P	3.1	-2.8
5	☐	100.000	100.909	45663.76	0.0229	P	0.5	0.9
6	☐	200.000	199.562	84265.31	0.0427	P	2.0	-0.2
7	☐	1.000						

y = 2.0031E-004 * x + 0.0027
R = 1.0000
DL = 2.243 ppb
BEC = 13.47 ppb

Weight: <None>
Min Conc: <None>

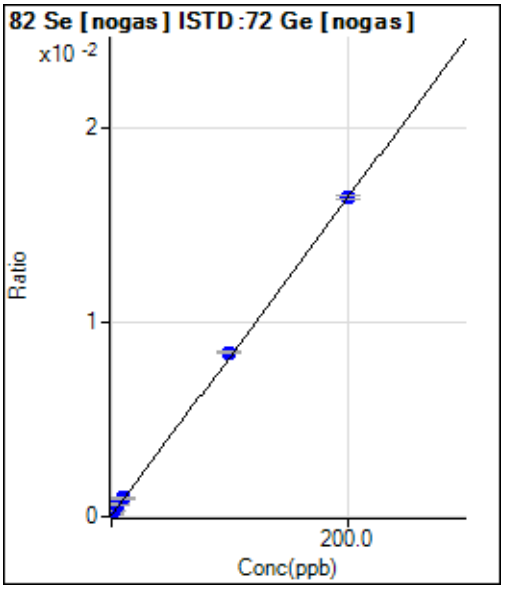
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	74.67	0.0001	P	14.2	
2	☐	2.000	1.589	195.33	0.0003	P	8.5	-20.5
3	☐	5.000	4.563	420.68	0.0008	P	4.1	-8.7
4	☐	10.000	10.168	834.70	0.0015	P	6.5	1.7
5	☐	100.000	101.749	7838.75	0.0139	P	2.6	1.7
6	☐	200.000	199.132	14981.56	0.0271	P	0.2	-0.4
7	☐	1.000						

y = 1.3546E-004 * x + 1.3457E-004
R = 0.9999
DL = 0.4246 ppb
BEC = 0.9935 ppb

Weight: <None>
Min Conc: <None>

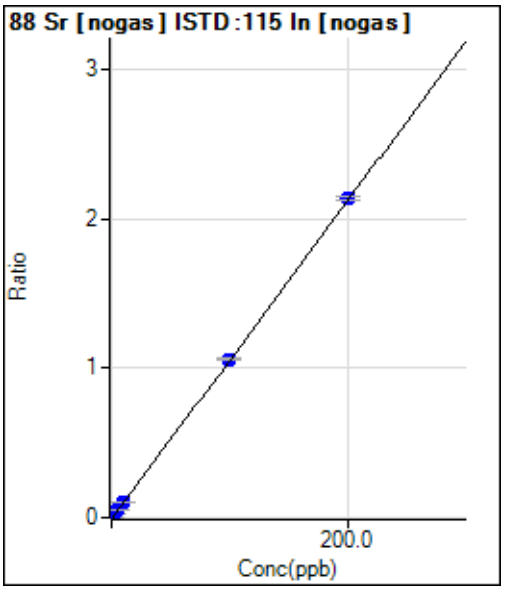


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	280.01	0.0001	P	17.5	
2	☐	2.000	2.083	623.36	0.0003	P	14.8	4.2
3	☐	5.000	5.758	1213.41	0.0006	P	14.5	15.2
4	☐	10.000	10.078	1893.49	0.0010	P	6.2	0.8
5	☐	100.000	101.441	16819.73	0.0084	P	1.5	1.4
6	☐	200.000	199.256	32465.89	0.0164	P	1.6	-0.4
7	☐	1.000						

y = 8.1812E-005 * x + 1.4143E-004
R = 1.0000
DL = 0.9067 ppb
BEC = 1.729 ppb

Weight: <None>
Min Conc: <None>

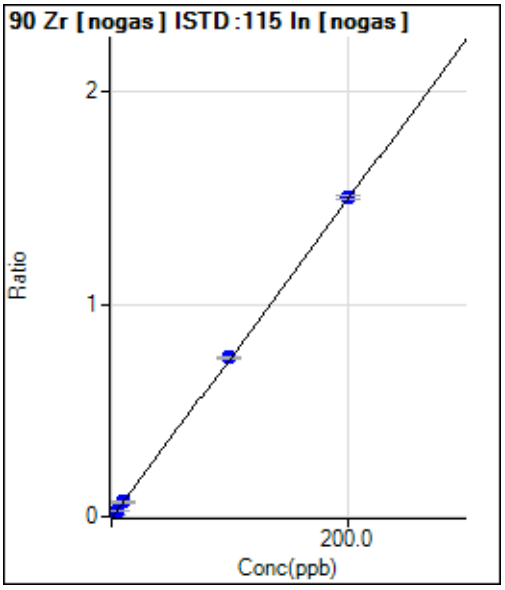
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1416.76	0.0007	P	16.2	
2	☐	2.000	1.910	45798.22	0.0211	P	0.9	-4.5
3	☐	5.000	4.590	107073.38	0.0497	P	1.9	-8.2
4	☐	10.000	9.594	221389.04	0.1032	P	1.6	-4.1
5	☐	100.000	99.193	2292815.17	1.0603	P	0.9	-0.8
6	☐	200.000	200.435	4525561.29	2.1418	P	0.8	0.2
7	☐	1.000						

y = 0.0107 * x + 6.6425E-004
R = 1.0000
DL = 0.03029 ppb
BEC = 0.06218 ppb

Weight: <None>
Min Conc: <None>

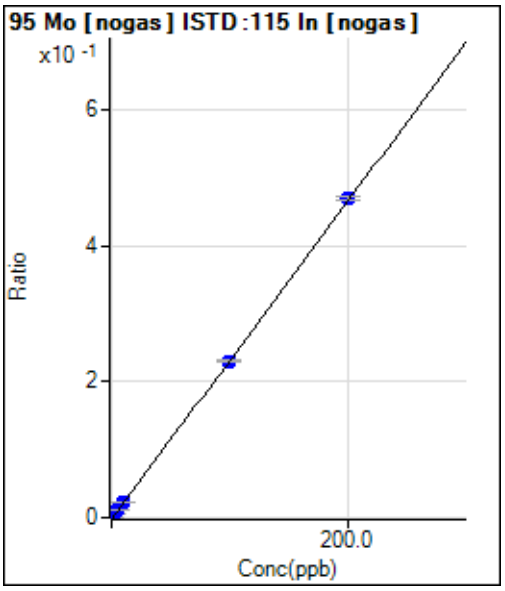


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1413.43	0.0007	P	11.1	
2	☐	2.000	1.433	24801.28	0.0114	P	3.8	-28.4
3	☐	5.000	3.959	65375.31	0.0303	P	3.2	-20.8
4	☐	10.000	9.044	146960.32	0.0685	P	1.9	-9.6
5	☐	100.000	99.577	1615731.64	0.7472	P	0.6	-0.4
6	☐	200.000	200.291	3174006.93	1.5023	P	1.8	0.1
7	☐	1.000						

y = 0.0075 * x + 6.6256E-004
R = 1.0000
DL = 0.02944 ppb
BEC = 0.08837 ppb

Weight: <None>
Min Conc: <None>

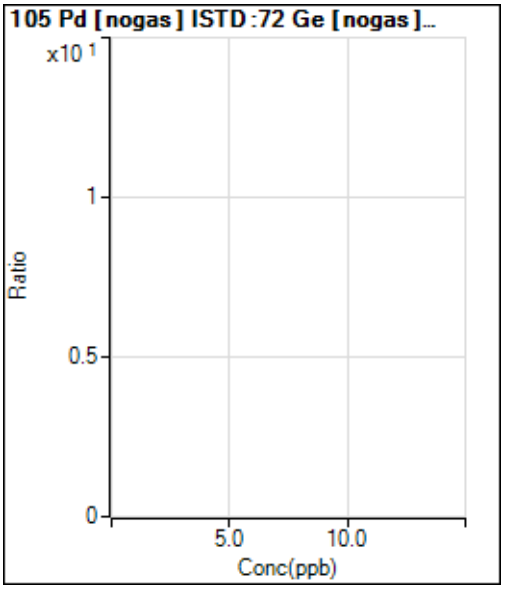
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	260.01	0.0001	P	14.3	
2	☐	2.000	1.860	9740.03	0.0045	P	0.5	-7.0
3	☐	5.000	4.413	22540.97	0.0105	P	6.5	-11.7
4	☐	10.000	9.413	47604.06	0.0222	P	3.1	-5.9
5	☐	100.000	98.325	498449.78	0.2305	P	1.1	-1.7
6	☐	200.000	200.883	994821.18	0.4708	P	1.0	0.4
7	☐	1.000						

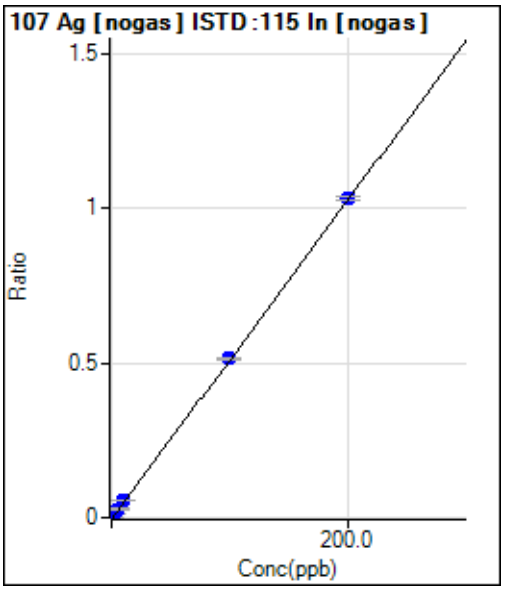
y = 0.0023 * x + 1.2186E-004
R = 1.0000
DL = 0.02238 ppb
BEC = 0.052 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

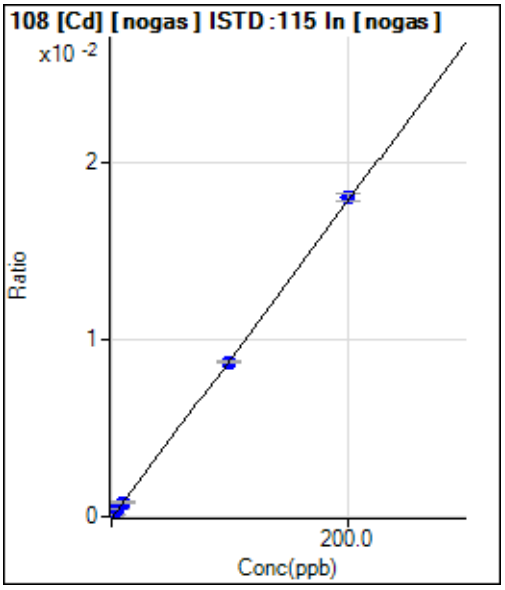
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	70.00	0.0000	P	15.2	
2	☐	2.000	2.260	25399.12	0.0117	P	1.9	13.0
3	☐	5.000	5.362	59632.30	0.0277	P	4.5	7.2
4	☐	10.000	11.082	122687.09	0.0572	P	1.2	10.8
5	☐	100.000	99.501	1109261.67	0.5130	P	0.5	-0.5
6	☐	200.000	200.184	2180558.30	1.0320	P	0.7	0.1
7	☐	1.000						

y = 0.0052 * x + 3.2828E-005
R = 1.0000
DL = 0.00291 ppb
BEC = 0.006368 ppb

Weight: <None>
Min Conc: <None>

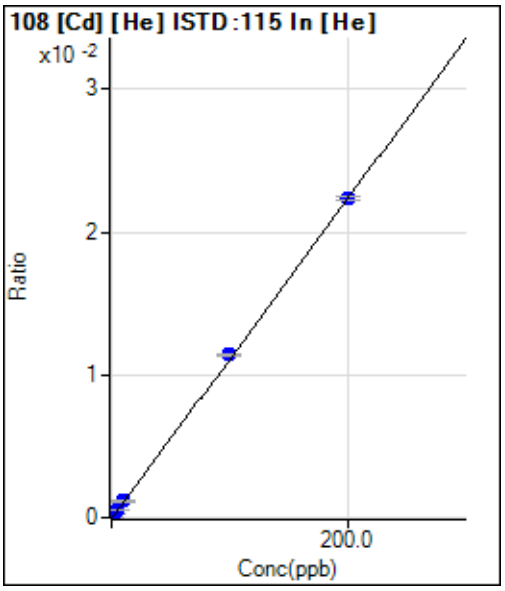


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	1.542	303.34	0.0001	P	17.2	-22.9
3	☐	5.000	4.673	903.38	0.0004	P	10.5	-6.5
4	☐	10.000	9.070	1743.47	0.0008	P	4.1	-9.3
5	☐	100.000	97.311	18815.74	0.0087	P	1.1	-2.7
6	☐	200.000	201.404	38043.53	0.0180	P	2.4	0.7
7	☐	1.000						

y = 8.9402E-005 * x + 1.5422E-006
R = 0.9999
DL = 0.08963 ppb
BEC = 0.01725 ppb

Weight: <None>
Min Conc: <None>

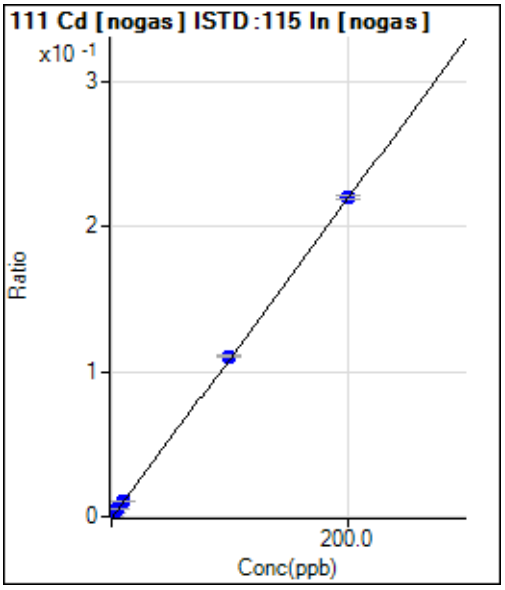
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16.67	0.0000	P	124.9	
2	☐	2.000	1.935	193.34	0.0002	P	8.3	-3.3
3	☐	5.000	4.668	443.35	0.0005	P	5.3	-6.6
4	☐	10.000	10.035	933.38	0.0011	P	6.2	0.3
5	☐	100.000	101.614	9263.12	0.0114	P	0.8	1.6
6	☐	200.000	199.200	17634.24	0.0224	P	1.7	-0.4
7	☐	1.000						

y = 1.1214E-004 * x + 2.0623E-005
R = 1.0000
DL = 0.6888 ppb
BEC = 0.1839 ppb

Weight: <None>
Min Conc: <None>

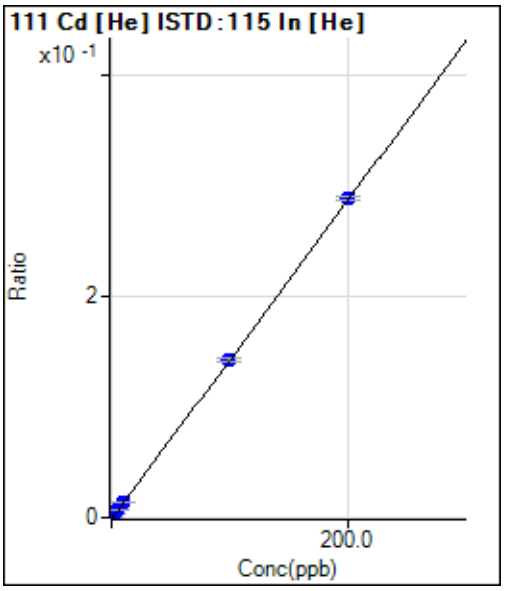


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.09	0.0000	P	91.3	
2	☐	2.000	1.958	4698.80	0.0022	P	1.5	-2.1
3	☐	5.000	4.727	11222.69	0.0052	P	3.2	-5.5
4	☐	10.000	9.748	23040.89	0.0107	P	1.2	-2.5
5	☐	100.000	100.231	238552.62	0.1103	P	0.7	0.2
6	☐	200.000	199.904	464940.00	0.2200	P	0.6	0.0
7	☐	1.000						

y = 0.0011 * x + 6.1735E-006
R = 1.0000
DL = 0.01537 ppb
BEC = 0.005609 ppb

Weight: <None>
Min Conc: <None>

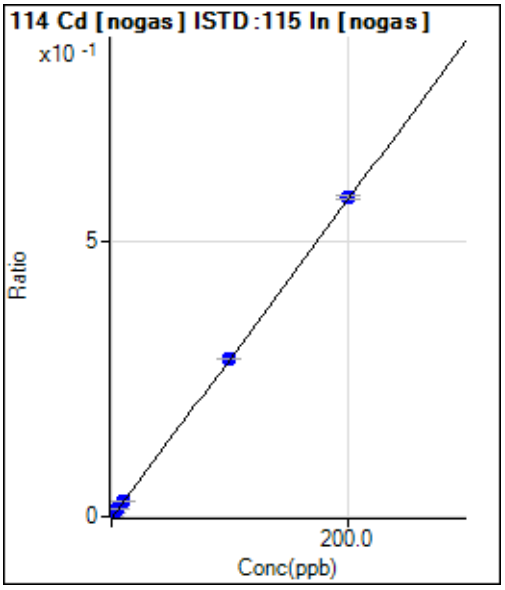
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-17.88	0.0000	P	-124.9	
2	☐	2.000	2.001	2329.47	0.0029	P	5.8	0.0
3	☐	5.000	4.721	5528.97	0.0068	P	3.4	-5.6
4	☐	10.000	9.430	11053.66	0.0136	P	2.4	-5.7
5	☐	100.000	99.463	116323.33	0.1434	P	2.4	-0.5
6	☐	200.000	200.304	227747.17	0.2888	P	1.3	0.2
7	☐	1.000						

y = 0.0014 * x - 2.2128E-005
R = 1.0000
DL = 0.05748 ppb
BEC = -0.01535 ppb

Weight: <None>
Min Conc: <None>

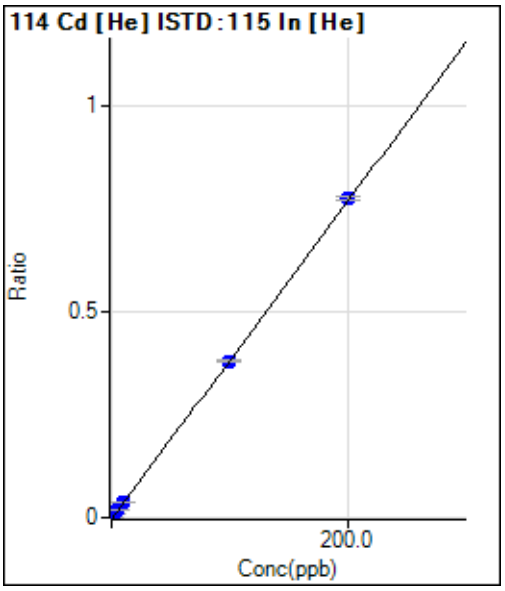


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83.33	0.0000	P	34.2	
2	☐	2.000	1.953	12332.15	0.0057	P	3.2	-2.4
3	☐	5.000	4.602	28692.07	0.0133	P	1.0	-8.0
4	☐	10.000	9.743	60416.19	0.0281	P	1.0	-2.6
5	☐	100.000	98.672	615706.94	0.2847	P	0.2	-1.3
6	☐	200.000	200.687	1223641.67	0.5791	P	1.1	0.3
7	☐	1.000						

y = 0.0029 * x + 3.8986E-005
R = 1.0000
DL = 0.01386 ppb
BEC = 0.01351 ppb

Weight: <None>
Min Conc: <None>

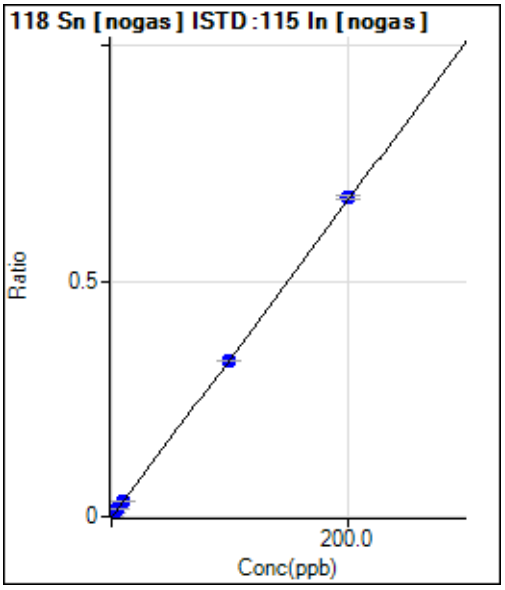
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0000	P	49.4	
2	☐	2.000	1.894	5981.36	0.0073	P	0.6	-5.3
3	☐	5.000	4.665	14691.01	0.0180	P	1.7	-6.7
4	☐	10.000	9.667	30378.77	0.0373	P	0.7	-3.3
5	☐	100.000	98.267	307294.33	0.3788	P	1.3	-1.7
6	☐	200.000	200.893	610615.58	0.7743	P	0.7	0.4
7	☐	1.000						

y = 0.0039 * x + 4.9653E-005
R = 0.9999
DL = 0.01908 ppb
BEC = 0.01288 ppb

Weight: <None>
Min Conc: <None>

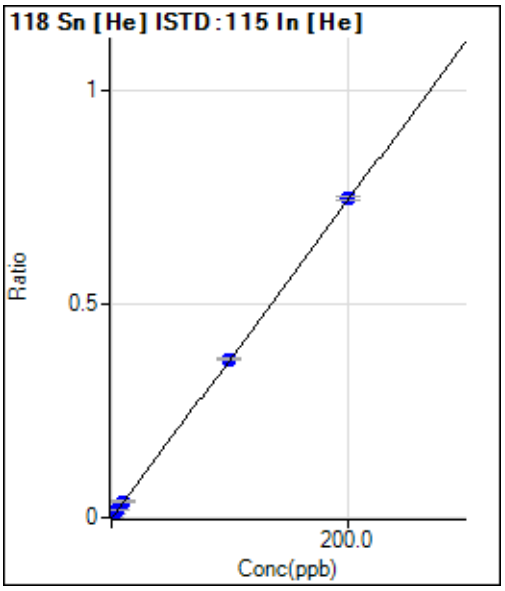


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3197.08	0.0015	P	10.7	
2	☐	2.000	1.860	16856.79	0.0078	P	2.4	-7.0
3	☐	5.000	4.556	36242.50	0.0168	P	2.7	-8.9
4	☐	10.000	9.550	72140.29	0.0336	P	2.1	-4.5
5	☐	100.000	97.969	715614.86	0.3309	P	0.2	-2.0
6	☐	200.000	201.050	1431688.83	0.6776	P	1.0	0.5
7	☐	1.000						

y = 0.0034 * x + 0.0015
R = 0.9999
DL = 0.1429 ppb
BEC = 0.4458 ppb

Weight: <None>
Min Conc: <None>

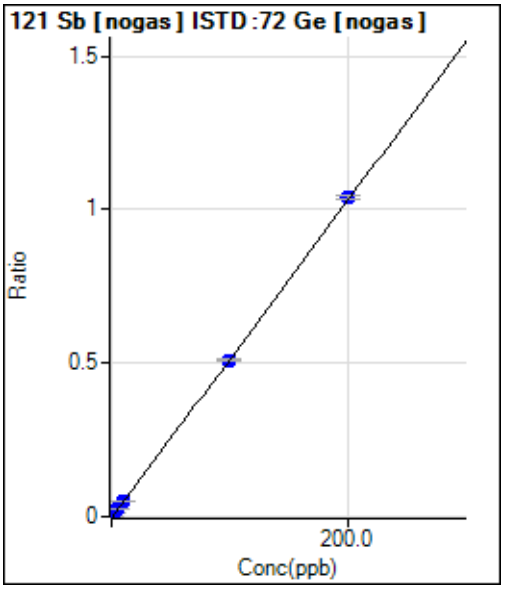
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1450.10	0.0018	P	4.8	
2	☐	2.000	1.834	7021.84	0.0086	P	5.1	-8.3
3	☐	5.000	4.452	14967.95	0.0184	P	1.9	-11.0
4	☐	10.000	9.764	31047.20	0.0381	P	0.9	-2.4
5	☐	100.000	99.323	301194.14	0.3713	P	1.8	-0.7
6	☐	200.000	200.366	589207.28	0.7471	P	0.7	0.2
7	☐	1.000						

y = 0.0037 * x + 0.0018
R = 1.0000
DL = 0.06965 ppb
BEC = 0.4854 ppb

Weight: <None>
Min Conc: <None>

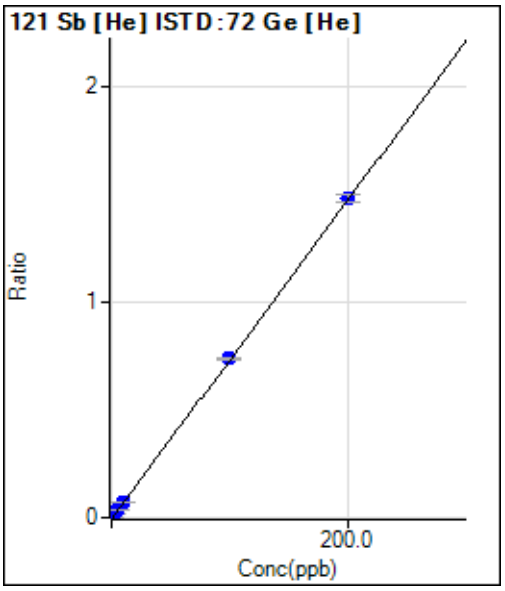


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1093.39	0.0006	P	5.2	
2	☐	2.000	1.958	21332.82	0.0107	P	2.6	-2.1
3	☐	5.000	4.549	47735.90	0.0241	P	5.0	-9.0
4	☐	10.000	9.580	98223.14	0.0501	P	0.6	-4.2
5	☐	100.000	98.195	1013632.54	0.5087	P	1.4	-1.8
6	☐	200.000	200.935	2054123.77	1.0403	P	1.0	0.5
7	☐	1.000						

y = 0.0052 * x + 5.5146E-004
R = 0.9999
DL = 0.01662 ppb
BEC = 0.1066 ppb

Weight: <None>
Min Conc: <None>

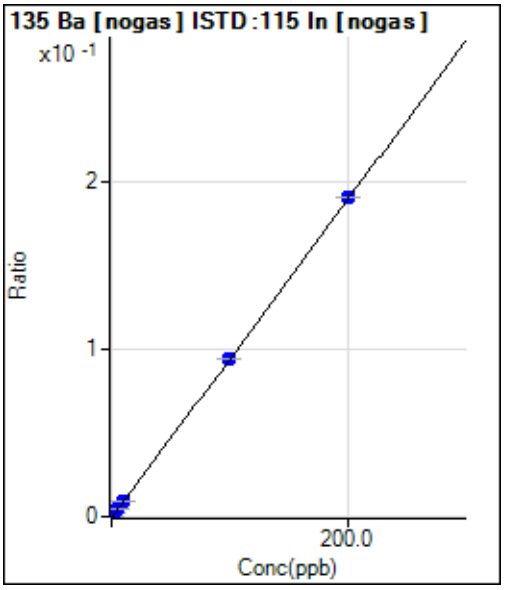
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	510.02	0.0009	P	7.4	
2	☐	2.000	1.909	8382.56	0.0150	P	4.0	-4.5
3	☐	5.000	4.677	19817.31	0.0355	P	1.5	-6.5
4	☐	10.000	9.941	41038.61	0.0743	P	2.8	-0.6
5	☐	100.000	99.593	414661.44	0.7363	P	1.0	-0.4
6	☐	200.000	200.215	817432.70	1.4793	P	1.9	0.1
7	☐	1.000						

y = 0.0074 * x + 9.1857E-004
R = 1.0000
DL = 0.02763 ppb
BEC = 0.1244 ppb

Weight: <None>
Min Conc: <None>

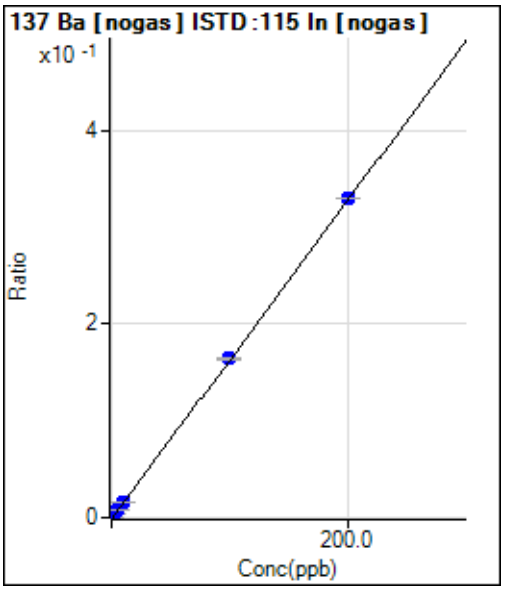


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	213.34	0.0001	P	27.4	
2	☐	2.000	1.922	4200.69	0.0019	P	3.1	-3.9
3	☐	5.000	4.688	9843.55	0.0046	P	2.7	-6.2
4	☐	10.000	9.801	20261.35	0.0094	P	1.7	-2.0
5	☐	100.000	99.158	204565.45	0.0946	P	0.4	-0.8
6	☐	200.000	200.440	403861.40	0.1911	P	0.6	0.2
7	☐	1.000						

y = 9.5310E-004 * x + 9.9800E-005
R = 1.0000
DL = 0.08613 ppb
BEC = 0.1047 ppb

Weight: <None>
Min Conc: <None>

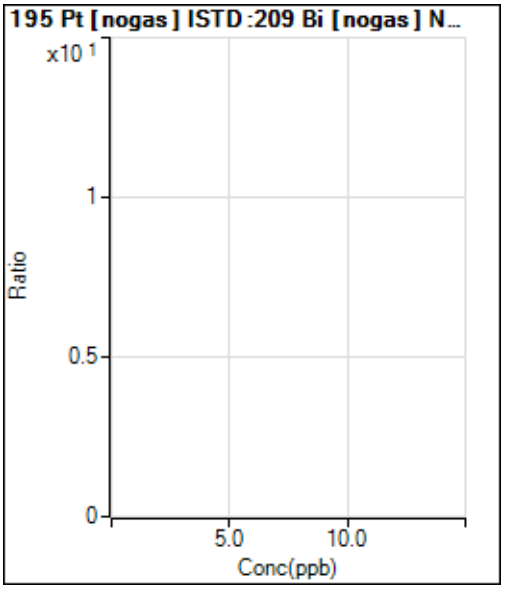
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	430.02	0.0002	P	16.1	
2	☐	2.000	2.012	7645.49	0.0035	P	1.9	0.6
3	☐	5.000	4.818	17541.04	0.0081	P	1.4	-3.6
4	☐	10.000	9.592	34358.39	0.0160	P	0.3	-4.1
5	☐	100.000	99.510	355045.10	0.1642	P	0.3	-0.5
6	☐	200.000	200.270	697760.67	0.3302	P	0.5	0.1
7	☐	1.000						

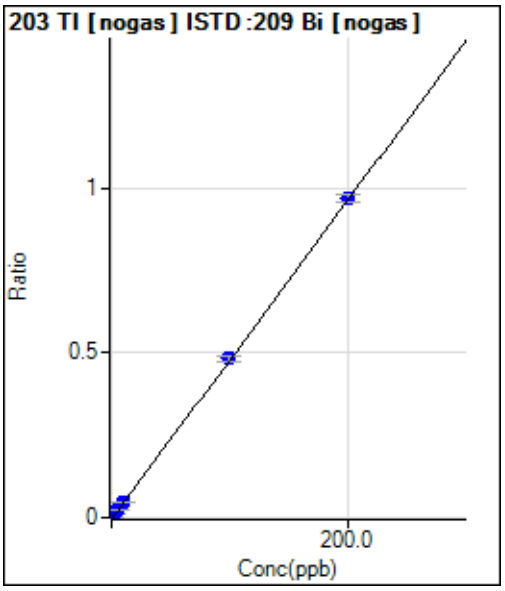
y = 0.0016 * x + 2.0131E-004
R = 1.0000
DL = 0.05897 ppb
BEC = 0.1222 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

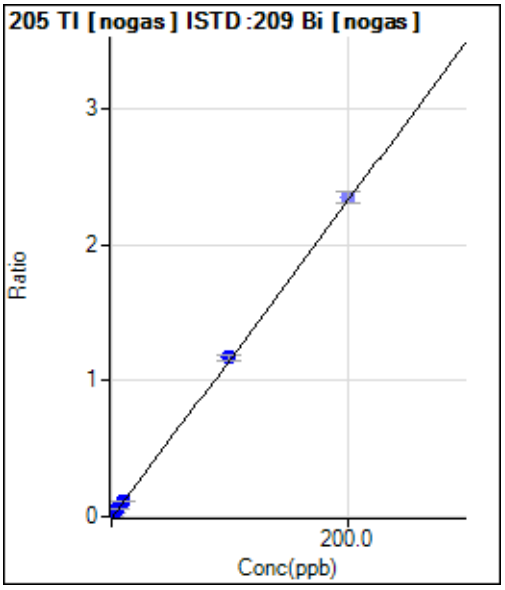
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66.67	0.0000	P	48.3	
2	☐	2.000	1.860	17878.61	0.0090	P	2.2	-7.0
3	☐	5.000	4.637	44262.01	0.0225	P	4.2	-7.3
4	☐	10.000	9.454	90189.84	0.0458	P	3.1	-5.5
5	☐	100.000	99.607	935578.94	0.4820	P	3.3	-0.4
6	☐	200.000	200.234	1857620.91	0.9689	P	2.9	0.1
7	☐	1.000						

y = 0.0048 * x + 3.3388E-005
R = 1.0000
DL = 0.009994 ppb
BEC = 0.0069 ppb

Weight: <None>
Min Conc: <None>

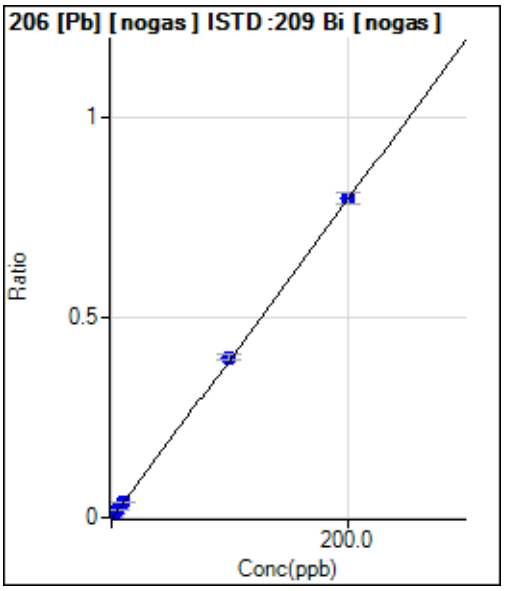


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	203.34	0.0001	P	11.0	
2	☐	2.000	1.829	42499.46	0.0215	P	1.3	-8.6
3	☐	5.000	4.623	106634.03	0.0541	P	2.5	-7.5
4	☐	10.000	9.396	216509.41	0.1099	P	3.4	-6.0
5	☐	100.000	100.083	2270385.49	1.1696	P	3.2	0.1
6	☑	200.000		4509075.97	2.3519	P	3.2	
7	☐	1.000						

y = 0.0117 * x + 1.0180E-004
R = 1.0000
DL = 0.002883 ppb
BEC = 0.008711 ppb

Weight: <None>
Min Conc: <None>

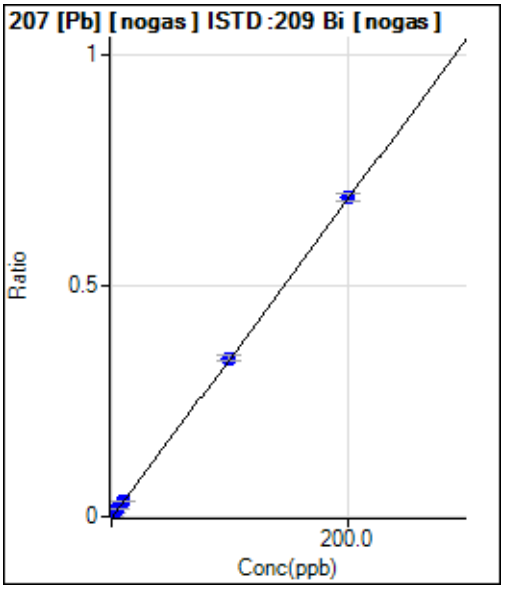
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	300.01	0.0002	P	31.3	
2	☐	2.000	1.936	15609.16	0.0079	P	1.6	-3.2
3	☐	5.000	4.710	37368.01	0.0190	P	2.3	-5.8
4	☐	10.000	9.635	76146.06	0.0386	P	1.2	-3.7
5	☐	100.000	100.421	779006.76	0.4013	P	2.7	0.4
6	☐	200.000	199.816	1530640.97	0.7984	P	3.1	-0.1
7	☐	1.000						

y = 0.0040 * x + 1.5003E-004
R = 1.0000
DL = 0.03526 ppb
BEC = 0.03756 ppb

Weight: <None>
Min Conc: <None>

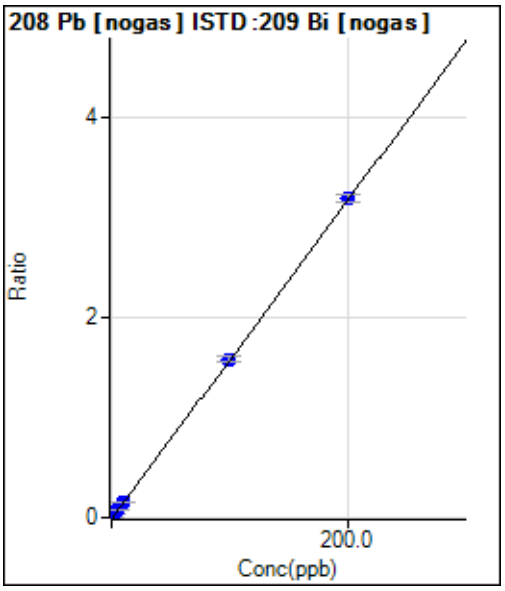


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	370.01	0.0002	P	22.0	
2	☐	2.000	1.928	13520.22	0.0068	P	4.6	-3.6
3	☐	5.000	4.642	31897.68	0.0162	P	3.4	-7.2
4	☐	10.000	9.516	65014.78	0.0330	P	2.6	-4.8
5	☐	100.000	99.496	666311.53	0.3432	P	2.9	-0.5
6	☐	200.000	200.286	1324416.20	0.6908	P	2.8	0.1
7	☐	1.000						

y = 0.0034 * x + 1.8507E-004
R = 1.0000
DL = 0.03535 ppb
BEC = 0.05367 ppb

Weight: <None>
Min Conc: <None>

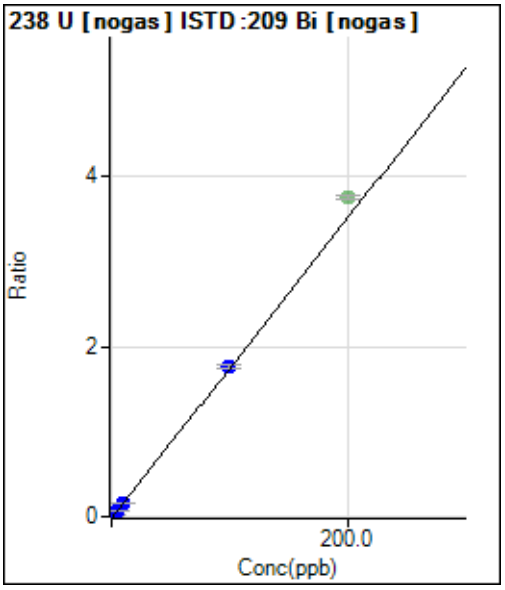
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1466.73	0.0007	P	8.4	
2	☐	2.000	1.925	62169.81	0.0314	P	2.5	-3.7
3	☐	5.000	4.643	147198.54	0.0747	P	2.8	-7.1
4	☐	10.000	9.564	301722.54	0.1531	P	2.2	-4.4
5	☐	100.000	99.492	3078833.00	1.5860	P	2.5	-0.5
6	☐	200.000	200.285	6120024.62	3.1921	P	2.9	0.1
7	☐	1.000						

y = 0.0159 * x + 7.3447E-004
R = 1.0000
DL = 0.0116 ppb
BEC = 0.04609 ppb

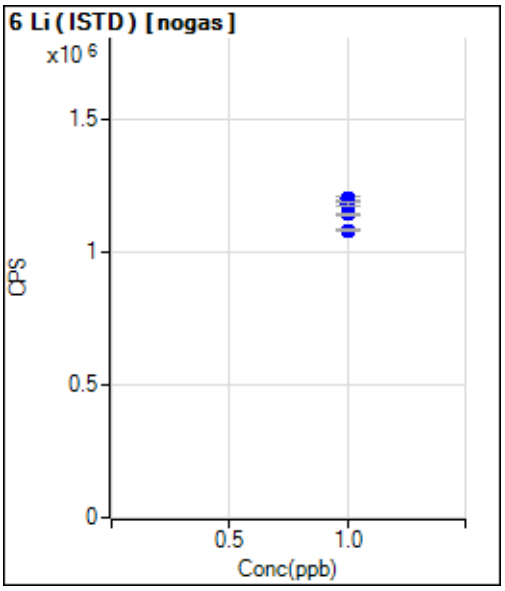
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Min Conc: <None>



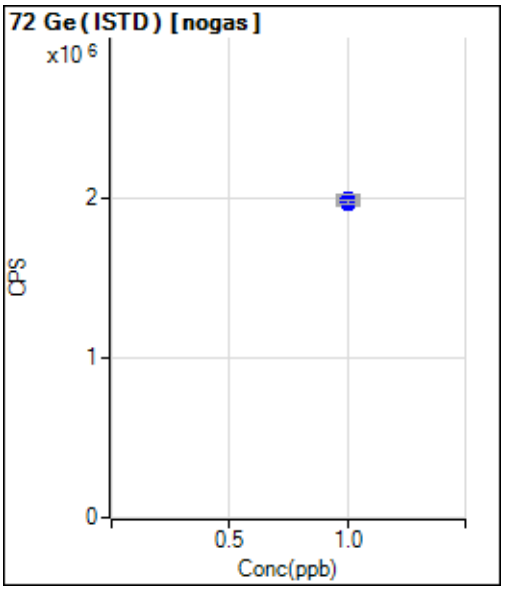
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	343.34	0.0002	P	7.4	
2	☐	2.000	1.847	64924.54	0.0328	P	3.4	-7.6
3	☐	5.000	4.414	153934.20	0.0781	P	2.3	-11.7
4	☐	10.000	9.358	325971.88	0.1655	P	3.0	-6.4
5	☐	100.000	100.097	3432208.07	1.7681	P	2.9	0.1
6	☑	200.000		7201468.64	3.7555	A	1.4	
7	☐	1.000						

y = 0.0177 * x + 1.7207E-004
R = 1.0000
DL = 0.002159 ppb
BEC = 0.009742 ppb

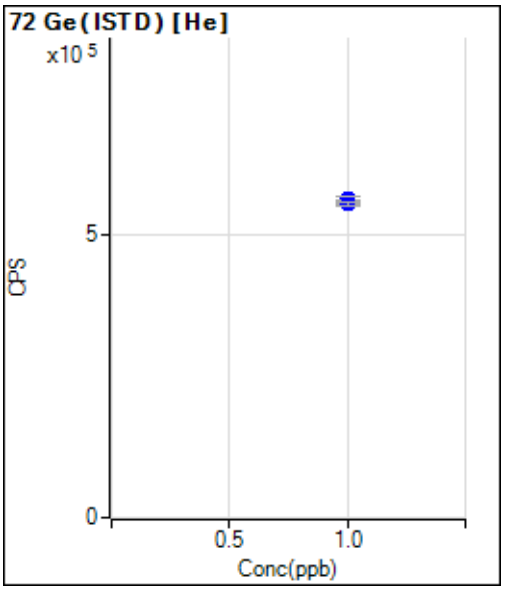
Weight: <None>
Min Conc: <None>



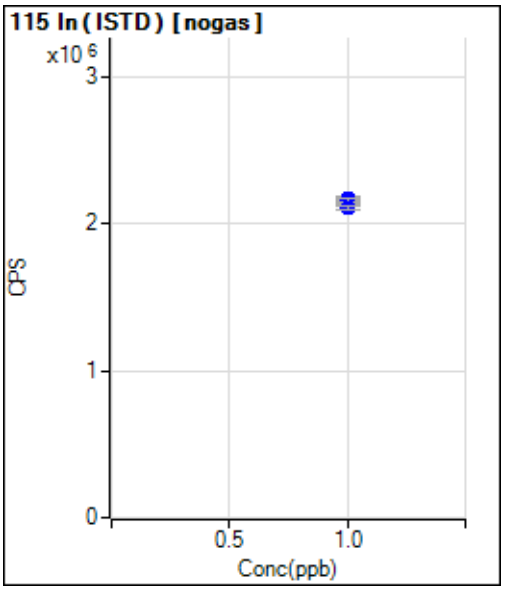
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1203227.74		P	0.8	
2	☐	1.000		1193508.93		P	0.6	
3	☐	1.000		1191395.91		P	0.9	
4	☐	1.000		1180471.97		P	1.2	
5	☐	1.000		1142066.80		P	0.9	
6	☐	1.000		1081711.07		P	0.5	
7	☐	1.000						



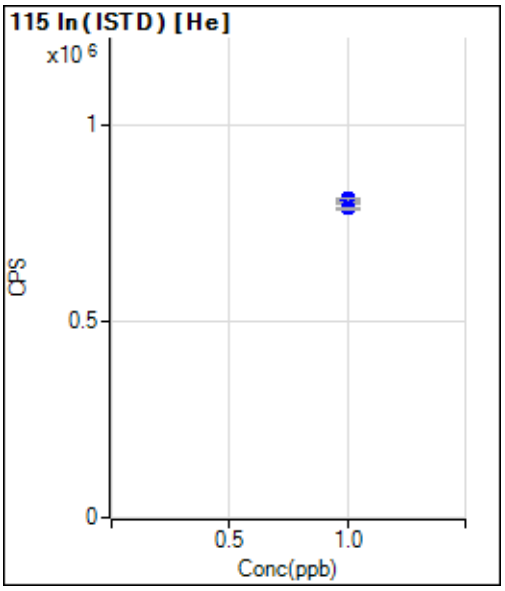
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1982231.74		P	1.2	
2	☐	1.000		1996595.18		P	1.1	
3	☐	1.000		1981613.57		P	0.4	
4	☐	1.000		1959499.40		P	1.1	
5	☐	1.000		1993151.17		P	2.4	
6	☐	1.000		1974624.14		P	1.3	
7	☐	1.000						



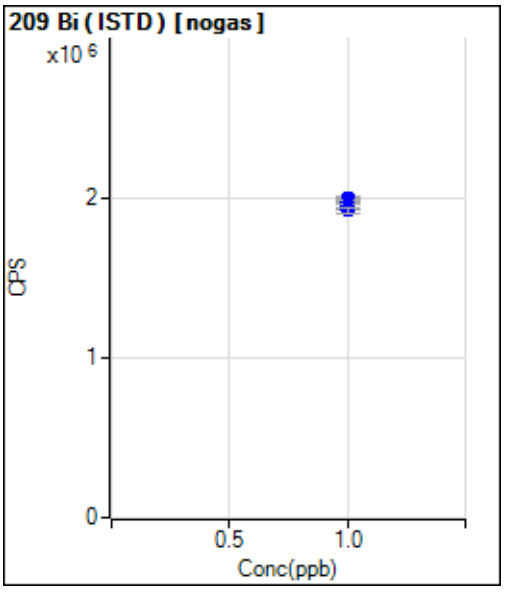
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		555354.84		P	1.1	
2	☐	1.000		558225.14		P	0.3	
3	☐	1.000		558866.96		P	0.6	
4	☐	1.000		552184.09		P	0.6	
5	☐	1.000		563184.17		P	1.0	
6	☐	1.000		552656.27		P	1.3	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2134542.14		P	1.1	
2	☐	1.000		2173965.33		P	1.0	
3	☐	1.000		2154782.79		P	0.6	
4	☐	1.000		2146212.30		P	0.6	
5	☐	1.000		2162352.09		P	1.6	
6	☐	1.000		2112971.74		P	1.0	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		803215.99		P	1.0	
2	☐	1.000		813832.25		P	0.5	
3	☐	1.000		814931.63		P	0.3	
4	☐	1.000		814303.97		P	0.6	
5	☐	1.000		811383.27		P	1.4	
6	☐	1.000		788653.90		P	0.8	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1995496.43		P	1.4	
2	☐	1.000		1979649.71		P	1.0	
3	☐	1.000		1970568.15		P	1.1	
4	☐	1.000		1970733.30		P	1.6	
5	☐	1.000		1941631.12		P	1.4	
6	☐	1.000		1917907.31		P	1.8	
7	☐	1.000						

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLICV2
Data File Name	020LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:20:54-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	1.850	0.790	11151	0.78	2	92.5	70	120	
B	11	1	nogas	26.978	1.268	127954	1.76	10	269.8	70	120	NewName Main CR1 Failed
Al	27	1	nogas	0.741	1.763	95325	1.02	2	37.1	70	120	NewName Main CR1 Failed
P	31	1	nogas	10.457	97.805	37069	2.72	10	104.6	70	120	
Ti	47	1	nogas	2.162	5.146	3307	5.55	2	108.1	70	120	
Ni	60	1	nogas	1.980	4.189	9366	4.53	2	99.0	70	120	
Cu	63	1	nogas	1.934	6.340	21883	6.49	2	96.7	70	120	
Zn	66	1	nogas	1.902	5.509	8102	4.38	2	95.1	70	120	
Se	77	1	nogas	-5.471	-39.619	3667	7.77	2	-273.5	70	120	NewName Main CR1 Failed
Se	82	1	nogas	1.947	37.464	603	19.42	2	97.3	70	120	
Sr	88	1	nogas	1.886	2.250	45561	2.40	2	94.3	70	120	
Mo	95	1	nogas	1.966	2.101	10354	0.77	2	98.3	70	120	
Ag	107	1	nogas	2.226	2.072	25202	2.12	2	111.3	70	120	
Cd	111	1	nogas	1.910	3.821	4614	2.56	2	95.5	70	120	
Sn	118	1	nogas	2.151	4.916	19116	3.00	2	107.6	70	120	
Sb	121	1	nogas	2.203	1.059	23994	1.84	2	110.1	70	120	
Ba	137	1	nogas	2.027	1.978	7756	1.20	2	101.4	70	120	
Tl	205	1	nogas	1.960	3.573	45660	2.35	2	98.0	70	120	
Pb	208	1	nogas	1.941	3.458	62537	2.09	2	97.1	70	120	
[Pb]	206	1	nogas	1.953	3.394	15703	2.88	2	97.6	70	120	
[Pb]	207	1	nogas	1.941	2.216	13584	2.51	2	97.0	70	120	
U	238	1	nogas	1.880	1.329	65946	0.19	2	94.0	70	120	
Li	7	1	nogas	1.782	3.405	123059	0.35	2	89.1	70	120	
Ba	135	1	nogas	2.081	2.429	4561	1.58	2	104.1	70	120	
Tl	203	1	nogas	1.961	5.174	18807	4.18	2	98.1	70	120	
Na	23	2	He	192.575	1.834	357642	0.68	200	96.3	70	120	
Mg	24	2	He	193.756	1.180	174792	0.27	200	96.9	70	120	
Al	27	2	He	0.926	10.970	3624	1.52	2	46.3	70	120	NewName Main CR1 Failed
K	39	2	He	186.593	1.496	254561	0.92	200	93.3	70	120	
Ca	43	2	He	210.544	7.354	613	7.35	200	105.3	70	120	
Ca	44	2	He	184.699	9.171	10100	6.25	200	92.3	70	120	
V	51	2	He	1.731	2.817	11945	1.29	2	86.6	70	120	
Cr	52	2	He	1.846	0.863	20387	1.47	2	92.3	70	120	
Mn	55	2	He	1.913	2.048	9963	2.35	2	95.7	70	120	
Fe	56	2	He	185.954	0.114	1082695	0.96	200	93.0	70	120	
Co	59	2	He	1.949	3.400	15939	3.16	2	97.4	70	120	
Ni	60	2	He	1.948	6.866	4254	5.66	2	97.4	70	120	
Cu	63	2	He	2.035	1.858	11261	0.97	2	101.8	70	120	
Zn	66	2	He	2.067	4.304	3087	2.21	2	103.4	70	120	
As	75	2	He	2.027	3.488	1851	4.17	2	101.4	70	120	
Se	77	2	He	2.865	20.652	93	16.37	2	143.2	70	120	NewName Main CR1 Failed
Sb	121	2	He	2.179	2.927	9667	2.39	2	108.9	70	120	
Se	78	2	He	2.284	22.475	253	16.65	2	114.2	70	120	
Ti	47	2	He	1.583	18.103	397	17.89	2	79.2	70	120	
Zr	90	1	nogas	1.484	2.809	25820	3.41	2	74.2	70	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2007815	0.83	1982232	101.29	70	120	
In	115	1	nogas	2189640	1.28	2134542	102.58	70	120	
Li	6	1	nogas	1209954	0.81	1203228	100.56	70	120	
Bi	209	1	nogas	1975513	1.47	1995496	99.00	70	120	
Ge	72	2	He	568490	0.99	555355	102.37	70	120	
In	115	2	He	817669	0.75	803216	101.80	70	120	

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLICV5
Data File Name	021LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:23:01-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	4.431	2.085	26444	1.31	5	88.6	70	130	
B	11	1	nogas	38.119	1.855	168050	2.25	25	152.5	70	130	NewName Main CR1 Failed
Al	27	1	nogas	3.784	1.477	138717	1.16	5	75.7	70	130	
P	31	1	nogas	24.969	20.378	37774	1.54	25	99.9	70	130	
Ti	47	1	nogas	4.733	3.987	6902	4.91	5	94.7	70	130	
Ni	60	1	nogas	4.837	4.383	21272	2.69	5	96.7	70	130	
Cu	63	1	nogas	4.918	3.011	51285	2.20	5	98.4	70	130	
Zn	66	1	nogas	5.151	1.645	17487	2.69	5	103.0	70	130	
Se	77	1	nogas	-0.880	-246.911	4174	5.39	5	-17.6	70	130	NewName Main CR1 Failed
Se	82	1	nogas	4.750	19.890	1043	13.01	5	95.0	70	130	
Sr	88	1	nogas	4.667	0.686	109534	1.03	5	93.3	70	130	
Mo	95	1	nogas	4.608	2.520	23679	2.78	5	92.2	70	130	
Ag	107	1	nogas	5.403	0.532	60469	0.94	5	108.1	70	130	
Cd	111	1	nogas	4.563	2.834	10902	2.92	5	91.3	70	130	
Sn	118	1	nogas	4.868	1.585	38739	0.74	5	97.4	70	130	
Sb	121	1	nogas	4.777	1.854	49830	3.10	5	95.5	70	130	
Ba	137	1	nogas	4.655	4.071	17071	4.03	5	93.1	70	130	
Tl	205	1	nogas	4.598	3.645	106591	3.43	5	92.0	70	130	
Pb	208	1	nogas	4.639	2.333	147083	2.01	5	92.8	70	130	
U	238	1	nogas	4.514	2.587	157413	2.13	5	90.3	70	130	
Li	7	1	nogas	4.499	2.210	172209	0.57	5	90.0	70	130	
Na	23	2	He	474.197	1.231	795551	0.68	500	94.8	70	130	
Mg	24	2	He	469.846	1.080	419808	0.25	500	94.0	70	130	
Al	27	2	He	4.717	17.327	5675	7.30	5	94.3	70	130	
K	39	2	He	460.171	1.167	504654	0.60	500	92.0	70	130	
Ca	43	2	He	464.422	13.642	1250	13.46	500	92.9	70	130	
Ca	44	2	He	484.232	2.305	22464	1.28	500	96.8	70	130	
V	51	2	He	4.618	3.644	27636	3.44	5	92.4	70	130	
Cr	52	2	He	4.612	2.713	37263	1.85	5	92.2	70	130	
Mn	55	2	He	4.926	1.581	23656	0.68	5	98.5	70	130	
Fe	56	2	He	454.974	0.849	2610833	0.45	500	91.0	70	130	
Co	59	2	He	4.786	4.024	38713	4.75	5	95.7	70	130	
Ni	60	2	He	4.831	4.512	10067	3.67	5	96.6	70	130	
Cu	63	2	He	4.844	3.542	25656	2.82	5	96.9	70	130	
Zn	66	2	He	5.063	4.471	6375	4.67	5	101.3	70	130	
As	75	2	He	4.829	2.401	4161	2.73	5	96.6	70	130	
Sb	121	2	He	4.779	1.561	20518	2.06	5	95.6	70	130	
Se	78	2	He	4.913	4.758	453	4.00	5	98.3	70	130	
Ti	47	2	He	4.761	1.665	1140	2.32	5	95.2	70	130	
Zr	90	1	nogas	3.954	1.821	65720	2.46	5	79.1	70	130	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1971639	1.71	1982232	99.47	70	120	
In	115	1	nogas	2168249	0.72	2134542	101.58	70	120	
Li	6	1	nogas	1201585	0.78	1203228	99.86	70	120	
Bi	209	1	nogas	1970158	0.50	1995496	98.73	70	120	
Ge	72	2	He	566611	0.83	555355	102.03	70	120	
In	115	2	He	826519	1.74	803216	102.90	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICB
Data File Name	023_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:27:15-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Sb	121	1	nogas	0.052	17.5	1657	5.7	2	
V	51	2	He	-0.177	-21.5	1499	13.5	2.5	
Sb	121	2	He	0.076	33.6	837	13.2	2	
V	51	1	nogas	0.082	74.3	1948	67.2	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2014655	0.61	1982232	101.64	70	120	
In	115	1	nogas	2162163	0.82	2134542	101.29	70	120	
Li	6	1	nogas	1205546	0.86	1203228	100.19	70	120	
Bi	209	1	nogas	1943167	2.57	1995496	97.38	70	120	
Ge	72	2	He	563934	0.47	555355	101.54	70	120	
In	115	2	He	814997	1.27	803216	101.47	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSA
Data File Name	024ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:31:18-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	0.038	27.133	253	21.29	2	1.9	100	50	
B	11	1	nogas	20.715	2.974	94685	1.65	20	103.6	100	50	ICSA Main CR1 Failed
Al	27	1	nogas	100365.744	1.499	1421294165	0.73	10	1003657.4	100	0	
P	31	1	nogas	926975.979	1.172	83911950	0.27	20	4634879.9	100	50	ICSA Main CR1 FailedICSA Main CR2 Failed
Ti	47	1	nogas	2134.370	0.407	2896548	1.35	5	42687.4	100	50	ICSA Main CR1 Failed
Ni	60	1	nogas	1.606	0.432	7275	1.34	5	32.1	100	50	
Cu	63	1	nogas	1.115	6.246	12702	5.59	2	55.7	100	50	
Zn	66	1	nogas	3.840	5.209	13029	5.04	5	76.8	100	50	ICSA Main CR1 Failed
Se	77	1	nogas	15.566	7.155	5958	3.21	5	311.3	100	50	ICSA Main CR1 Failed
Se	82	1	nogas	-0.260	-132.314	227	24.30	2	-13.0	100	50	
Sr	88	1	nogas	1.010	1.631	21997	1.46	5	20.2	100	50	
Mo	95	1	nogas	2176.627	0.210	9796825	0.05	5	43532.5	100	50	ICSA Main CR1 Failed
Ag	107	1	nogas	0.045	27.845	513	24.67	5	0.9	100	50	
Cd	111	1	nogas	0.730	18.657	1554	18.66	2	36.5	100	50	
Sn	118	1	nogas	0.443	5.361	5738	2.54	10	4.4	100	50	
Sb	121	1	nogas	0.177	2.611	2764	2.06	4	4.4	100	50	
Ba	137	1	nogas	0.664	0.326	2487	0.23	5	13.3	100	50	
Tl	205	1	nogas	0.018	20.739	563	18.65	2	0.9	100	50	
Pb	208	1	nogas	0.965	6.906	28335	1.14	5	19.3	100	50	
U	238	1	nogas	0.008	50.238	563	19.79	5	0.2	0	50	
Li	7	1	nogas	0.429	1.663	88580	0.68		#DIV/0!	0	50	
Ba	135	1	nogas	0.706	5.679	1483	5.15		#DIV/0!	0	50	
Tl	203	1	nogas	0.030	33.948	310	25.81		#DIV/0!	0	50	
Na	23	2	He	106312.801	1.273	153593031	0.77	200	53156.4	100	0	
Mg	24	2	He	105281.950	1.360	86754682	0.84	200	52641.0	100	0	
Al	27	2	He	104830.729	1.600	52880353	1.05	10	1048307.3	100	0	
K	39	2	He	107279.633	1.388	91226622	0.82	200	53639.8	100	0	
Ca	43	2	He	100244.332	0.552	233528	0.37	200	50122.2	100	0	
Ca	44	2	He	103650.289	1.356	3975396	0.80	200	51825.1	100	0	
V	51	2	He	0.202	25.459	3308	7.48	5	4.0	100	50	
Cr	52	2	He	0.877	20.305	13316	7.04	5	17.5	100	50	
Mn	55	2	He	1.538	5.379	7612	4.12	5	30.8	100	50	
Fe	56	2	He	103803.224	0.572	547525992	0.29	200	51901.6	100	50	ICSA Main CR1 Failed
Co	59	2	He	1.047	8.053	7996	7.43	5	20.9	100	50	
Ni	60	2	He	1.173	3.892	2477	3.82	5	23.5	100	50	
Cu	63	2	He	0.879	0.764	4891	0.35	2	43.9	100	50	
Zn	66	2	He	3.434	5.491	4244	4.91	5	68.7	100	50	ICSA Main CR1 Failed
As	75	2	He	0.444	5.841	497	3.55	5	8.9	100	50	
Sb	121	2	He	0.185	22.012	1200	13.10	4	4.6	100	50	
Se	78	2	He	-0.009	-2936.448	70	28.57	2	-0.5	100	50	
Ti	47	2	He	2133.528	2.413	463274	1.86	5	42670.6	100	50	ICSA Main CR1 Failed
Cr	52	1	nogas	0.782	1.356	25639	0.85		#DIV/0!	0	50	
Mn	55	1	nogas	0.980	0.369	31236	1.22		#DIV/0!	0	50	
Co	59	1	nogas	0.990	1.692	18655	2.18		#DIV/0!	0	50	
V	51	1	nogas	0.164	65.482	3430	61.58		#DIV/0!	0	50	
Fe	56	1	nogas	102190.705	0.946	1946805678	0.28		#DIV/0!	0	50	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1883073	0.97	1982232	95.00	70	120	
In	115	1	nogas	1920739	0.24	2134542	89.98	70	120	
Li	6	1	nogas	1093742	0.75	1203228	90.90	70	120	
Bi	209	1	nogas	1762421	5.70	1995496	88.32	70	120	
Ge	72	2	He	524866	0.57	555355	94.51	70	120	
In	115	2	He	725596	0.32	803216	90.34	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	025ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T10:33:22-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	93.866	1.044	489569	1.90	100	93.9	80	120	
B	11	1	nogas	524.632	0.354	1714043	1.68	100	524.6	80	120	ICSB Main CR1 Failed
Al	27	1	nogas	96894.535	0.509	1410178059	1.11	100100	96.8	80	120	
Ti	47	1	nogas	2192.156	0.802	3057106	1.33	2100	104.4	80	120	
Ni	60	1	nogas	92.095	1.675	383149	2.19	100	92.1	80	120	
Cu	63	1	nogas	91.057	1.127	895043	2.07	100	91.1	80	120	
Zn	66	1	nogas	98.734	0.204	286626	1.41	100	98.7	80	120	
Se	77	1	nogas	119.278	5.043	18879	4.19	100	119.3	80	120	
Se	82	1	nogas	100.389	3.654	16172	4.89	100	100.4	80	120	
Sr	88	1	nogas	103.519	1.109	2163485	1.76	100	103.5	80	120	
Mo	95	1	nogas	2239.759	0.461	10262027	1.53	2100	106.7	80	120	
Ag	107	1	nogas	108.888	0.083	1097625	1.35	100	108.9	80	120	
Cd	111	1	nogas	100.321	1.153	215918	2.12	100	100.3	80	120	
Sn	118	1	nogas	101.653	1.272	671303	2.16	100	101.7	80	120	
Sb	121	1	nogas	98.143	1.168	983766	1.43	100	98.1	80	120	
Ba	137	1	nogas	103.792	1.468	334836	2.34	100	103.8	80	120	
Tl	205	1	nogas	99.698	2.537	2040121	2.97	100	99.7	80	120	
Pb	208	1	nogas	101.664	2.423	2823489	2.86	100	101.7	80	120	
U	238	1	nogas	103.151	1.765	3174402	2.21	100	103.2	80	120	
Li	7	1	nogas	100.665	0.746	1700476	1.25	100	100.7	80	120	
Na	23	2	He	113727.509	0.279	166128534	0.81	110000	103.4	80	120	
Mg	24	2	He	112246.430	0.683	93519382	0.35	110000	102.0	80	120	
Al	27	2	He	102605.124	0.426	52333203	0.55	100100	102.5	80	120	
K	39	2	He	113797.131	1.186	97840105	1.32	110000	103.5	80	120	
Ca	43	2	He	109322.253	1.038	257481	0.48	110000	99.4	80	120	
Ca	44	2	He	112070.147	0.713	4345811	0.15	110000	101.9	80	120	
V	51	2	He	98.577	0.490	505447	1.31	100	98.6	80	120	
Cr	52	2	He	96.979	0.793	564979	0.94	100	97.0	80	120	
Mn	55	2	He	99.605	1.826	426224	2.01	100	99.6	80	120	
Fe	56	2	He	112264.861	0.888	598730564	1.27	110000	102.1	80	120	
Co	59	2	He	96.177	1.525	724630	1.34	100	96.2	80	120	
Ni	60	2	He	94.829	0.306	179849	0.74	100	94.8	80	120	
Cu	63	2	He	92.719	0.914	447102	1.29	100	92.7	80	120	
Zn	66	2	He	99.440	0.619	103238	0.78	100	99.4	80	120	
As	75	2	He	101.425	1.135	78674	0.30	100	101.4	80	120	
Sb	121	2	He	99.660	0.788	391006	0.65	100	99.7	80	120	
Se	78	2	He	99.290	1.580	7209	1.97	100	99.3	80	120	
Ti	47	2	He	2194.694	0.299	481886	1.16	100	2194.7	80	120	ICSB Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1935197	1.56	1982232	97.63	70	120	
In	115	1	nogas	1955195	1.27	2134542	91.60	70	120	
Li	6	1	nogas	1052158	1.34	1203228	87.44	70	120	
Bi	209	1	nogas	1742091	0.46	1995496	87.30	70	120	
Ge	72	2	He	530682	0.86	555355	95.56	70	120	
In	115	2	He	727439	0.39	803216	90.57	70	120	

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	105CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T13:34:28-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	48	65.39
B	11	1	nogas	58366	0.00
Al	27	1	nogas	99390	0.00
P	31	1	nogas	48093	0.00
Ti	47	1	nogas	197	15.15
Ni	60	1	nogas	567	2.65
Cu	63	1	nogas	1193	1.10
Zn	66	1	nogas	2654	0.30
Se	77	1	nogas	5841	0.11
Se	82	1	nogas	320	5.94
Sr	88	1	nogas	1553	0.32
Mo	95	1	nogas	203	7.39
Ag	107	1	nogas	83	46.29
Sn	118	1	nogas	2767	0.16
Sb	121	1	nogas	577	2.11
Ba	137	1	nogas	530	4.33
Tl	205	1	nogas	93	56.63
Pb	208	1	nogas	767	1.54
Li	7	1	nogas	97484	0.00
Na	23	2	He	66547	0.00
Mg	24	2	He	1817	0.21
Al	27	2	He	3630	0.27
K	39	2	He	94313	0.00
Ca	43	2	He	103	62.36
Ca	44	2	He	1944	0.30
V	51	2	He	2707	0.70
Cr	52	2	He	10074	0.02
Mn	55	2	He	1150	0.87
Fe	56	2	He	21746	0.01
Co	59	2	He	70	20.41
Ni	60	2	He	263	0.83
Cu	63	2	He	597	2.03
Zn	66	2	He	830	0.29
As	75	2	He	198	6.84
Sb	121	2	He	247	9.05
Se	78	2	He	79	13.06

QC ISTD Table

Calibration Blank Report

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Ge	72	1	nogas	2338924	0.40
In	115	1	nogas	2494311	0.58
Li	6	1	nogas	1369634	0.98

Calibration Blank Report

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Bi	209	1	nogas	2222206	2.82
Ge	72	2	He	638660	1.39
In	115	2	He	918037	0.65

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	106CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T13:36:36-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	105CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	12617	0.01
B	11	1	nogas	97005	0.00
Al	27	1	nogas	110431	0.00
P	31	1	nogas	50488	0.01
Ti	47	1	nogas	3344	0.18
Ni	60	1	nogas	10541	0.02
Cu	63	1	nogas	24567	0.01
Zn	66	1	nogas	9123	0.04
Se	77	1	nogas	5688	0.04
Se	82	1	nogas	723	0.48
Sr	88	1	nogas	52925	0.01
Mo	95	1	nogas	11198	0.04
Ag	107	1	nogas	28291	0.01
Cd	111	1	nogas	5638	0.14
Sn	118	1	nogas	18258	0.00
Sb	121	1	nogas	22655	0.01
Ba	137	1	nogas	8699	0.04
Tl	205	1	nogas	48410	0.01
Pb	208	1	nogas	67380	0.00
Na	23	2	He	419109	0.00
Mg	24	2	He	202181	0.00
Al	27	2	He	4051	0.02
K	39	2	He	299341	0.00
Ca	43	2	He	703	1.62
Ca	44	2	He	11545	0.04
V	51	2	He	14570	0.02
Cr	52	2	He	22504	0.01
Mn	55	2	He	10641	0.04
Fe	56	2	He	1251552	0.00
Co	59	2	He	18498	0.00
Ni	60	2	He	4998	0.14
Cu	63	2	He	12225	0.01
Zn	66	2	He	3721	0.30
As	75	2	He	2090	0.21
Sb	121	2	He	9130	0.01
Se	78	2	He	263	5.81

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2325446	0.59	2338924	99.42	70	120	
In	115	1	nogas	2496167	0.76	2494311	100.07	70	120	
Li	6	1	nogas	1359468	0.79	1369634	99.26	70	120	
Bi	209	1	nogas	2205027	1.85	2222206	99.23	70	120	
Ge	72	2	He	652930	0.63	638660	102.23	70	120	
In	115	2	He	927093	0.86	918037	100.99	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	107CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T13:38:42-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	105CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	30199	0.01
B	11	1	nogas	151524	0.00
Al	27	1	nogas	172768	0.00
P	31	1	nogas	51998	0.00
Ti	47	1	nogas	7912	0.09
Ni	60	1	nogas	24484	0.01
Cu	63	1	nogas	57862	0.00
Zn	66	1	nogas	20017	0.02
Se	77	1	nogas	6492	0.02
Se	82	1	nogas	1163	1.01
Sr	88	1	nogas	124247	0.00
Mo	95	1	nogas	26361	0.01
Ag	107	1	nogas	67741	0.00
Cd	111	1	nogas	12466	0.02
Sn	118	1	nogas	40658	0.01
Sb	121	1	nogas	53851	0.01
Ba	137	1	nogas	19217	0.01
Tl	205	1	nogas	117291	0.00
Pb	208	1	nogas	162155	0.00
Na	23	2	He	924727	0.00
Mg	24	2	He	481216	0.00
Al	27	2	He	6398	0.02
K	39	2	He	586972	0.00
Ca	43	2	He	1383	1.58
Ca	44	2	He	25225	0.00
V	51	2	He	30896	0.02
Cr	52	2	He	43135	0.00
Mn	55	2	He	25789	0.01
Fe	56	2	He	2999583	0.00
Co	59	2	He	44352	0.00
Ni	60	2	He	11321	0.02
Cu	63	2	He	29753	0.00
Zn	66	2	He	7512	0.04
As	75	2	He	4753	0.05
Sb	121	2	He	22254	0.01
Se	78	2	He	502	0.73

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2308597	0.79	2338924	98.70	70	120	
In	115	1	nogas	2489501	1.00	2494311	99.81	70	120	
Li	6	1	nogas	1346308	0.58	1369634	98.30	70	120	
Bi	209	1	nogas	2212425	2.89	2222206	99.56	70	120	
Ge	72	2	He	651297	0.07	638660	101.98	70	120	
In	115	2	He	929249	0.85	918037	101.22	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/1000
Data File Name	108CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T13:40:49-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	105CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	62587	0.00
B	11	1	nogas	253539	0.00
Al	27	1	nogas	243272	0.00
P	31	1	nogas	55735	0.00
Ti	47	1	nogas	16162	0.03
Ni	60	1	nogas	48264	0.00
Cu	63	1	nogas	116916	0.00
Zn	66	1	nogas	35713	0.01
Se	77	1	nogas	7972	0.05
Se	82	1	nogas	2197	0.70
Sr	88	1	nogas	254353	0.00
Mo	95	1	nogas	54408	0.01
Ag	107	1	nogas	141264	0.00
Cd	111	1	nogas	26004	0.01
Sn	118	1	nogas	81603	0.00
Sb	121	1	nogas	111273	0.00
Ba	137	1	nogas	38479	0.01
Tl	205	1	nogas	243609	0.00
Pb	208	1	nogas	333678	0.00
Na	23	2	He	1802471	0.00
Mg	24	2	He	981401	0.00
Al	27	2	He	8899	0.05
K	39	2	He	1085074	0.00
Ca	43	2	He	2804	0.21
Ca	44	2	He	47922	0.00
V	51	2	He	62058	0.01
Cr	52	2	He	77974	0.00
Mn	55	2	He	52113	0.00
Fe	56	2	He	6614454	0.00
Co	59	2	He	88727	0.00
Ni	60	2	He	22824	0.01
Cu	63	2	He	59267	0.00
Zn	66	2	He	13076	0.01
As	75	2	He	9440	0.04
Sb	121	2	He	45335	0.00
Se	78	2	He	914	0.29

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2309191	0.83	2338924	98.73	70	120	
In	115	1	nogas	2487327	0.66	2494311	99.72	70	120	
Li	6	1	nogas	1342773	0.34	1369634	98.04	70	120	
Bi	209	1	nogas	2220260	2.51	2222206	99.91	70	120	
Ge	72	2	He	642381	0.28	638660	100.58	70	120	
In	115	2	He	923588	0.67	918037	100.60	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	109CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T13:42:56-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	105CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	632428	0.00
B	11	1	nogas	2029285	0.00
Al	27	1	nogas	1799859	0.00
P	31	1	nogas	106938	0.00
Ti	47	1	nogas	164952	0.00
Ni	60	1	nogas	486625	0.00
Cu	63	1	nogas	1145901	0.00
Zn	66	1	nogas	340039	0.00
Se	77	1	nogas	19106	0.01
Se	82	1	nogas	19026	0.02
Sr	88	1	nogas	2602344	0.00
Mo	95	1	nogas	558335	0.00
Ag	107	1	nogas	1245529	0.00
Cd	111	1	nogas	265466	0.00
Sn	118	1	nogas	807307	0.00
Sb	121	1	nogas	1149120	0.00
Ba	137	1	nogas	398258	0.00
Tl	205	1	nogas	2479027	0.00
Pb	208	1	nogas	3392613	0.00
Na	23	2	He	17831388	0.00
Mg	24	2	He	10100787	0.00
Al	27	2	He	64020	0.00
K	39	2	He	10690889	0.00
Ca	43	2	He	29128	0.01
Ca	44	2	He	469188	0.00
V	51	2	He	613389	0.00
Cr	52	2	He	693664	0.00
Mn	55	2	He	515159	0.00
Fe	56	2	He	65348781	0.00
Co	59	2	He	908228	0.00
Ni	60	2	He	224630	0.00
Cu	63	2	He	575562	0.00
Zn	66	2	He	124424	0.00
As	75	2	He	93501	0.00
Sb	121	2	He	458279	0.00
Se	78	2	He	8778	0.02

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2320299	0.85	2338924	99.20	70	120	
In	115	1	nogas	2460060	1.69	2494311	98.63	70	120	
Li	6	1	nogas	1262458	0.14	1369634	92.17	70	120	
Bi	209	1	nogas	2187032	0.97	2222206	98.42	70	120	
Ge	72	2	He	640831	0.90	638660	100.34	70	120	
In	115	2	He	914161	0.91	918037	99.58	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	110CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T13:45:01-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	105CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	1220021	0.00
B	11	1	nogas	3970871	0.00
Al	27	1	nogas	3419934	0.00
P	31	1	nogas	154229	0.00
Ti	47	1	nogas	320358	0.00
Ni	60	1	nogas	941590	0.00
Cu	63	1	nogas	2217217	0.00
Zn	66	1	nogas	663312	0.00
Se	77	1	nogas	32977	0.01
Se	82	1	nogas	37020	0.00
Sr	88	1	nogas	5372347	0.00
Mo	95	1	nogas	1108328	0.00
Ag	107	1	nogas	2431924	0.00
Cd	111	1	nogas	521899	0.00
Sn	118	1	nogas	1611475	0.00
Sb	121	1	nogas	2305797	0.00
Ba	137	1	nogas	796818	0.00
Tl	205	1	nogas	5282593	0.00
Pb	208	1	nogas	6704128	0.00
Na	23	2	He	34445404	0.00
Mg	24	2	He	19477114	0.00
Al	27	2	He	123819	0.00
K	39	2	He	20539382	0.00
Ca	43	2	He	54652	0.00
Ca	44	2	He	915174	0.00
V	51	2	He	1201088	0.00
Cr	52	2	He	1353115	0.00
Mn	55	2	He	1003702	0.00
Fe	56	2	He	126386998	0.00
Co	59	2	He	1759577	0.00
Ni	60	2	He	445771	0.00
Cu	63	2	He	1120829	0.00
Zn	66	2	He	240419	0.00
As	75	2	He	181729	0.00
Sb	121	2	He	918093	0.00
Se	78	2	He	16720	0.01

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2245378	0.83	2338924	96.00	70	120	
In	115	1	nogas	2386058	0.87	2494311	95.66	70	120	
Li	6	1	nogas	1164046	0.41	1369634	84.99	70	120	
Bi	209	1	nogas	2108918	1.57	2222206	94.90	70	120	
Ge	72	2	He	627359	0.58	638660	98.23	70	120	
In	115	2	He	883880	0.61	918037	96.28	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICCV
Data File Name	112_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T13:52:17-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	105CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	101.018	0.670	640781	0.81	100	101.0	90	110	
B	11	1	nogas	463.314	2.076	2003573	2.22	500	92.7	90	110	
Al	27	1	nogas	102.112	1.830	1836998	1.90	100	102.1	90	110	
P	31	1	nogas	2037.593	1.506	276591	1.77	500	407.5	90	110	ICV Main CR1 Failed
Ti	47	1	nogas	104.062	1.020	171130	2.30	100	104.1	90	110	
Ni	60	1	nogas	103.372	1.449	499976	1.99	100	103.4	90	110	
Cu	63	1	nogas	103.030	1.270	1173542	2.18	100	103.0	90	110	
Zn	66	1	nogas	101.264	1.158	345378	2.28	100	101.3	90	110	
Se	77	1	nogas	93.542	0.908	18765	2.61	100	93.5	90	110	
Se	82	1	nogas	99.369	3.020	18989	1.83	100	99.4	90	110	
Sr	88	1	nogas	98.351	1.397	2672523	1.55	100	98.4	90	110	
Mo	95	1	nogas	100.415	1.404	567167	1.49	100	100.4	90	110	
Ag	107	1	nogas	109.017	1.281	1356010	1.72	100	109.0	90	110	
Cd	111	1	nogas	101.692	0.702	270953	0.71	100	101.7	90	110	
Sn	118	1	nogas	101.414	1.228	832956	1.74	100	101.4	90	110	
Sb	121	1	nogas	101.521	1.762	1193348	1.23	100	101.5	90	110	
Ba	137	1	nogas	100.860	1.296	409080	2.06	100	100.9	90	110	
Tl	205	1	nogas	95.605	3.905	2568192	2.23	100	95.6	90	110	
Pb	208	1	nogas	99.381	3.155	3437894	1.52	100	99.4	90	110	
U	238	1	nogas	95.945	3.104	3931200	1.44	100	95.9	90	110	
Li	7	1	nogas	99.398	0.093	2031546	0.43	100	99.4	90	110	
Ba	135	1	nogas	101.504	0.686	235476	1.17	100	101.5	90	110	
Tl	203	1	nogas	101.132	4.296	1069887	2.62	100	101.1	90	110	
Na	23	2	He	10180.742	1.180	18091352	1.20	10000	101.8	90	110	
Mg	24	2	He	10327.391	1.168	10274952	1.13	10000	103.3	90	110	
Al	27	2	He	101.275	1.328	65422	1.74	100	101.3	90	110	
K	39	2	He	10175.834	0.830	10720614	1.40	10000	101.8	90	110	
Ca	43	2	He	10264.445	2.793	28851	2.42	10000	102.6	90	110	
Ca	44	2	He	10108.986	0.798	472264	1.22	10000	101.1	90	110	
V	51	2	He	102.690	0.615	629056	0.75	100	102.7	90	110	
Cr	52	2	He	101.875	1.097	706380	1.41	100	101.9	90	110	
Mn	55	2	He	102.044	1.665	522484	1.02	100	102.0	90	110	
Fe	56	2	He	10128.543	1.326	65354206	0.60	10000	101.3	90	110	
Co	59	2	He	102.392	1.627	919361	0.90	100	102.4	90	110	
Ni	60	2	He	102.749	1.234	232707	0.74	100	102.7	90	110	
Cu	63	2	He	102.194	0.927	584182	0.58	100	102.2	90	110	
Zn	66	2	He	101.535	0.940	124972	0.89	100	101.5	90	110	
As	75	2	He	102.316	0.769	94905	1.22	100	102.3	90	110	
Sb	121	2	He	103.294	1.851	480757	1.39	100	103.3	90	110	
Se	78	2	He	101.200	2.091	8695	1.81	100	101.2	90	110	
Ti	47	2	He	102.180	2.111	26814	1.63	100	102.2	90	110	
Zr	90	1	nogas	81.159	1.070	1480386	1.18	100	81.2	90	110	ICV Main CR1 Failed

QC ISTD Table

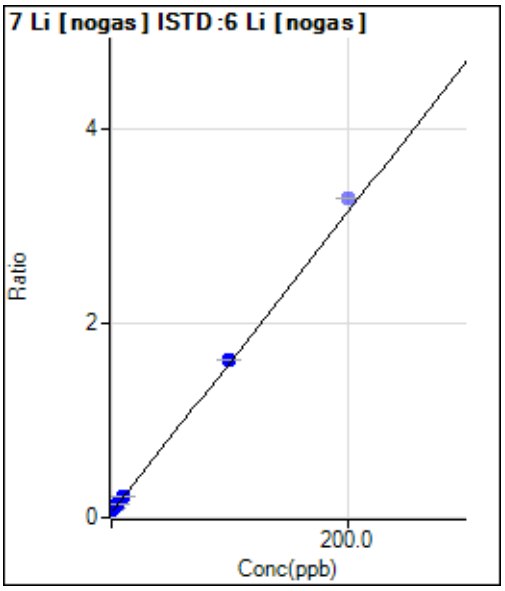
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2306208	2.76	2338924	98.60	70	120	
In	115	1	nogas	2443225	0.89	2494311	97.95	70	120	
Li	6	1	nogas	1267488	0.40	1369634	92.54	70	120	
Bi	209	1	nogas	2187206	1.71	2222206	98.42	70	120	
Ge	72	2	He	638964	0.73	638660	100.05	70	120	
In	115	2	He	916103	0.46	918037	99.79	70	120	

Calibration for 112_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070424A.b\
Analysis File: 070424A.batch.bin
DA Date-Time: 7/4/2024 9:09:53 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	105CALB.d	CAL BLK	7/4/2024 1:34:28 PM
2	106CALS.d	2/10/200	7/4/2024 1:36:36 PM
3	107CALS.d	5/25/500	7/4/2024 1:38:42 PM
4	108CALS.d	10/50/1000	7/4/2024 1:40:49 PM
5	109CALS.d	100/500/10K	7/4/2024 1:42:56 PM
6	110CALS.d	200/1000/20K	7/4/2024 1:45:01 PM
7			

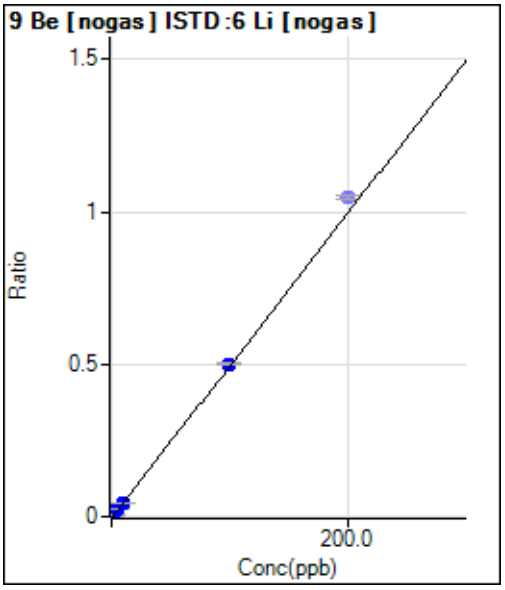
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	97483.65	0.0712	P	1.1	
2	☐	2.000	1.867	135882.28	0.1000	P	0.7	-6.6
3	☐	5.000	4.606	191377.04	0.1422	P	1.0	-7.9
4	☐	10.000	9.386	289781.91	0.2158	P	0.6	-6.1
5	☐	100.000	100.084	2036819.40	1.6134	P	0.2	0.1
6	☑	200.000		3818887.03	3.2807	P	0.3	
7	☐	1.000						

y = 0.0154 * x + 0.0712
R = 1.0000
DL = 0.1514 ppb
BEC = 4.619 ppb

Weight: <None>
Min Conc: <None>

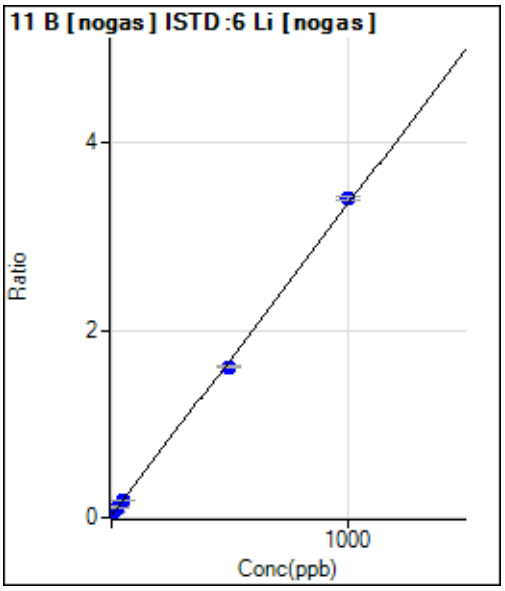


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	48.33	0.0000	P	31.6	
2	☐	2.000	1.848	12616.84	0.0093	P	1.9	-7.6
3	☐	5.000	4.475	30199.28	0.0224	P	1.6	-10.5
4	☐	10.000	9.307	62586.75	0.0466	P	0.4	-6.9
5	☐	100.000	100.099	632428.08	0.5010	P	0.5	0.1
6	☑	200.000		1220021.00	1.0481	P	0.8	
7	☐	1.000						

y = 0.0050 * x + 3.5279E-005
R = 1.0000
DL = 0.006681 ppb
BEC = 0.00705 ppb

Weight: <None>
Min Conc: <None>

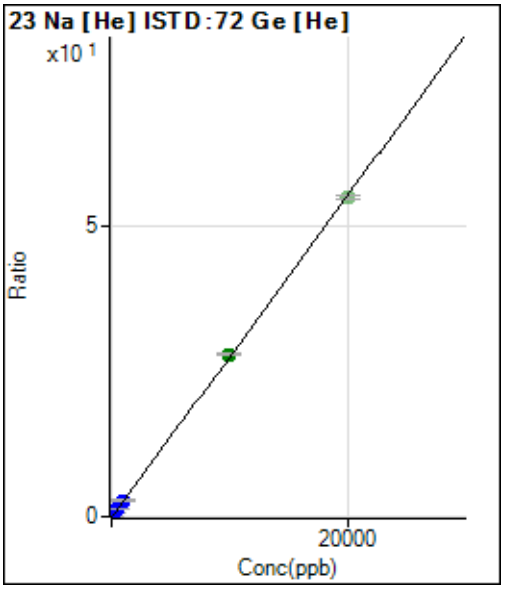
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	58365.83	0.0426	P	0.4	
2	☐	10.000	8.658	97004.83	0.0714	P	0.6	-13.4
3	☐	25.000	21.065	151523.51	0.1125	P	0.9	-15.7
4	☐	50.000	44.039	253538.51	0.1888	P	0.7	-11.9
5	☐	500.000	471.364	2029285.28	1.6074	P	1.6	-5.7
6	☐	1000.000	1014.728	3970870.88	3.4113	P	1.2	1.5
7	☐	5.000						

y = 0.0033 * x + 0.0426
R = 0.9995
DL = 0.172 ppb
BEC = 12.84 ppb

Weight: <None>
Min Conc: <None>

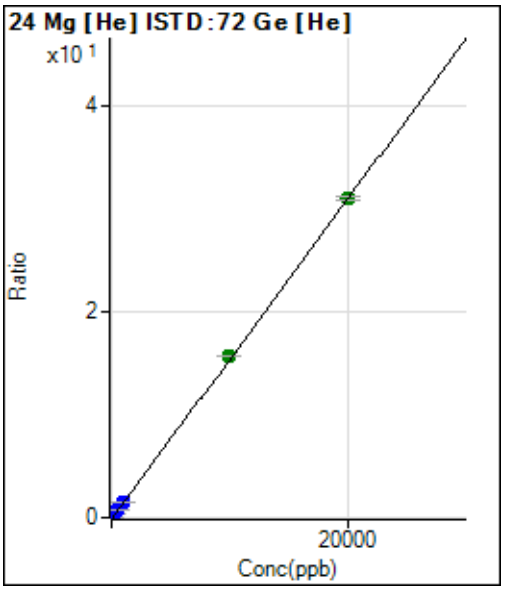


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66546.67	0.1042	P	0.9	
2	☐	200.000	194.054	419109.14	0.6419	P	0.4	-3.0
3	☐	500.000	474.805	924727.05	1.4198	P	0.8	-5.0
4	☐	1000.000	975.056	1802470.70	2.8060	P	1.1	-2.5
5	☐	10000.00	10003.87	17831388.07	27.8239	A	1.0	0.0
6	☑	20000.00		34445403.65	54.9064	A	0.6	
7	☐	100.000						

y = 0.0028 * x + 0.1042
R = 1.0000
DL = 0.9817 ppb
BEC = 37.6 ppb

Weight: <None>
Min Conc: <None>

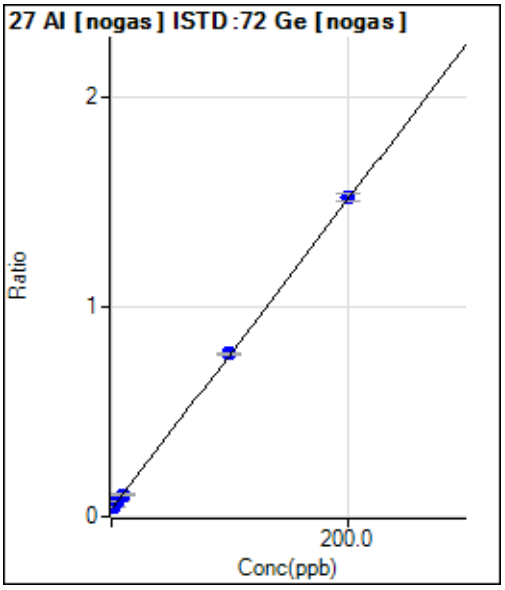
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1816.82	0.0028	P	5.1	
2	☐	200.000	197.077	202180.67	0.3097	P	1.9	-1.5
3	☐	500.000	472.763	481216.33	0.7389	P	1.8	-5.4
4	☐	1000.000	979.513	981400.51	1.5278	P	1.4	-2.0
5	☐	10000.00	10122.64	10100786.51	15.7622	A	0.4	1.2
6	☐	20000.00	19940.41	19477114.29	31.0469	A	0.7	-0.3
7	☐	100.000						

y = 0.0016 * x + 0.0028
R = 1.0000
DL = 0.28 ppb
BEC = 1.828 ppb

Weight: <None>
Min Conc: <None>

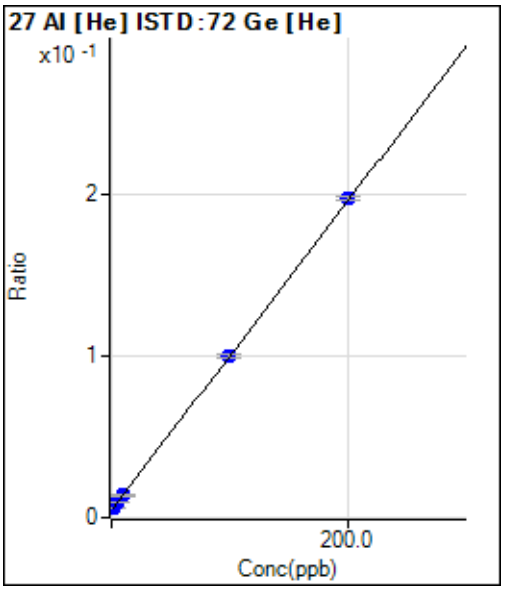


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	99389.58	0.0425	P	0.2	
2	☐	2.000	0.677	110431.41	0.0475	P	1.9	-66.2
3	☐	5.000	4.379	172767.82	0.0748	P	0.2	-12.4
4	☐	10.000	8.510	243272.32	0.1054	P	1.0	-14.9
5	☐	100.000	99.266	1799858.62	0.7757	P	0.6	-0.7
6	☐	200.000	200.470	3419934.32	1.5232	P	2.2	0.2
7	☐	1.000						

y = 0.0074 * x + 0.0425
R = 1.0000
DL = 0.02823 ppb
BEC = 5.753 ppb

Weight: <None>
Min Conc: <None>

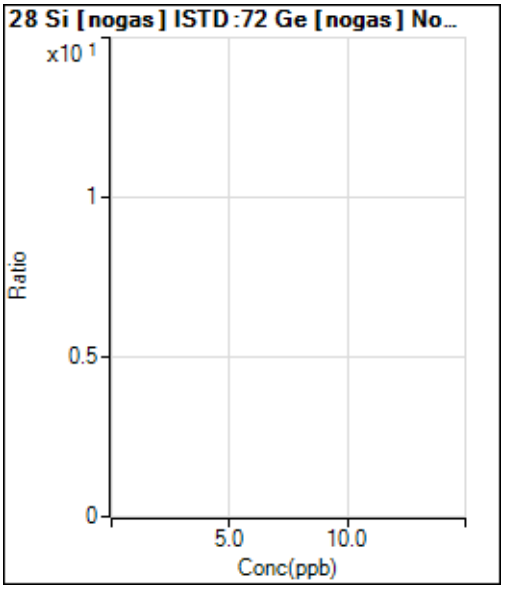
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3630.49	0.0057	P	9.1	
2	☐	2.000	0.546	4050.63	0.0062	P	0.5	-72.7
3	☐	5.000	4.337	6398.11	0.0098	P	1.1	-13.3
4	☐	10.000	8.559	8899.43	0.0139	P	4.6	-14.4
5	☐	100.000	98.686	64019.69	0.0999	P	2.0	-1.3
6	☐	200.000	200.760	123818.63	0.1974	P	1.7	0.4
7	☐	1.000						

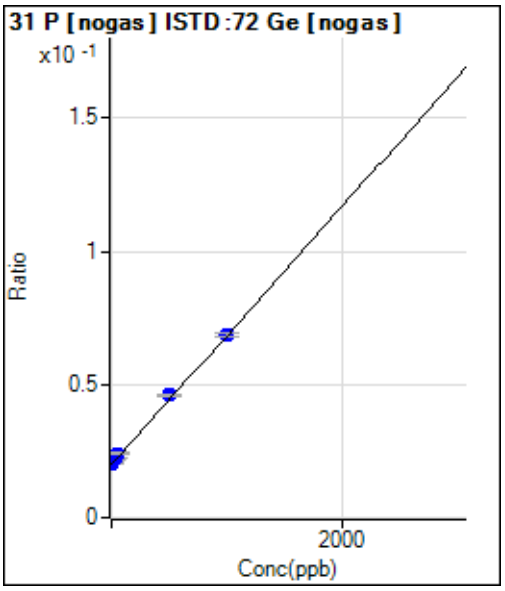
y = 9.5485E-004 * x + 0.0057
R = 1.0000
DL = 1.625 ppb
BEC = 5.951 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

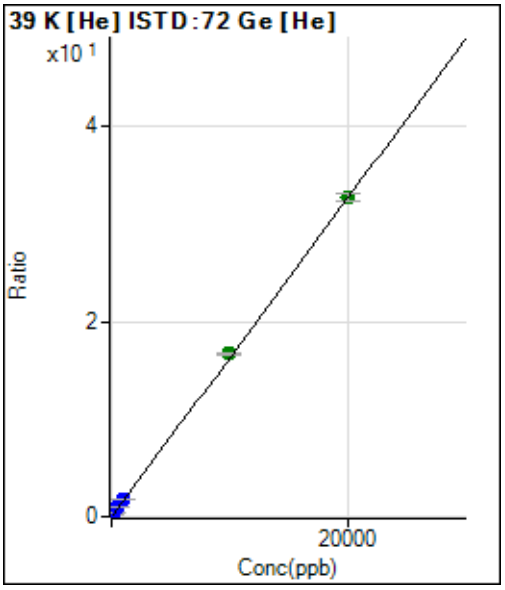
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	48092.50	0.0206	P	1.3	
2	☐	10.000	23.567	50487.90	0.0217	P	2.6	135.7
3	☐	25.000	40.230	51998.23	0.0225	P	1.3	60.9
4	☐	50.000	73.295	55734.50	0.0241	P	1.1	46.6
5	☐	500.000	523.343	106937.60	0.0461	P	1.7	4.7
6	☐	1000.000	986.647	154228.91	0.0687	P	1.8	-1.3
7	☐	5.000						

y = 4.8781E-005 * x + 0.0206
R = 0.9996
DL = 15.81 ppb
BEC = 421.5 ppb

Weight: <None>
Min Conc: <None>

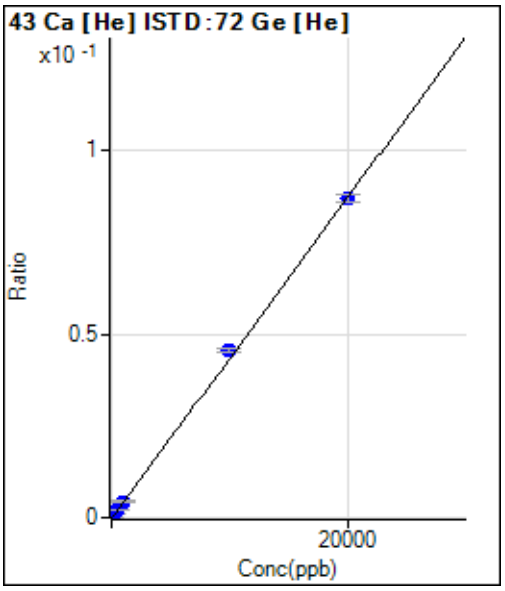


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	94313.24	0.1477	P	0.6	
2	☐	200.000	190.174	299340.94	0.4585	P	1.0	-4.9
3	☐	500.000	461.107	586971.53	0.9012	P	0.6	-7.8
4	☐	1000.000	943.226	1085073.66	1.6891	P	0.4	-5.7
5	☐	10000.00	10118.51	10690889.42	16.6840	A	1.2	1.2
6	☐	20000.00	19944.65	20539381.78	32.7425	A	2.7	-0.3
7	☐	100.000						

y = 0.0016 * x + 0.1477
R = 1.0000
DL = 1.568 ppb
BEC = 90.36 ppb

Weight: <None>
Min Conc: <None>

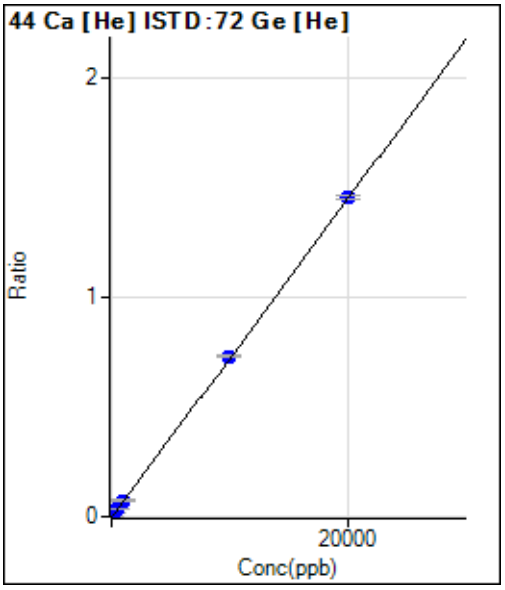
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.34	0.0002	P	65.4	
2	☐	200.000	208.798	703.36	0.0011	P	12.0	4.4
3	☐	500.000	447.446	1383.42	0.0021	P	21.8	-10.5
4	☐	1000.000	958.687	2803.66	0.0044	P	6.1	-4.1
5	☐	10000.00	10331.19	29128.31	0.0454	P	2.1	3.3
6	☐	20000.00	19837.69	54651.57	0.0871	P	2.2	-0.8
7	☐	100.000						

y = 4.3835E-006 * x + 1.6252E-004
R = 0.9998
DL = 72.79 ppb
BEC = 37.08 ppb

Weight: <None>
Min Conc: <None>

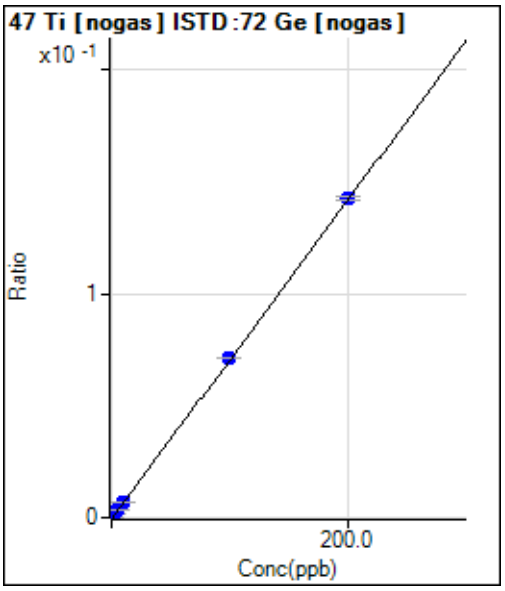


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1943.50	0.0030	P	6.9	
2	☐	200.000	201.031	11544.58	0.0177	P	4.3	0.5
3	☐	500.000	490.098	25224.58	0.0387	P	0.5	-2.0
4	☐	1000.000	982.751	47922.49	0.0746	P	0.7	-1.7
5	☐	10000.00	10013.79	469187.92	0.7322	P	1.4	0.1
6	☐	20000.00	19994.20	915174.31	1.4589	P	1.6	0.0
7	☐	100.000						

y = 7.2812E-005 * x + 0.0030
R = 1.0000
DL = 8.651 ppb
BEC = 41.82 ppb

Weight: <None>
Min Conc: <None>

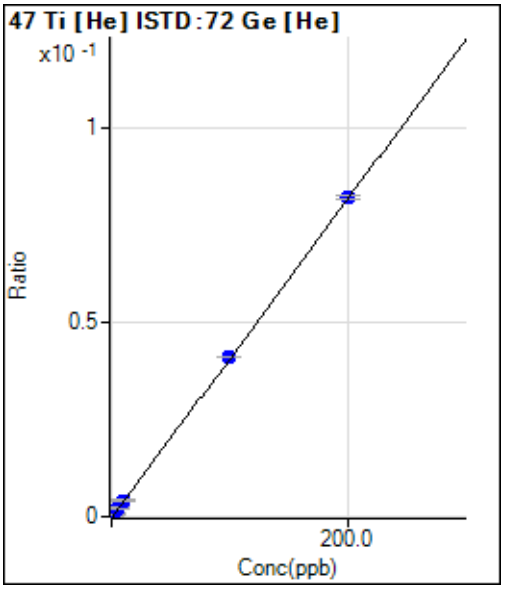
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	196.67	0.0001	P	30.1	
2	☐	2.000	1.901	3343.76	0.0014	P	6.2	-5.0
3	☐	5.000	4.695	7912.21	0.0034	P	7.8	-6.1
4	☐	10.000	9.705	16162.22	0.0070	P	4.0	-2.9
5	☐	100.000	99.679	164951.77	0.0711	P	0.2	-0.3
6	☐	200.000	200.184	320357.84	0.1427	P	1.4	0.1
7	☐	1.000						

y = 7.1234E-004 * x + 8.4155E-005
R = 1.0000
DL = 0.1067 ppb
BEC = 0.1181 ppb

Weight: <None>
Min Conc: <None>

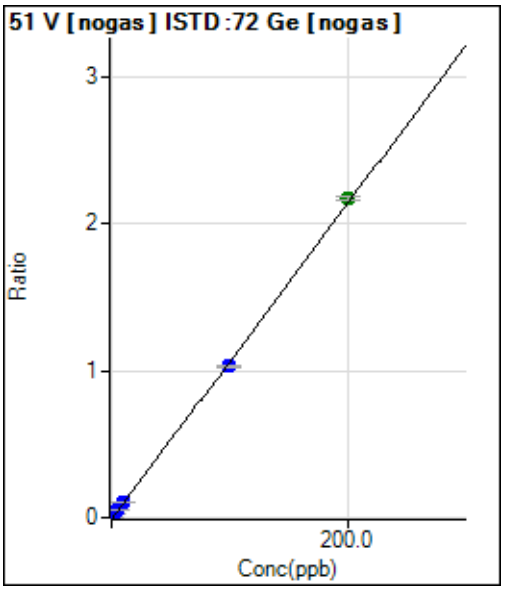


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	49.0	
2	☐	2.000	1.804	506.68	0.0008	P	24.1	-9.8
3	☐	5.000	4.925	1340.09	0.0021	P	19.5	-1.5
4	☐	10.000	9.724	2586.94	0.0040	P	9.8	-2.8
5	☐	100.000	99.802	26269.81	0.0410	P	0.5	-0.2
6	☐	200.000	200.117	51541.09	0.0822	P	1.8	0.1
7	☐	1.000						

y = 4.1037E-004 * x + 3.6428E-005
R = 1.0000
DL = 0.1305 ppb
BEC = 0.08877 ppb

Weight: <None>
Min Conc: <None>

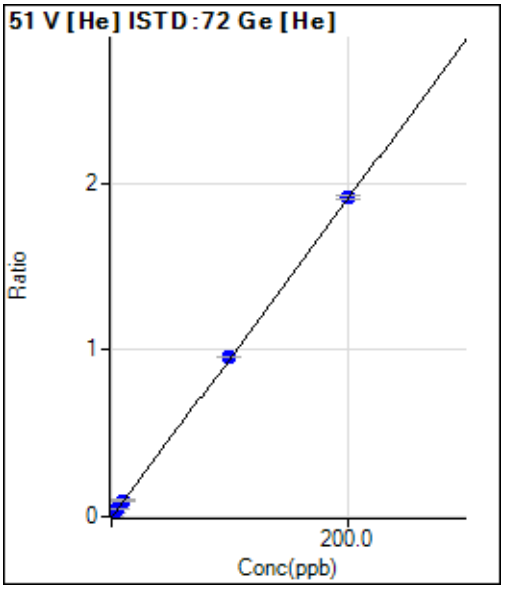
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-262.72	-0.0001	P	-1838.	
2	☐	2.000	1.902	47343.45	0.0204	P	3.8	-4.9
3	☐	5.000	4.690	116332.06	0.0504	P	3.0	-6.2
4	☐	10.000	9.461	235018.45	0.1018	P	1.6	-5.4
5	☐	100.000	95.729	2391572.87	1.0307	P	0.3	-4.3
6	☐	200.000	202.171	4887771.28	2.1769	A	1.0	1.1
7	☐	1.000						

y = 0.0108 * x - 1.1627E-004
R = 0.9997
DL = 0.5954 ppb
BEC = -0.0108 ppb

Weight: <None>
Min Conc: <None>

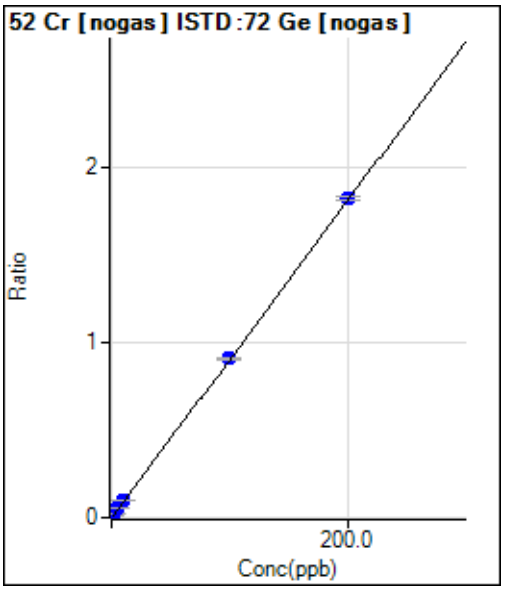


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2707.06	0.0042	P	18.1	
2	☐	2.000	1.894	14570.39	0.0223	P	3.1	-5.3
3	☐	5.000	4.526	30895.81	0.0474	P	4.7	-9.5
4	☐	10.000	9.677	62058.25	0.0966	P	4.2	-3.2
5	☐	100.000	99.827	613389.36	0.9572	P	0.4	-0.2
6	☐	200.000	200.116	1201088.46	1.9145	P	0.7	0.1
7	☐	1.000						

y = 0.0095 * x + 0.0042
R = 1.0000
DL = 0.2411 ppb
BEC = 0.4437 ppb

Weight: <None>
Min Conc: <None>

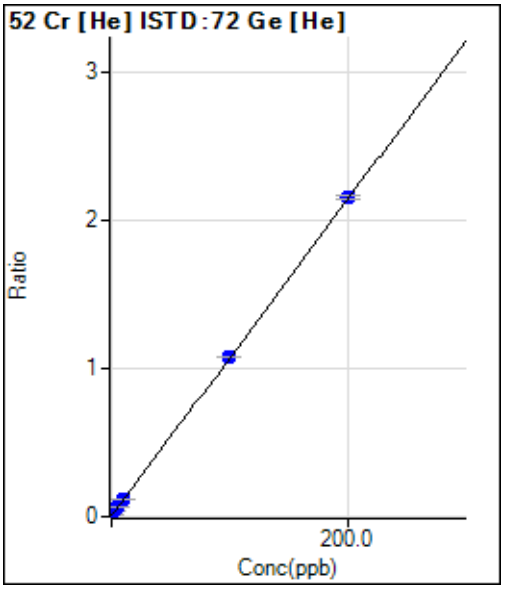
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15655.08	0.0067	P	0.6	
2	☐	2.000	1.892	55461.93	0.0239	P	1.4	-5.4
3	☐	5.000	4.787	115666.46	0.0501	P	1.3	-4.3
4	☐	10.000	9.775	220140.75	0.0953	P	0.1	-2.3
5	☐	100.000	99.356	2106071.53	0.9077	P	0.5	-0.6
6	☐	200.000	200.340	4094238.17	1.8234	P	1.3	0.2
7	☐	1.000						

y = 0.0091 * x + 0.0067
R = 1.0000
DL = 0.01251 ppb
BEC = 0.7381 ppb

Weight: <None>
Min Conc: <None>

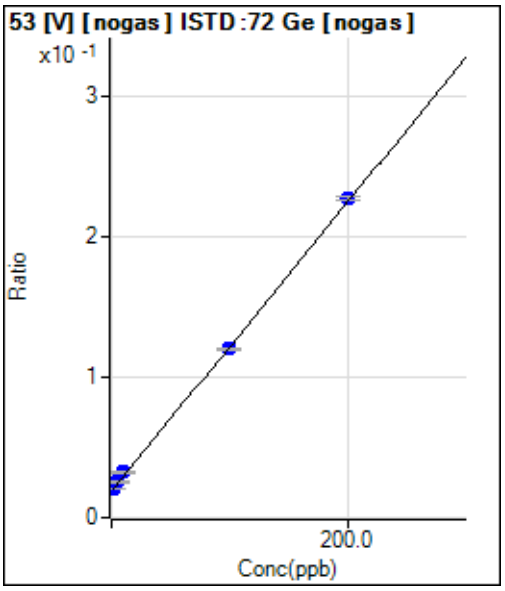


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10073.56	0.0158	P	3.5	
2	☐	2.000	1.747	22503.68	0.0345	P	2.4	-12.6
3	☐	5.000	4.717	43135.28	0.0662	P	1.6	-5.7
4	☐	10.000	9.873	77974.15	0.1214	P	1.3	-1.3
5	☐	100.000	99.718	693663.76	1.0824	P	0.4	-0.3
6	☐	200.000	200.157	1353114.56	2.1568	P	0.7	0.1
7	☐	1.000						

y = 0.0107 * x + 0.0158
R = 1.0000
DL = 0.1548 ppb
BEC = 1.475 ppb

Weight: <None>
Min Conc: <None>

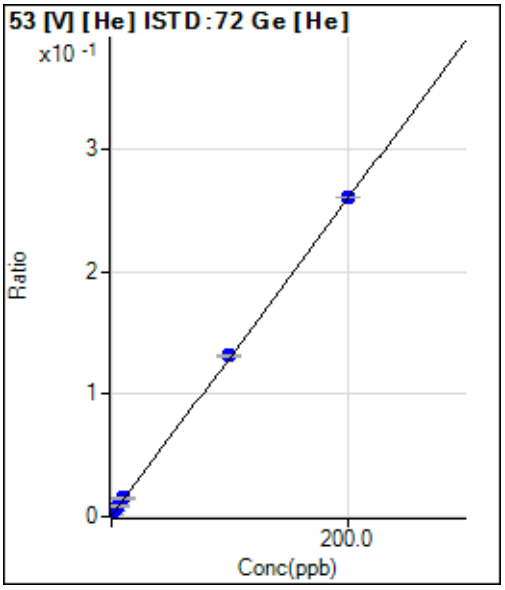
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	47140.51	0.0202	P	2.2	
2	☐	2.000	0.750	48668.74	0.0209	P	1.1	-62.5
3	☐	5.000	5.128	58714.00	0.0254	P	2.1	2.6
4	☐	10.000	12.013	75093.09	0.0325	P	3.7	20.1
5	☐	100.000	97.032	278562.49	0.1201	P	0.7	-3.0
6	☐	200.000	201.393	510852.83	0.2275	P	1.6	0.7
7	☐	1.000						

y = 0.0010 * x + 0.0202
R = 0.9998
DL = 1.308 ppb
BEC = 19.58 ppb

Weight: <None>
Min Conc: <None>

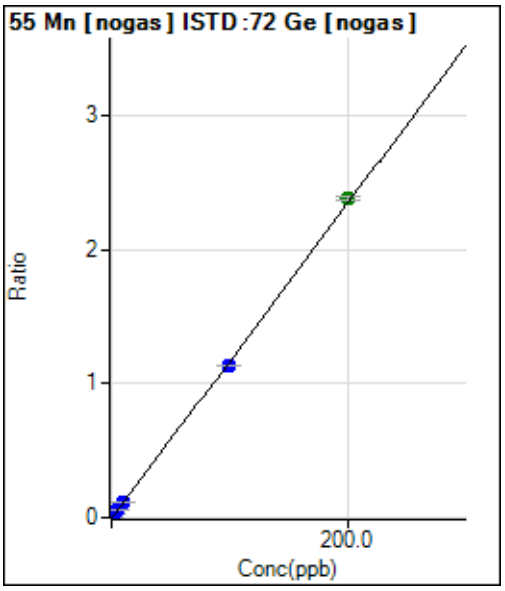


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1253.42	0.0020	P	12.2	
2	☐	2.000	1.723	2740.31	0.0042	P	4.3	-13.8
3	☐	5.000	5.143	5617.83	0.0086	P	5.7	2.9
4	☐	10.000	10.202	9749.98	0.0152	P	6.9	2.0
5	☐	100.000	100.170	84398.48	0.1317	P	0.8	0.2
6	☐	200.000	199.904	163669.30	0.2609	P	0.6	0.0
7	☐	1.000						

y = 0.0013 * x + 0.0020
R = 1.0000
DL = 0.5564 ppb
BEC = 1.516 ppb

Weight: <None>
Min Conc: <None>

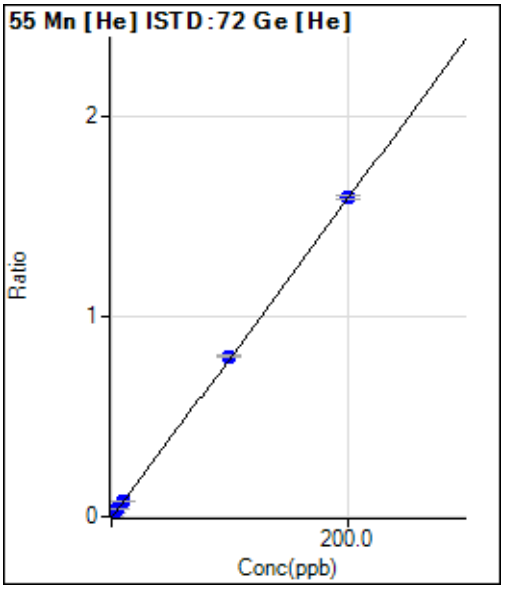
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11671.36	0.0050	P	3.7	
2	☐	2.000	1.884	63165.75	0.0272	P	3.6	-5.8
3	☐	5.000	4.753	140640.94	0.0609	P	0.7	-4.9
4	☐	10.000	9.529	270450.46	0.1171	P	0.7	-4.7
5	☐	100.000	95.954	2631538.61	1.1341	P	0.1	-4.0
6	☐	200.000	202.054	5350073.46	2.3827	A	0.7	1.0
7	☐	1.000						

y = 0.0118 * x + 0.0050
R = 0.9997
DL = 0.04653 ppb
BEC = 0.4241 ppb

Weight: <None>
Min Conc: <None>

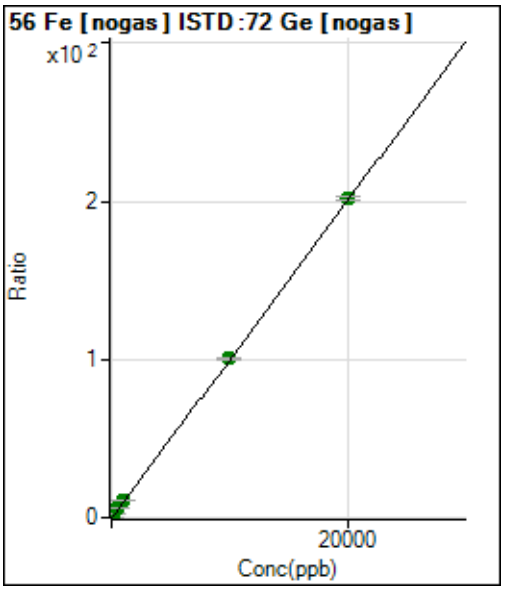


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1150.07	0.0018	P	8.7	
2	☐	2.000	1.813	10640.59	0.0163	P	3.5	-9.4
3	☐	5.000	4.727	25788.99	0.0396	P	1.9	-5.5
4	☐	10.000	9.921	52113.44	0.0811	P	1.5	-0.8
5	☐	100.000	100.307	515159.21	0.8039	P	0.3	0.3
6	☐	200.000	199.859	1003701.78	1.5999	P	1.2	-0.1
7	☐	1.000						

y = 0.0080 * x + 0.0018
R = 1.0000
DL = 0.05888 ppb
BEC = 0.225 ppb

Weight: <None>
Min Conc: <None>

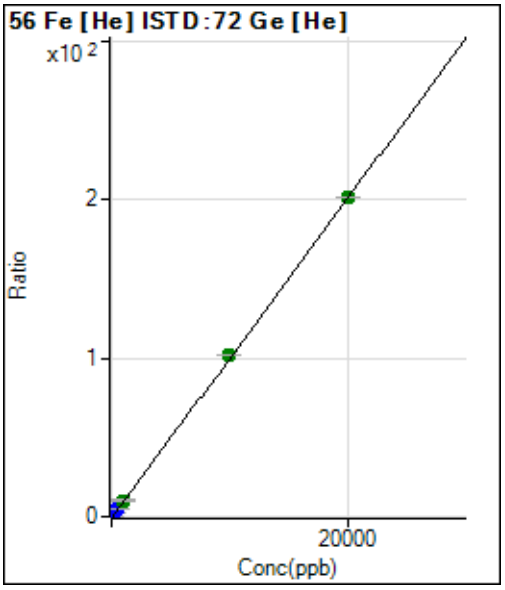
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1136036.49	0.4857	P	1.0	
2	☐	200.000	209.785	6035244.49	2.5953	A	0.4	4.9
3	☐	500.000	507.980	12913988.14	5.5940	A	0.4	1.6
4	☐	1000.000	1013.217	24648868.80	10.6746	A	0.6	1.3
5	☐	10000.00	9941.069	233071916.5	100.452	A	0.7	-0.6
6	☐	20000.00	20028.50	453320513.2	201.891	A	1.0	0.1
7	☐	100.000						

y = 0.0101 * x + 0.4857
R = 1.0000
DL = 1.4 ppb
BEC = 48.3 ppb

Weight: <None>
Min Conc: <None>

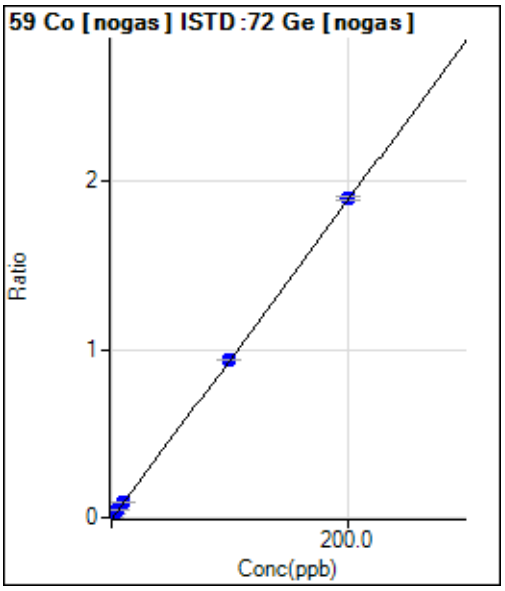


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	21745.97	0.0340	P	1.9	
2	☐	200.000	186.503	1251552.04	1.9169	P	1.3	-6.7
3	☐	500.000	452.821	2999582.77	4.6056	P	0.6	-9.4
4	☐	1000.000	1016.570	6614454.07	10.2970	A	0.9	1.7
5	☐	10000.00	10097.21	65348780.69	101.971	A	0.7	1.0
6	☐	20000.00	19951.87	126386998.1	201.460	A	0.3	-0.2
7	☐	100.000						

y = 0.0101 * x + 0.0340
R = 1.0000
DL = 0.1911 ppb
BEC = 3.372 ppb

Weight: <None>
Min Conc: <None>

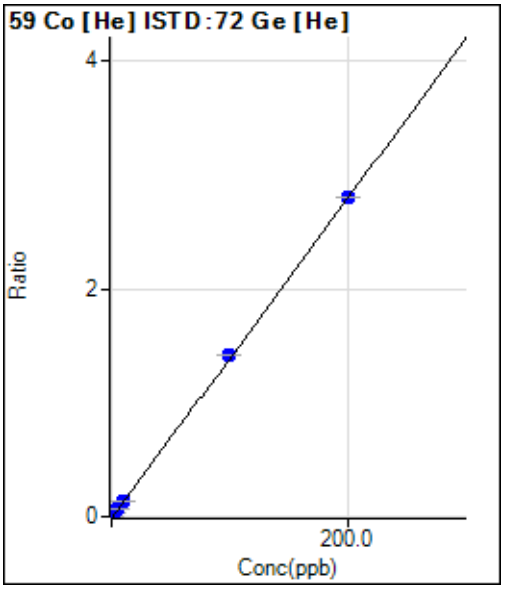
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	263.34	0.0001	P	53.5	
2	☐	2.000	1.986	44014.80	0.0189	P	0.7	-0.7
3	☐	5.000	4.875	106888.05	0.0463	P	1.0	-2.5
4	☐	10.000	9.931	217545.83	0.0942	P	1.7	-0.7
5	☐	100.000	99.372	2184979.24	0.9417	P	0.2	-0.6
6	☐	200.000	200.321	4261998.58	1.8982	P	1.5	0.2
7	☐	1.000						

y = 0.0095 * x + 1.1272E-004
R = 1.0000
DL = 0.01909 ppb
BEC = 0.0119 ppb

Weight: <None>
Min Conc: <None>

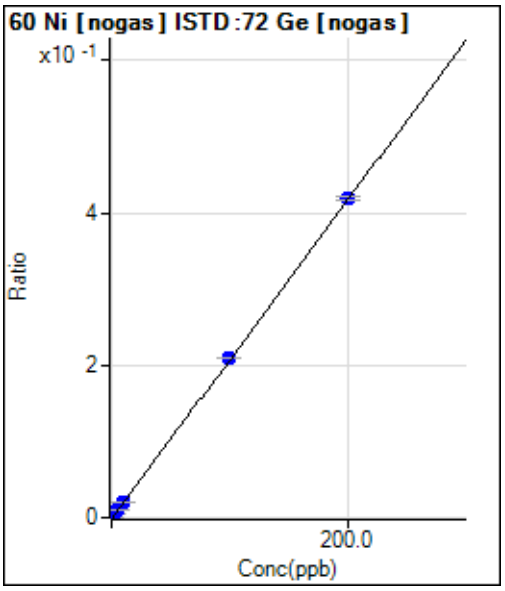


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	70.00	0.0001	P	14.2	
2	☐	2.000	2.008	18498.27	0.0283	P	1.3	0.4
3	☐	5.000	4.838	44352.18	0.0681	P	1.1	-3.2
4	☐	10.000	9.822	88727.47	0.1381	P	0.8	-1.8
5	☐	100.000	100.850	908227.51	1.4173	P	0.2	0.9
6	☐	200.000	199.588	1759577.47	2.8048	P	0.3	-0.2
7	☐	1.000						

y = 0.0141 * x + 1.0959E-004
R = 1.0000
DL = 0.003316 ppb
BEC = 0.007799 ppb

Weight: <None>
Min Conc: <None>

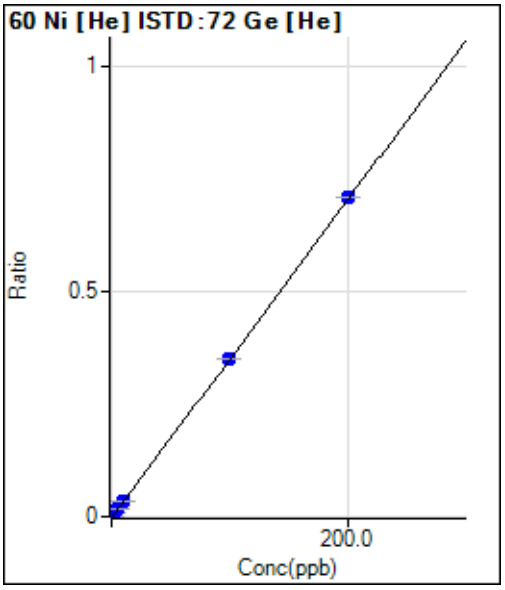
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	566.68	0.0002	P	15.0	
2	☐	2.000	2.048	10540.52	0.0045	P	2.5	2.4
3	☐	5.000	4.946	24483.61	0.0106	P	1.7	-1.1
4	☐	10.000	9.860	48264.16	0.0209	P	2.5	-1.4
5	☐	100.000	99.974	486625.40	0.2097	P	0.6	0.0
6	☐	200.000	200.021	941589.83	0.4193	P	1.7	0.0
7	☐	1.000						

y = 0.0021 * x + 2.4227E-004
R = 1.0000
DL = 0.05194 ppb
BEC = 0.1156 ppb

Weight: <None>
Min Conc: <None>

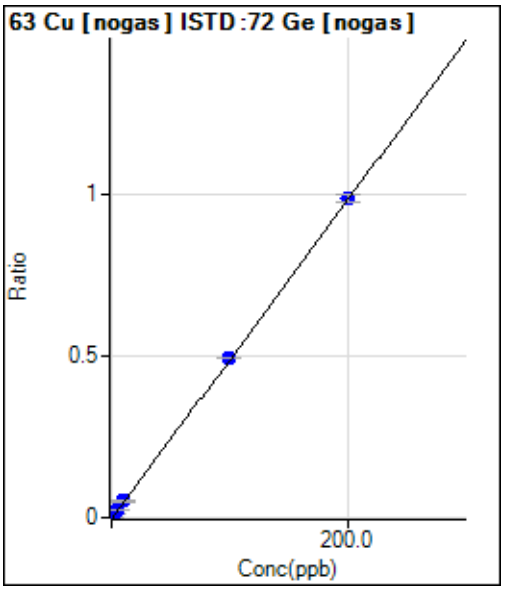


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	263.34	0.0004	P	2.9	
2	☐	2.000	2.045	4997.58	0.0077	P	6.9	2.3
3	☐	5.000	4.793	11321.14	0.0174	P	2.0	-4.1
4	☐	10.000	9.918	22824.36	0.0355	P	2.7	-0.8
5	☐	100.000	98.882	224629.84	0.3505	P	0.4	-1.1
6	☐	200.000	200.568	445770.55	0.7106	P	0.6	0.3
7	☐	1.000						

y = 0.0035 * x + 4.1242E-004
R = 1.0000
DL = 0.01023 ppb
BEC = 0.1165 ppb

Weight: <None>
Min Conc: <None>

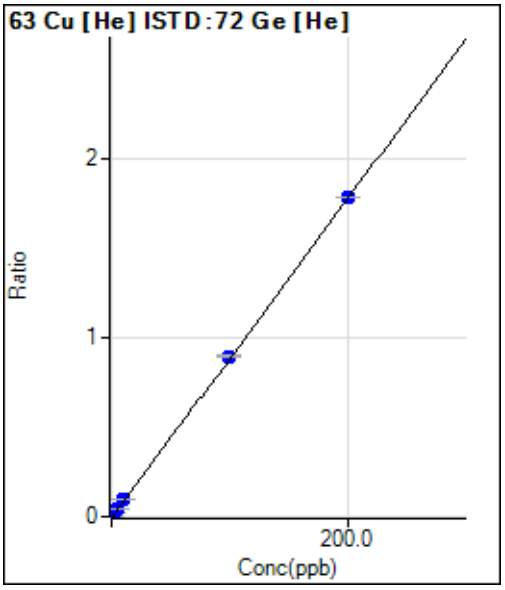
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1193.41	0.0005	P	13.4	
2	☐	2.000	2.037	24567.18	0.0106	P	2.7	1.9
3	☐	5.000	4.976	57861.78	0.0251	P	1.4	-0.5
4	☐	10.000	10.157	116916.18	0.0506	P	2.0	1.6
5	☐	100.000	99.974	1145900.66	0.4939	P	0.1	0.0
6	☐	200.000	200.005	2217216.74	0.9875	P	2.1	0.0
7	☐	1.000						

y = 0.0049 * x + 5.1036E-004
R = 1.0000
DL = 0.04145 ppb
BEC = 0.1034 ppb

Weight: <None>
Min Conc: <None>

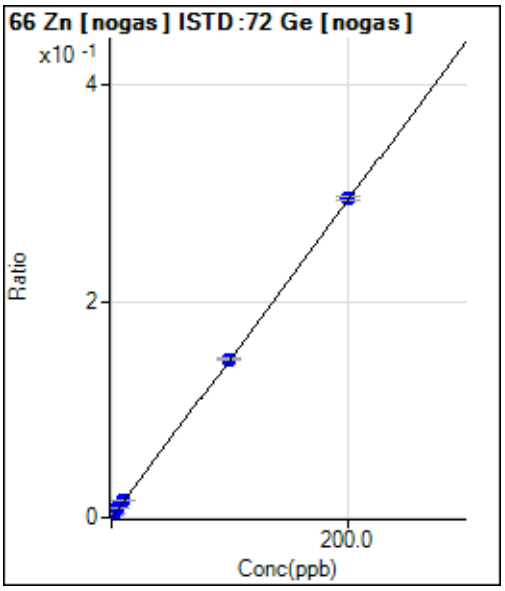


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	596.69	0.0009	P	10.7	
2	☐	2.000	1.991	12225.18	0.0187	P	2.0	-0.5
3	☐	5.000	5.007	29753.16	0.0457	P	0.9	0.1
4	☐	10.000	10.218	59267.36	0.0923	P	0.7	2.2
5	☐	100.000	100.390	575561.71	0.8982	P	0.7	0.4
6	☐	200.000	199.794	1120828.66	1.7866	P	0.4	-0.1
7	☐	1.000						

y = 0.0089 * x + 9.3340E-004
R = 1.0000
DL = 0.03358 ppb
BEC = 0.1044 ppb

Weight: <None>
Min Conc: <None>

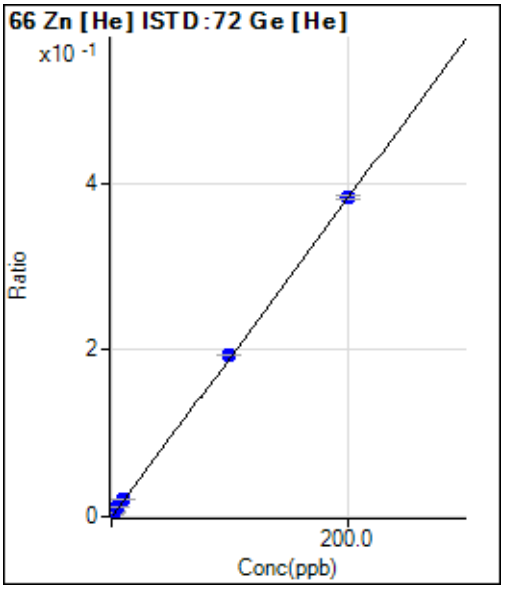
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2653.61	0.0011	P	7.8	
2	☐	2.000	1.900	9122.92	0.0039	P	3.4	-5.0
3	☐	5.000	5.134	20017.00	0.0087	P	4.0	2.7
4	☐	10.000	9.762	35712.97	0.0155	P	3.2	-2.4
5	☐	100.000	99.061	340039.35	0.1465	P	0.8	-0.9
6	☐	200.000	200.479	663312.01	0.2954	P	1.3	0.2
7	☐	1.000						

y = 0.0015 * x + 0.0011
R = 1.0000
DL = 0.1813 ppb
BEC = 0.7728 ppb

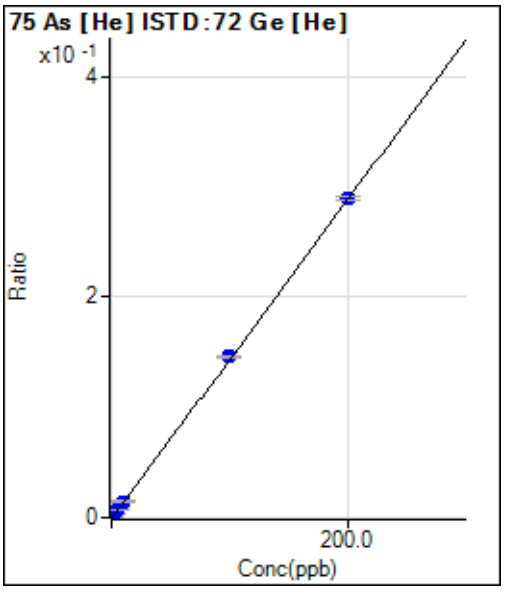
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	830.04	0.0013	P	2.5	
2	☐	2.000	2.297	3720.54	0.0057	P	10.4	14.9
3	☐	5.000	5.348	7512.04	0.0115	P	3.1	7.0
4	☐	10.000	9.958	13075.92	0.0204	P	1.7	-0.4
5	☐	100.000	100.785	124423.61	0.1942	P	0.6	0.8
6	☐	200.000	199.598	240419.42	0.3832	P	0.9	-0.2
7	☐	1.000						

y = 0.0019 * x + 0.0013
R = 1.0000
DL = 0.05152 ppb
BEC = 0.6792 ppb

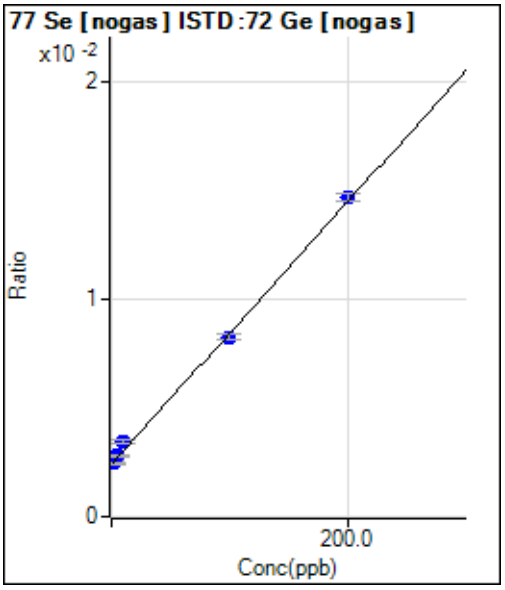
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	197.78	0.0003	P	12.2	
2	☐	2.000	1.997	2090.16	0.0032	P	5.0	-0.2
3	☐	5.000	4.824	4753.00	0.0073	P	2.6	-3.5
4	☐	10.000	9.931	9439.70	0.0147	P	3.7	-0.7
5	☐	100.000	100.510	93501.40	0.1459	P	0.5	0.5
6	☐	200.000	199.753	181729.50	0.2897	P	0.8	-0.1
7	☐	1.000						

y = 0.0014 * x + 3.0936E-004
R = 1.0000
DL = 0.07848 ppb
BEC = 0.2136 ppb

Weight: <None>
Min Conc: <None>

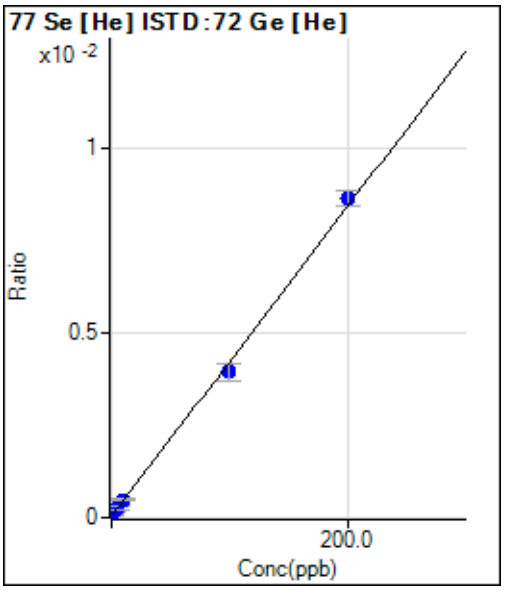


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5841.26	0.0025	P	7.1	
2	☐	2.000	-0.859	5687.85	0.0024	P	2.5	-143.
3	☐	5.000	5.214	6491.52	0.0028	P	2.4	4.3
4	☐	10.000	15.835	7972.28	0.0035	P	4.4	58.3
5	☐	100.000	95.175	19105.87	0.0082	P	3.3	-4.8
6	☐	200.000	202.144	32976.99	0.0147	P	2.7	1.1
7	☐	1.000						

y = 6.0287E-005 * x + 0.0025
R = 0.9990
DL = 8.768 ppb
BEC = 41.43 ppb

Weight: <None>
Min Conc: <None>

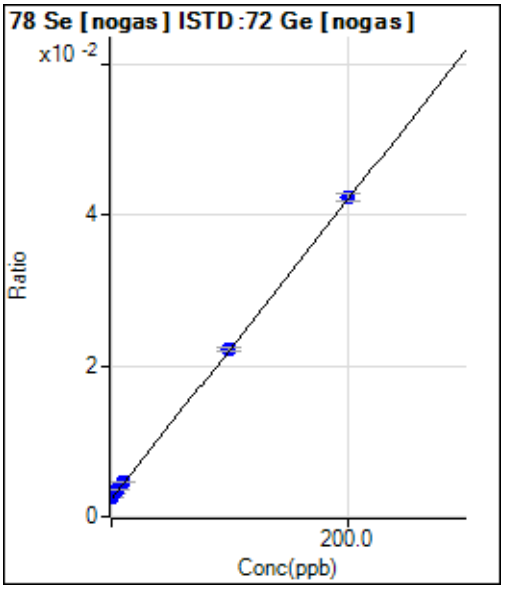
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0001	P	29.4	
2	☐	2.000	1.777	103.33	0.0002	P	24.2	-11.1
3	☐	5.000	4.472	176.67	0.0003	P	40.2	-10.6
4	☐	10.000	9.755	316.68	0.0005	P	20.1	-2.5
5	☐	100.000	91.988	2526.93	0.0039	P	12.0	-8.0
6	☐	200.000	204.033	5421.11	0.0086	P	5.4	2.0
7	☐	1.000						

y = 4.1950E-005 * x + 8.3652E-005
R = 0.9989
DL = 1.756 ppb
BEC = 1.994 ppb

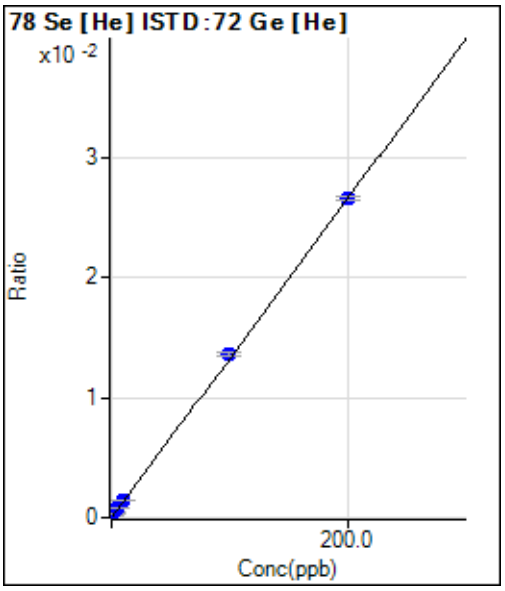
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6027.98	0.0026	P	3.5	
2	☐	2.000	2.036	6931.75	0.0030	P	0.6	1.8
3	☐	5.000	4.587	8049.01	0.0035	P	2.2	-8.3
4	☐	10.000	10.169	10603.97	0.0046	P	0.9	1.7
5	☐	100.000	98.971	51472.87	0.0222	P	2.0	-1.0
6	☐	200.000	200.516	94965.94	0.0423	P	2.3	0.3
7	☐	1.000						

y = 1.9809E-004 * x + 0.0026
R = 1.0000
DL = 1.381 ppb
BEC = 13.01 ppb

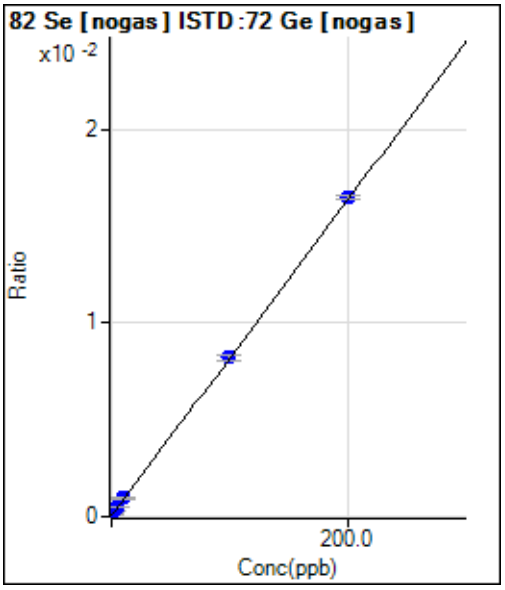
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	78.67	0.0001	P	11.3	
2	☐	2.000	2.102	263.33	0.0004	P	15.5	5.1
3	☐	5.000	4.859	502.01	0.0008	P	3.6	-2.8
4	☐	10.000	9.752	914.03	0.0014	P	2.6	-2.5
5	☐	100.000	101.881	8777.94	0.0137	P	2.5	1.9
6	☐	200.000	199.074	16720.08	0.0267	P	1.3	-0.5
7	☐	1.000						

y = 1.3326E-004 * x + 1.2327E-004
R = 0.9999
DL = 0.3134 ppb
BEC = 0.925 ppb

Weight: <None>
Min Conc: <None>

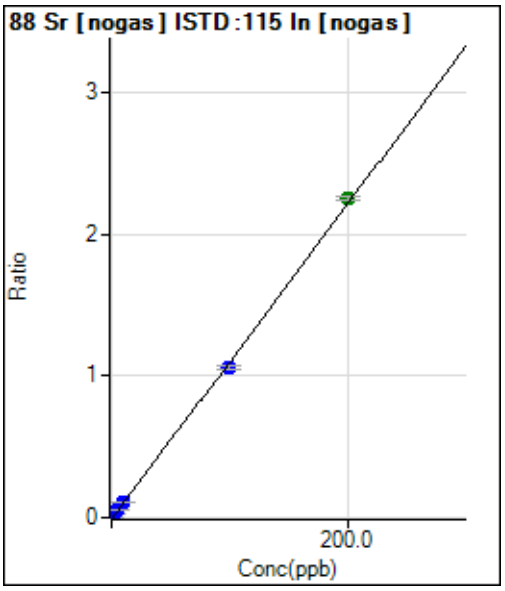


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	320.01	0.0001	P	18.6	
2	☐	2.000	2.139	723.37	0.0003	P	4.0	6.9
3	☐	5.000	4.507	1163.41	0.0005	P	12.4	-9.9
4	☐	10.000	9.985	2196.87	0.0010	P	14.7	-0.1
5	☐	100.000	98.896	19025.81	0.0082	P	2.7	-1.1
6	☐	200.000	200.564	37020.01	0.0165	P	1.4	0.3
7	☐	1.000						

y = 8.1523E-005 * x + 1.3675E-004
R = 1.0000
DL = 0.9349 ppb
BEC = 1.677 ppb

Weight: <None>
Min Conc: <None>

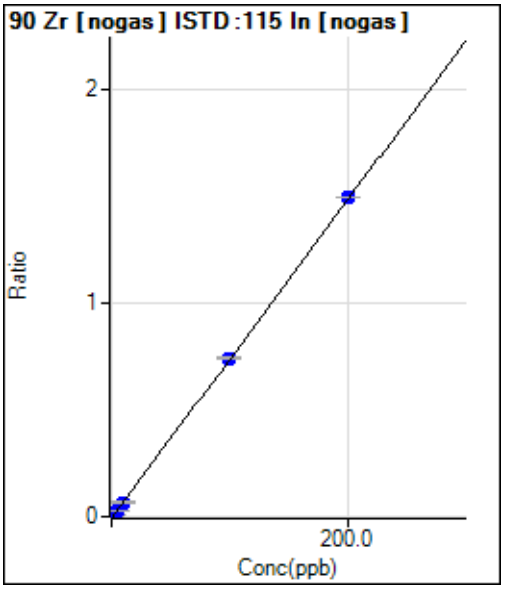
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1553.44	0.0006	P	5.5	
2	☐	2.000	1.851	52925.27	0.0212	P	2.7	-7.4
3	☐	5.000	4.434	124247.13	0.0499	P	0.6	-11.3
4	☐	10.000	9.144	254353.04	0.1023	P	0.9	-8.6
5	☐	100.000	95.120	2602343.81	1.0579	P	1.8	-4.9
6	☐	200.000	202.499	5372346.59	2.2515	A	1.4	1.2
7	☐	1.000						

y = 0.0111 * x + 6.2291E-004
R = 0.9996
DL = 0.009253 ppb
BEC = 0.05604 ppb

Weight: <None>
Min Conc: <None>

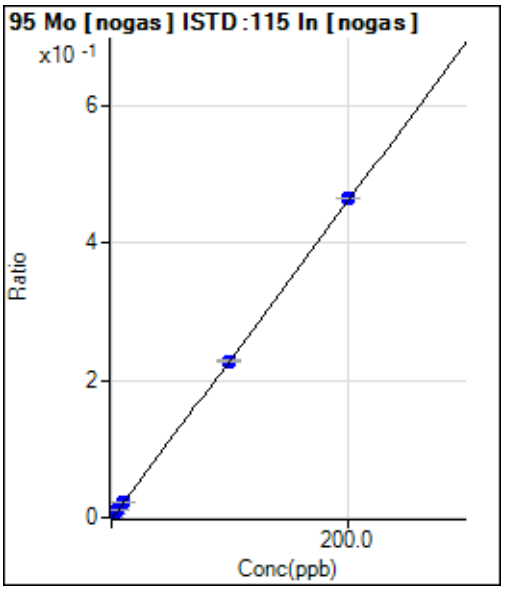


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1246.74	0.0005	P	13.5	
2	☐	2.000	1.418	27646.22	0.0111	P	0.6	-29.1
3	☐	5.000	3.953	74655.41	0.0300	P	0.1	-20.9
4	☐	10.000	8.976	167800.78	0.0675	P	0.9	-10.2
5	☐	100.000	99.111	1819960.23	0.7398	P	1.2	-0.9
6	☐	200.000	200.528	3570335.57	1.4964	P	0.5	0.3
7	☐	1.000						

y = 0.0075 * x + 4.9970E-004
R = 1.0000
DL = 0.02711 ppb
BEC = 0.06699 ppb

Weight: <None>
Min Conc: <None>

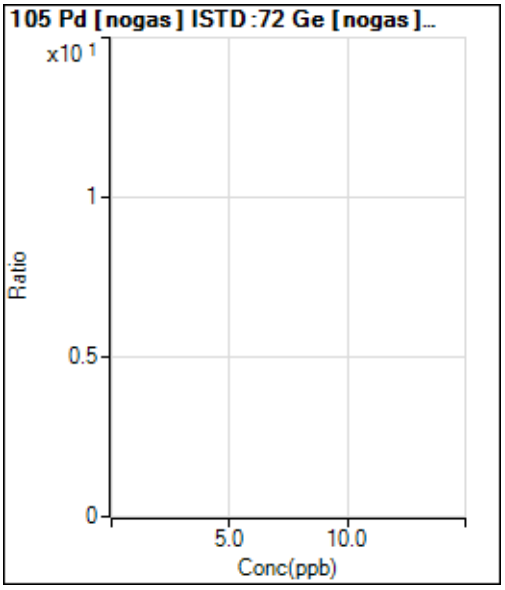
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	203.34	0.0001	P	15.3	
2	☐	2.000	1.906	11197.81	0.0045	P	4.8	-4.7
3	☐	5.000	4.548	26360.74	0.0106	P	4.2	-9.0
4	☐	10.000	9.429	54407.93	0.0219	P	4.1	-5.7
5	☐	100.000	98.169	558334.98	0.2270	P	1.2	-1.8
6	☐	200.000	200.956	1108328.21	0.4645	P	0.4	0.5
7	☐	1.000						

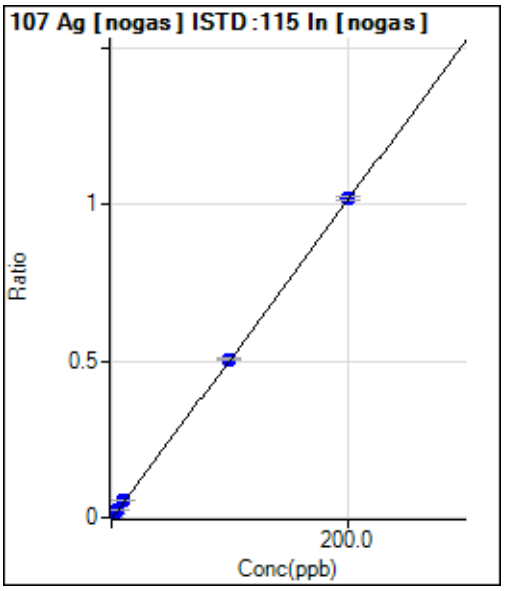
y = 0.0023 * x + 8.1548E-005
R = 0.9999
DL = 0.01618 ppb
BEC = 0.03529 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

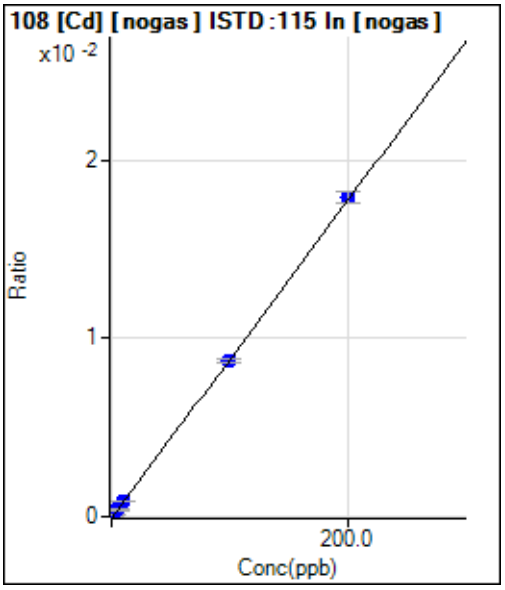
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83.33	0.0000	P	38.5	
2	☐	2.000	2.220	28291.09	0.0113	P	2.8	11.0
3	☐	5.000	5.339	67741.07	0.0272	P	1.4	6.8
4	☐	10.000	11.150	141264.26	0.0568	P	0.7	11.5
5	☐	100.000	99.463	1245529.41	0.5064	P	1.3	-0.5
6	☐	200.000	200.200	2431924.29	1.0192	P	0.8	0.1
7	☐	1.000						

y = 0.0051 * x + 3.3410E-005
R = 1.0000
DL = 0.007582 ppb
BEC = 0.006563 ppb

Weight: <None>
Min Conc: <None>

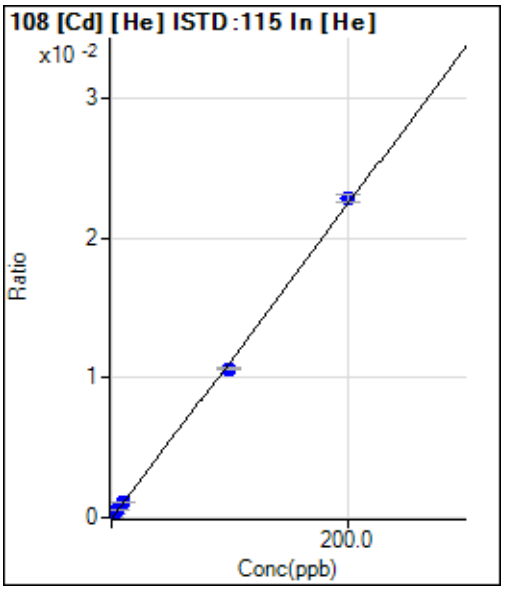


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.33	0.0000	P	86.6	
2	☐	2.000	1.588	366.68	0.0001	P	10.8	-20.6
3	☐	5.000	4.265	960.05	0.0004	P	14.3	-14.7
4	☐	10.000	9.655	2153.54	0.0009	P	3.0	-3.5
5	☐	100.000	98.185	21539.61	0.0088	P	2.7	-1.8
6	☐	200.000	200.947	42760.10	0.0179	P	3.8	0.5
7	☐	1.000						

y = 8.9136E-005 * x + 5.3287E-006
R = 0.9999
DL = 0.1553 ppb
BEC = 0.05978 ppb

Weight: <None>
Min Conc: <None>

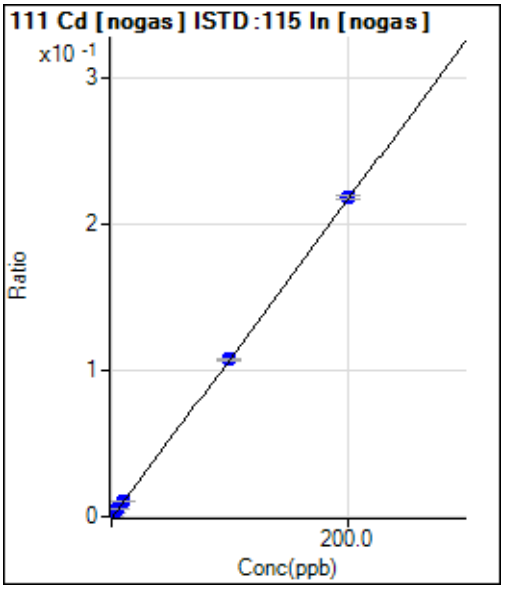
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.33	0.0000	P	42.9	
2	☐	2.000	2.358	260.01	0.0003	P	7.5	17.9
3	☐	5.000	4.901	526.69	0.0006	P	14.8	-2.0
4	☐	10.000	9.891	1043.39	0.0011	P	5.3	-1.1
5	☐	100.000	94.556	9760.11	0.0107	P	2.3	-5.4
6	☐	200.000	202.727	20217.62	0.0229	P	2.5	1.4
7	☐	1.000						

y = 1.1277E-004 * x + 1.4510E-005
R = 0.9995
DL = 0.1657 ppb
BEC = 0.1287 ppb

Weight: <None>
Min Conc: <None>

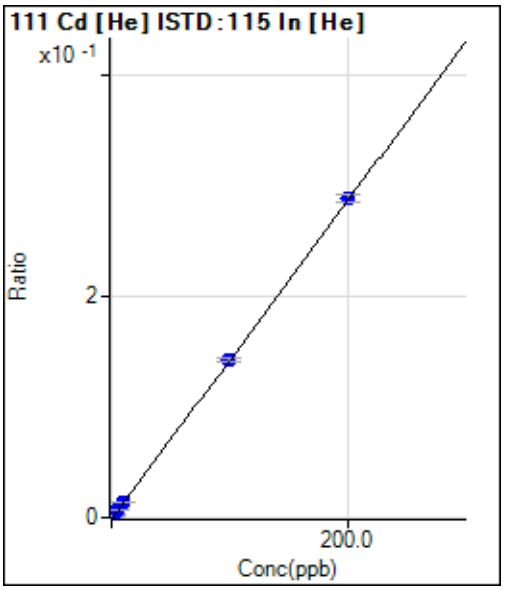


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-4.31	0.0000	P	-291.1	
2	☐	2.000	2.072	5637.92	0.0023	P	7.0	3.6
3	☐	5.000	4.593	12466.43	0.0050	P	1.9	-8.1
4	☐	10.000	9.587	26003.90	0.0105	P	3.2	-4.1
5	☐	100.000	98.957	265466.22	0.1079	P	1.0	-1.0
6	☐	200.000	200.551	521898.70	0.2187	P	1.4	0.3
7	☐	1.000						

y = 0.0011 * x - 1.7085E-006
R = 1.0000
DL = 0.01368 ppb
BEC = -0.001567 ppb

Weight: <None>
Min Conc: <None>

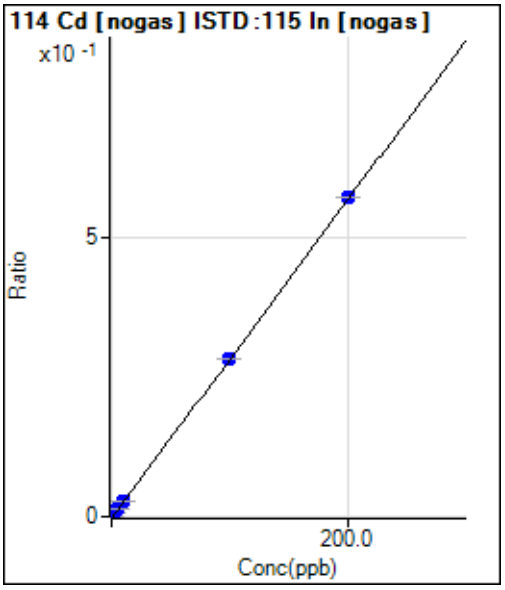
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-14.31	0.0000	P	-42.9	
2	☐	2.000	1.945	2574.67	0.0028	P	14.9	-2.8
3	☐	5.000	4.662	6209.88	0.0067	P	4.4	-6.8
4	☐	10.000	9.609	12737.31	0.0138	P	3.3	-3.9
5	☐	100.000	99.079	130143.27	0.1424	P	2.4	-0.9
6	☐	200.000	200.489	254616.08	0.2881	P	2.3	0.2
7	☐	1.000						

y = 0.0014 * x - 1.5569E-005
R = 1.0000
DL = 0.01395 ppb
BEC = -0.01083 ppb

Weight: <None>
Min Conc: <None>

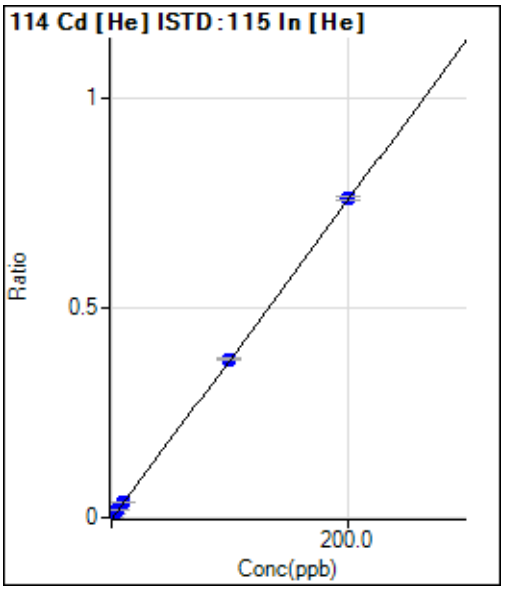


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0000	P	43.9	
2	☐	2.000	1.920	13740.08	0.0055	P	6.0	-4.0
3	☐	5.000	4.578	32587.07	0.0131	P	2.0	-8.4
4	☐	10.000	9.489	67423.25	0.0271	P	0.5	-5.1
5	☐	100.000	98.907	694578.11	0.2823	P	0.1	-1.1
6	☐	200.000	200.583	1366204.88	0.5726	P	0.6	0.3
7	☐	1.000						

y = 0.0029 * x + 2.1416E-005
R = 1.0000
DL = 0.009885 ppb
BEC = 0.007503 ppb

Weight: <None>
Min Conc: <None>

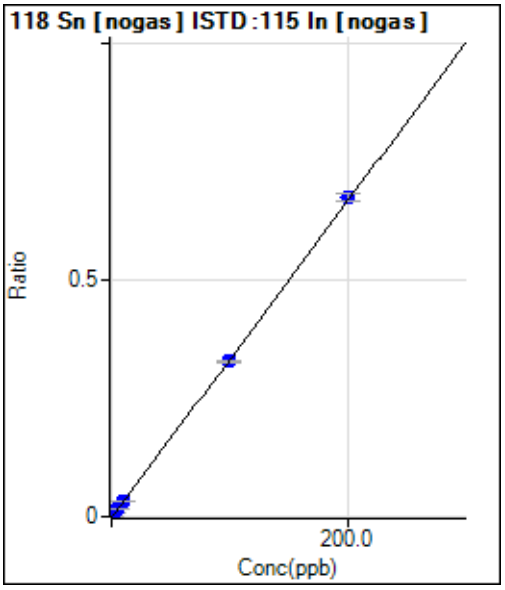
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0001	P	28.4	
2	☐	2.000	1.931	6865.07	0.0074	P	4.3	-3.5
3	☐	5.000	4.685	16626.46	0.0179	P	2.5	-6.3
4	☐	10.000	9.889	34818.96	0.0377	P	1.0	-1.1
5	☐	100.000	99.393	345889.24	0.3784	P	0.5	-0.6
6	☐	200.000	200.318	673957.75	0.7625	P	1.1	0.2
7	☐	1.000						

y = 0.0038 * x + 5.8081E-005
R = 1.0000
DL = 0.01301 ppb
BEC = 0.01526 ppb

Weight: <None>
Min Conc: <None>

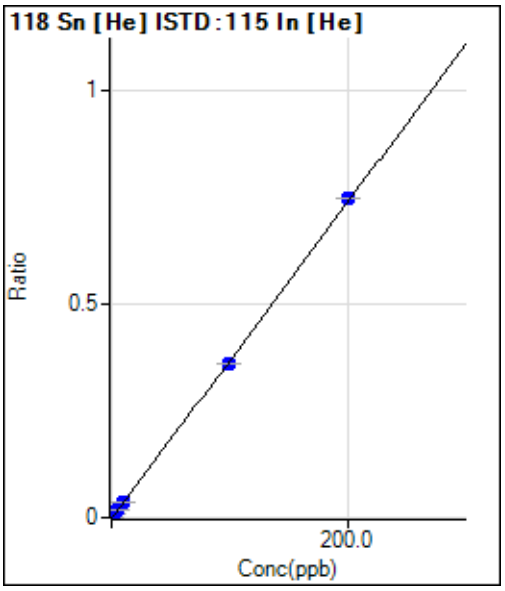


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2766.99	0.0011	P	4.5	
2	☐	2.000	1.852	18258.44	0.0073	P	0.0	-7.4
3	☐	5.000	4.542	40657.50	0.0163	P	2.5	-9.2
4	☐	10.000	9.460	81603.44	0.0328	P	1.7	-5.4
5	☐	100.000	97.619	807306.58	0.3282	P	1.4	-2.4
6	☐	200.000	201.230	1611475.29	0.6754	P	1.8	0.6
7	☐	1.000						

y = 0.0034 * x + 0.0011
R = 0.9999
DL = 0.04489 ppb
BEC = 0.3311 ppb

Weight: <None>
Min Conc: <None>

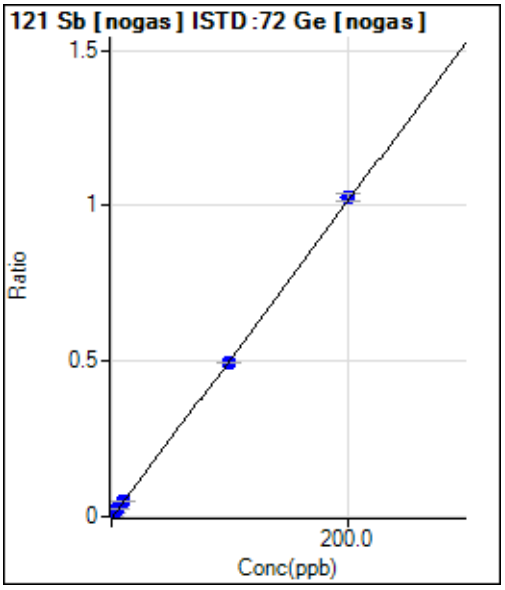
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1163.40	0.0013	P	2.0	
2	☐	2.000	1.902	7705.52	0.0083	P	5.2	-4.9
3	☐	5.000	4.664	17220.44	0.0185	P	3.2	-6.7
4	☐	10.000	9.548	33816.63	0.0366	P	3.7	-4.5
5	☐	100.000	97.322	330555.59	0.3616	P	0.2	-2.7
6	☐	200.000	201.371	660111.11	0.7468	P	0.4	0.7
7	☐	1.000						

y = 0.0037 * x + 0.0013
R = 0.9999
DL = 0.02006 ppb
BEC = 0.3423 ppb

Weight: <None>
Min Conc: <None>

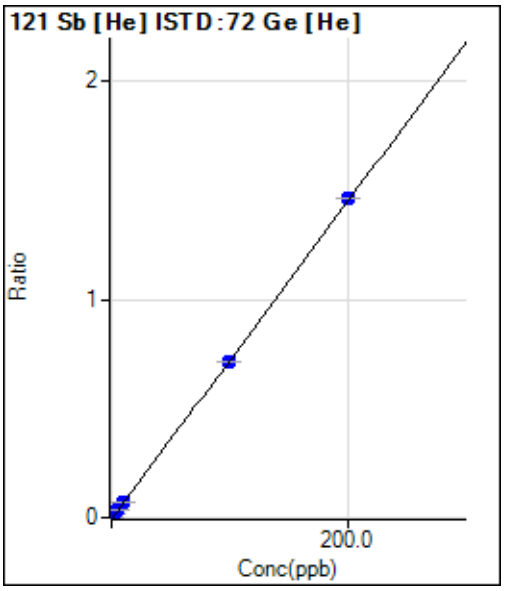


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	576.69	0.0002	P	12.3	
2	☐	2.000	1.863	22654.78	0.0097	P	1.9	-6.8
3	☐	5.000	4.528	53850.92	0.0233	P	2.6	-9.4
4	☐	10.000	9.407	111273.22	0.0482	P	1.1	-5.9
5	☐	100.000	97.131	1149120.11	0.4952	P	0.4	-2.9
6	☐	200.000	201.478	2305797.15	1.0270	P	2.8	0.7
7	☐	1.000						

y = 0.0051 * x + 2.4658E-004
R = 0.9999
DL = 0.01787 ppb
BEC = 0.04839 ppb

Weight: <None>
Min Conc: <None>

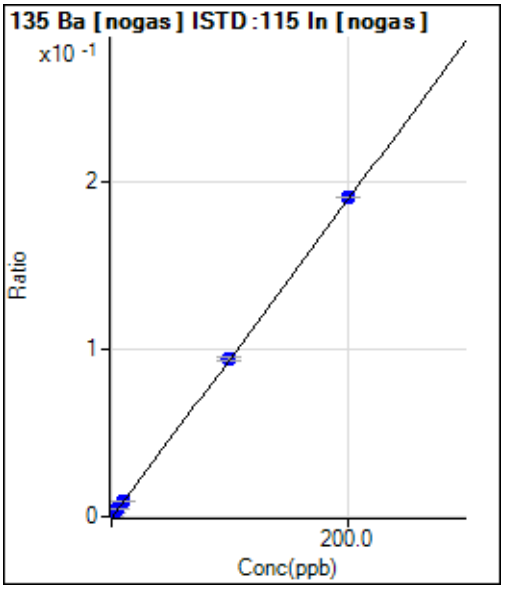
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	246.68	0.0004	P	23.4	
2	☐	2.000	1.867	9129.71	0.0140	P	0.4	-6.6
3	☐	5.000	4.640	22254.27	0.0342	P	1.8	-7.2
4	☐	10.000	9.640	45334.86	0.0706	P	1.6	-3.6
5	☐	100.000	98.169	458278.66	0.7151	P	0.3	-1.8
6	☐	200.000	200.944	918093.03	1.4634	P	0.1	0.5
7	☐	1.000						

y = 0.0073 * x + 3.8688E-004
R = 0.9999
DL = 0.03733 ppb
BEC = 0.05314 ppb

Weight: <None>
Min Conc: <None>

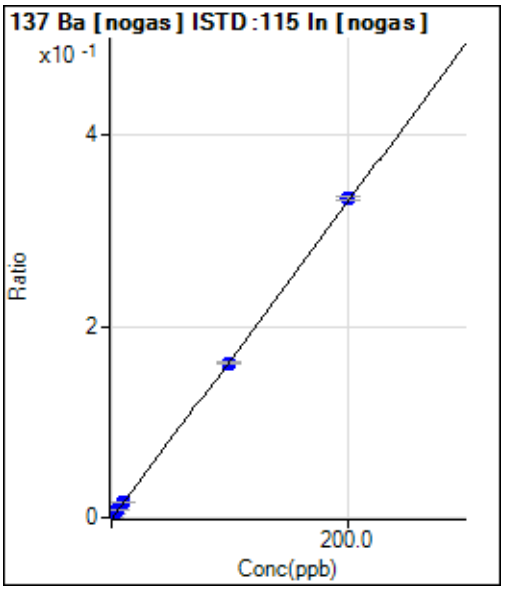


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	303.34	0.0001	P	7.2	
2	☐	2.000	1.968	4960.94	0.0020	P	4.2	-1.6
3	☐	5.000	4.590	11137.85	0.0045	P	4.2	-8.2
4	☐	10.000	9.688	23152.35	0.0093	P	1.8	-3.1
5	☐	100.000	98.794	230764.33	0.0938	P	1.8	-1.2
6	☐	200.000	200.629	454257.43	0.1904	P	0.1	0.3
7	☐	1.000						

y = 9.4831E-004 * x + 1.2159E-004
R = 1.0000
DL = 0.02752 ppb
BEC = 0.1282 ppb

Weight: <None>
Min Conc: <None>

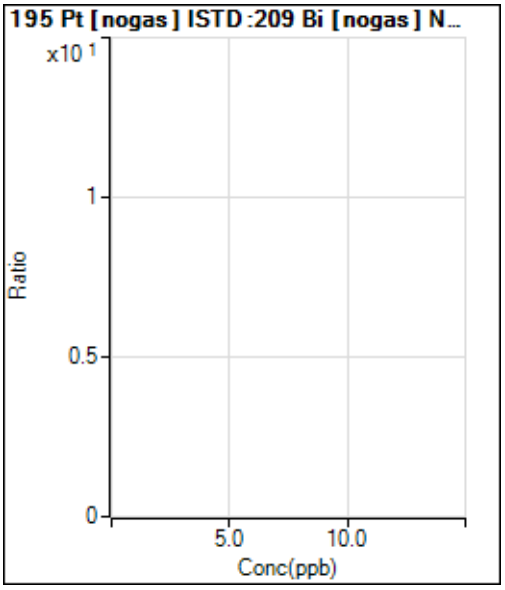
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	530.02	0.0002	P	22.9	
2	☐	2.000	1.974	8699.48	0.0035	P	4.0	-1.3
3	☐	5.000	4.528	19216.54	0.0077	P	2.3	-9.4
4	☐	10.000	9.202	38479.04	0.0155	P	2.5	-8.0
5	☐	100.000	97.526	398258.34	0.1619	P	1.7	-2.5
6	☐	200.000	201.289	796817.70	0.3339	P	1.3	0.6
7	☐	1.000						

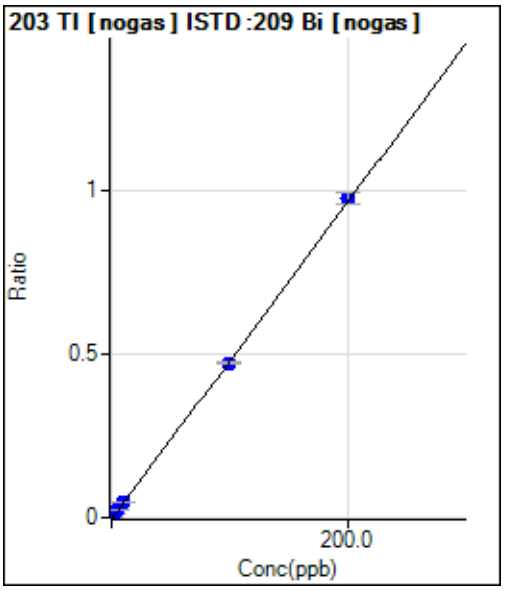
y = 0.0017 * x + 2.1248E-004
R = 0.9999
DL = 0.088 ppb
BEC = 0.1282 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

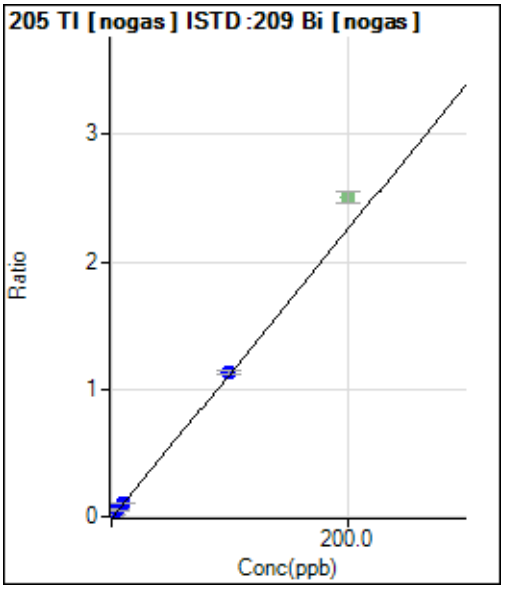
Calibration for 112_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0000	P	40.2	
2	☐	2.000	1.887	20165.13	0.0092	P	5.4	-5.6
3	☐	5.000	4.604	49298.94	0.0223	P	3.6	-7.9
4	☐	10.000	9.415	101109.22	0.0456	P	5.2	-5.8
5	☐	100.000	97.445	1031269.33	0.4716	P	1.2	-2.6
6	☐	200.000	201.318	2053798.72	0.9742	P	3.3	0.7
7	☐	1.000						

y = 0.0048 * x + 1.7866E-005
R = 0.9999
DL = 0.004448 ppb
BEC = 0.003692 ppb

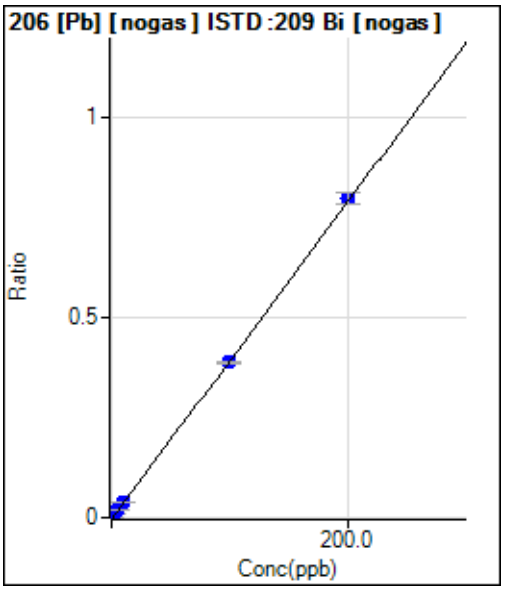
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0000	P	54.1	
2	☐	2.000	1.935	48409.71	0.0220	P	5.4	-3.2
3	☐	5.000	4.680	117290.56	0.0531	P	4.8	-6.4
4	☐	10.000	9.688	243609.45	0.1098	P	4.8	-3.1
5	☐	100.000	100.049	2479027.00	1.1336	P	1.9	0.0
6	☑	200.000		5282592.84	2.5058	A	3.6	
7	☐	1.000						

y = 0.0113 * x + 4.2157E-005
R = 1.0000
DL = 0.006042 ppb
BEC = 0.003721 ppb

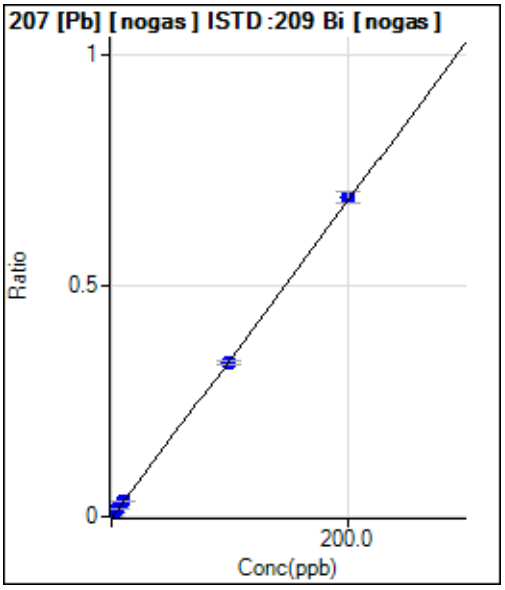
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	170.00	0.0001	P	12.1	
2	☐	2.000	1.922	16977.52	0.0077	P	3.0	-3.9
3	☐	5.000	4.656	41008.50	0.0185	P	3.9	-6.9
4	☐	10.000	9.511	83893.90	0.0378	P	4.3	-4.9
5	☐	100.000	97.704	847965.64	0.3877	P	1.7	-2.3
6	☐	200.000	201.182	1682833.78	0.7983	P	3.8	0.6
7	☐	1.000						

y = 0.0040 * x + 7.6624E-005
R = 0.9999
DL = 0.006987 ppb
BEC = 0.01931 ppb

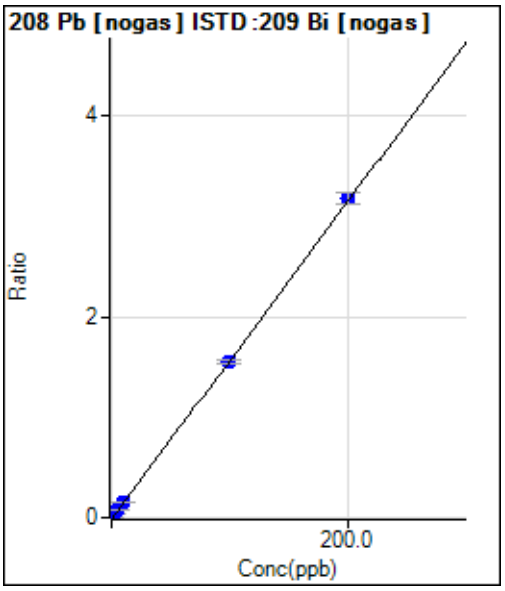
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	160.00	0.0001	P	12.3	
2	☐	2.000	1.875	14364.45	0.0065	P	2.3	-6.2
3	☐	5.000	4.608	35165.89	0.0159	P	2.7	-7.8
4	☐	10.000	9.356	71493.90	0.0322	P	2.3	-6.4
5	☐	100.000	97.445	732243.63	0.3348	P	2.5	-2.6
6	☐	200.000	201.321	1458121.49	0.6917	P	3.5	0.7
7	☐	1.000						

y = 0.0034 * x + 7.2101E-005
R = 0.9999
DL = 0.00774 ppb
BEC = 0.02099 ppb

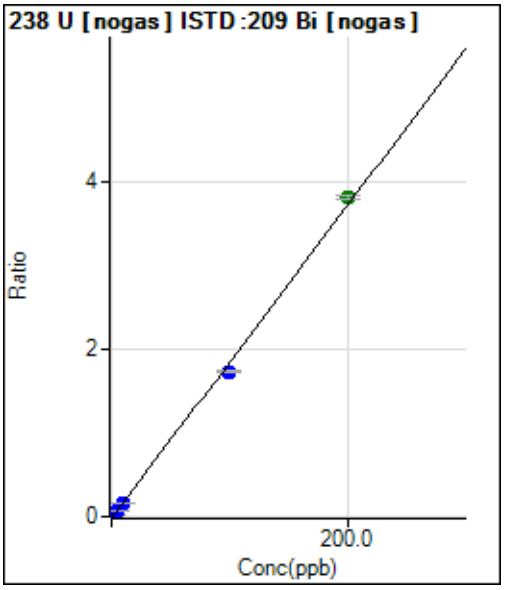
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	766.69	0.0003	P	13.4	
2	☐	2.000	1.910	67380.08	0.0306	P	2.7	-4.5
3	☐	5.000	4.615	162154.95	0.0733	P	3.5	-7.7
4	☐	10.000	9.484	333678.01	0.1504	P	3.4	-5.2
5	☐	100.000	98.046	3392612.84	1.5513	P	1.8	-2.0
6	☐	200.000	201.013	6704128.44	3.1800	P	3.3	0.5
7	☐	1.000						

y = 0.0158 * x + 3.4552E-004
R = 0.9999
DL = 0.008776 ppb
BEC = 0.02184 ppb

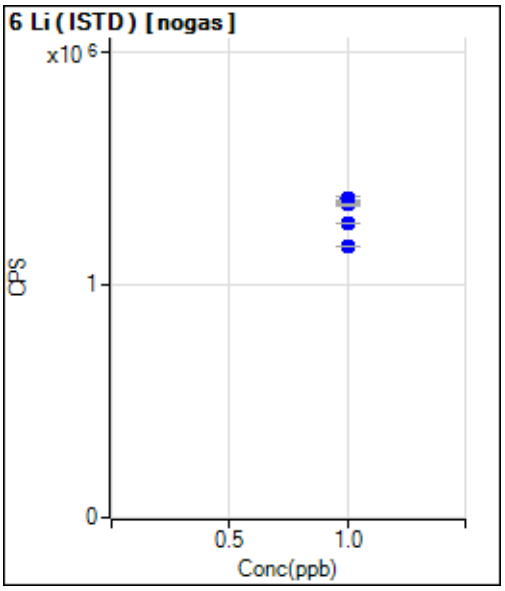
Weight: <None>
Min Conc: <None>



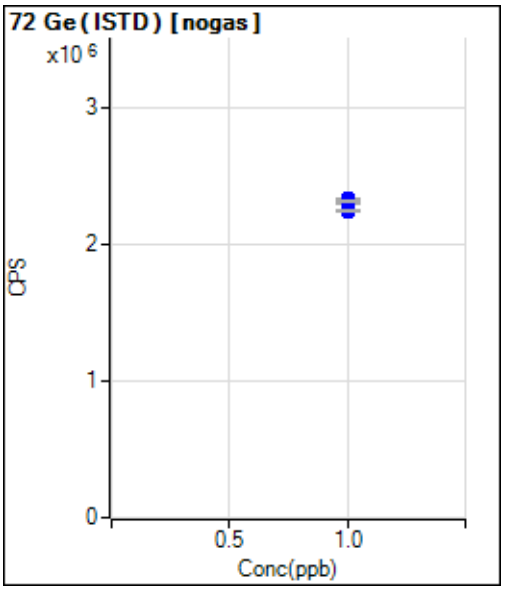
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	310.01	0.0001	P	27.3	
2	☐	2.000	1.729	71722.14	0.0325	P	4.2	-13.6
3	☐	5.000	4.187	173775.86	0.0786	P	3.3	-16.3
4	☐	10.000	8.625	358974.42	0.1618	P	3.4	-13.7
5	☐	100.000	92.359	3785107.86	1.7308	P	1.2	-7.6
6	☐	200.000	203.912	8057755.71	3.8211	A	0.9	2.0
7	☐	1.000						

y = 0.0187 * x + 1.3923E-004
R = 0.9990
DL = 0.006094 ppb
BEC = 0.00743 ppb

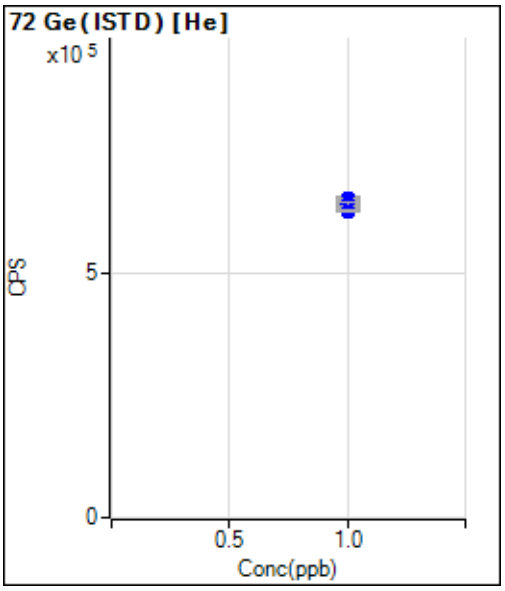
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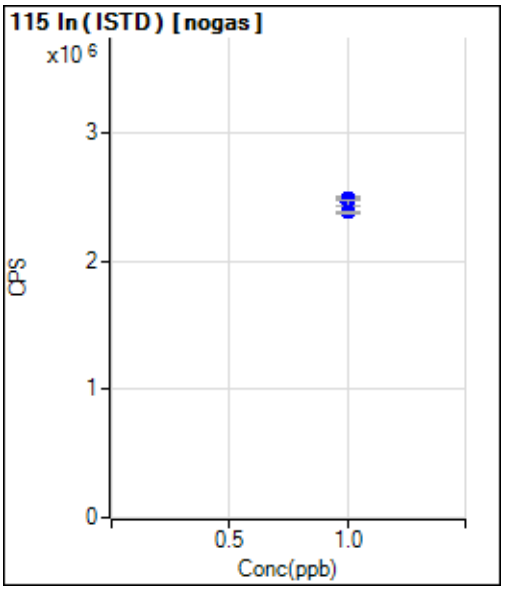
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1369633.52		P	1.0	
2	☐	1.000		1359467.55		P	0.8	
3	☐	1.000		1346307.54		P	0.6	
4	☐	1.000		1342772.90		P	0.3	
5	☐	1.000		1262457.50		P	0.1	
6	☐	1.000		1164046.18		P	0.4	
7	☐	1.000						



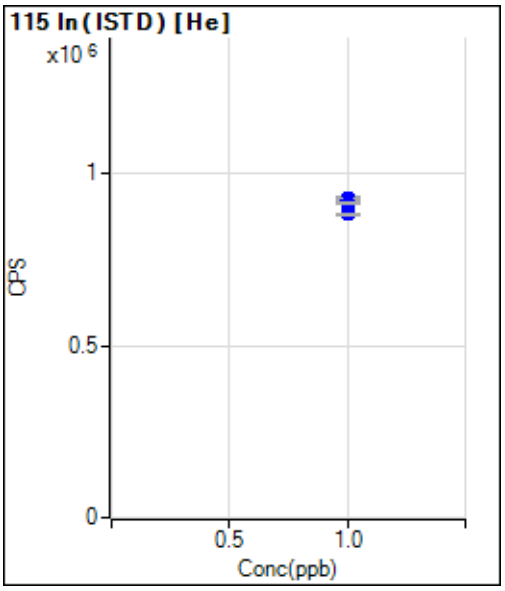
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2338923.77		P	0.4	
2	☐	1.000		2325446.37		P	0.6	
3	☐	1.000		2308596.58		P	0.8	
4	☐	1.000		2309191.06		P	0.8	
5	☐	1.000		2320299.44		P	0.8	
6	☐	1.000		2245378.14		P	0.8	
7	☐	1.000						



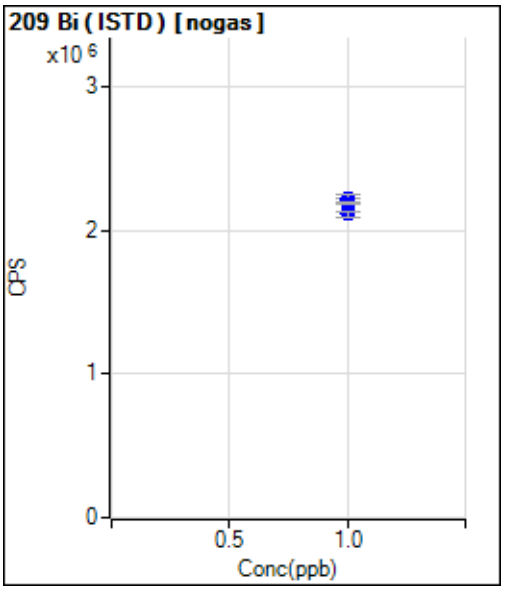
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		638659.62		P	1.4	
2	☐	1.000		652929.73		P	0.6	
3	☐	1.000		651296.75		P	0.1	
4	☐	1.000		642380.95		P	0.3	
5	☐	1.000		640831.47		P	0.9	
6	☐	1.000		627359.40		P	0.6	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2494311.02		P	0.6	
2	☐	1.000		2496167.47		P	0.8	
3	☐	1.000		2489500.65		P	1.0	
4	☐	1.000		2487327.05		P	0.7	
5	☐	1.000		2460060.33		P	1.7	
6	☐	1.000		2386058.06		P	0.9	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		918036.72		P	0.7	
2	☐	1.000		927092.53		P	0.9	
3	☐	1.000		929248.51		P	0.9	
4	☐	1.000		923587.81		P	0.7	
5	☐	1.000		914160.72		P	0.9	
6	☐	1.000		883879.68		P	0.6	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2222206.37		P	2.8	
2	☐	1.000		2205027.15		P	1.8	
3	☐	1.000		2212424.55		P	2.9	
4	☐	1.000		2220260.38		P	2.5	
5	☐	1.000		2187031.79		P	1.0	
6	☐	1.000		2108918.46		P	1.6	
7	☐	1.000						

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLCCV2
Data File Name	114LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T13:56:30-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref File Name	105CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	1.905	3.772	12720	3.44	2	95.3	70	120	
B	11	1	nogas	14.696	1.317	121507	0.76	10	147.0	70	120	NewName Main CR1 Failed
Al	27	1	nogas	0.726	6.898	109085	1.58	2	36.3	70	120	NewName Main CR1 Failed
P	31	1	nogas	37.333	38.404	51001	0.95	10	373.3	70	120	NewName Main CR1 Failed
Ti	47	1	nogas	2.124	8.359	3637	5.93	2	106.2	70	120	
Ni	60	1	nogas	2.042	2.270	10304	1.10	2	102.1	70	120	
Cu	63	1	nogas	2.088	2.003	24647	2.28	2	104.4	70	120	
Zn	66	1	nogas	2.037	1.797	9403	1.75	2	101.9	70	120	
Se	77	1	nogas	-11.428	-7.285	4124	3.78	2	-571.4	70	120	NewName Main CR1 Failed
Se	82	1	nogas	1.929	8.503	670	3.95	2	96.5	70	120	
Sr	88	1	nogas	1.891	1.745	52300	2.44	2	94.5	70	120	
Mo	95	1	nogas	2.062	1.083	11715	1.52	2	103.1	70	120	
Ag	107	1	nogas	2.304	2.341	28435	4.46	2	115.2	70	120	
Cd	111	1	nogas	2.053	2.949	5407	4.69	2	102.6	70	120	
Sn	118	1	nogas	2.322	5.606	21476	3.59	2	116.1	70	120	
Sb	121	1	nogas	2.194	0.274	26054	1.92	2	109.7	70	120	
Ba	137	1	nogas	2.059	4.684	8760	4.11	2	102.9	70	120	
Tl	205	1	nogas	1.853	1.290	48570	1.99	2	92.7	70	120	
Pb	208	1	nogas	1.991	0.670	67787	2.61	2	99.5	70	120	
[Pb]	206	1	nogas	1.991	2.626	16981	0.51	2	99.6	70	120	
[Pb]	207	1	nogas	2.001	5.565	14798	7.22	2	100.0	70	120	
U	238	1	nogas	1.787	1.836	71571	1.08	2	89.3	70	120	
Li	7	1	nogas	1.930	3.927	134161	0.92	2	96.5	70	120	
Ba	135	1	nogas	1.986	8.700	4851	10.33	2	99.3	70	120	
Tl	203	1	nogas	1.997	2.131	20616	3.85	2	99.8	70	120	
Na	23	2	He	190.576	0.864	408036	0.44	200	95.3	70	120	
Mg	24	2	He	194.759	1.326	197522	1.51	200	97.4	70	120	
Al	27	2	He	0.612	36.325	4044	2.73	2	30.6	70	120	NewName Main CR1 Failed
K	39	2	He	191.167	1.119	296920	0.43	200	95.6	70	120	
Ca	43	2	He	187.993	1.556	637	0.91	200	94.0	70	120	
Ca	44	2	He	197.355	3.341	11238	2.12	200	98.7	70	120	
V	51	2	He	1.791	6.510	13764	4.53	2	89.5	70	120	
Cr	52	2	He	1.718	6.183	22043	3.79	2	85.9	70	120	
Mn	55	2	He	1.893	2.649	10931	3.03	2	94.6	70	120	
Fe	56	2	He	186.925	0.158	1239887	0.75	200	93.5	70	120	
Co	59	2	He	2.004	2.069	18241	2.32	2	100.2	70	120	
Ni	60	2	He	2.037	3.373	4921	3.25	2	101.9	70	120	
Cu	63	2	He	2.019	5.780	12249	6.08	2	100.9	70	120	
Zn	66	2	He	2.209	5.452	3567	4.79	2	110.4	70	120	
As	75	2	He	2.017	4.336	2085	3.32	2	100.8	70	120	
Se	77	2	He	2.185	79.004	113	41.70	2	109.2	70	120	
Sb	121	2	He	2.208	5.478	10624	4.75	2	110.4	70	120	
Se	78	2	He	1.935	9.999	246	6.95	2	96.8	70	120	
Ti	47	2	He	2.039	15.392	563	14.24	2	102.0	70	120	
Zr	90	1	nogas	1.584	1.462	29757	1.49	2	79.2	70	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2279634	2.18	2338924	97.47	70	120	
In	115	1	nogas	2416776	2.29	2494311	96.89	70	120	
Li	6	1	nogas	1329480	1.36	1369634	97.07	70	120	
Bi	209	1	nogas	2129238	2.06	2222206	95.82	70	120	
Ge	72	2	He	645378	0.67	638660	101.05	70	120	
In	115	2	He	922610	0.76	918037	100.50	70	120	

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLCCV5
Data File Name	115LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T13:58:37-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref File Name	105CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	4.420	1.699	29677	1.43	5	88.4	70	130	
B	11	1	nogas	26.438	1.556	174664	0.47	25	105.8	70	130	
Al	27	1	nogas	4.195	2.767	169016	0.95	5	83.9	70	130	
P	31	1	nogas	41.419	25.002	51935	0.66	25	165.7	70	130	NewName Main CR1 Failed
Ti	47	1	nogas	4.991	2.665	8372	2.92	5	99.8	70	130	
Ni	60	1	nogas	4.931	1.666	24327	3.15	5	98.6	70	130	
Cu	63	1	nogas	5.012	0.842	58073	2.32	5	100.2	70	130	
Zn	66	1	nogas	5.191	2.995	20137	2.61	5	103.8	70	130	
Se	77	1	nogas	-8.219	-10.293	4607	4.21	5	-164.4	70	130	NewName Main CR1 Failed
Se	82	1	nogas	4.610	12.162	1180	10.28	5	92.2	70	130	
Sr	88	1	nogas	4.488	1.608	124946	0.23	5	89.8	70	130	
Mo	95	1	nogas	4.646	2.191	26765	1.92	5	92.9	70	130	
Ag	107	1	nogas	5.417	0.881	68317	2.29	5	108.3	70	130	
Cd	111	1	nogas	4.741	0.825	12788	1.27	5	94.8	70	130	
Sn	118	1	nogas	4.801	1.315	42546	1.70	5	96.0	70	130	
Sb	121	1	nogas	4.794	2.179	56759	0.49	5	95.9	70	130	
Ba	137	1	nogas	4.496	2.485	18966	2.27	5	89.9	70	130	
Tl	205	1	nogas	4.383	2.639	119190	1.76	5	87.7	70	130	
Pb	208	1	nogas	4.636	2.543	162944	1.13	5	92.7	70	130	
U	238	1	nogas	4.218	3.220	175092	2.05	5	84.4	70	130	
Li	7	1	nogas	4.554	1.877	189382	1.39	5	91.1	70	130	
Na	23	2	He	470.050	1.907	911209	0.10	500	94.0	70	130	
Mg	24	2	He	475.385	2.227	481267	1.29	500	95.1	70	130	
Al	27	2	He	3.975	3.929	6141	2.43	5	79.5	70	130	
K	39	2	He	462.057	1.044	584875	0.93	500	92.4	70	130	
Ca	43	2	He	479.630	8.361	1467	6.86	500	95.9	70	130	
Ca	44	2	He	487.102	2.084	24957	3.59	500	97.4	70	130	
V	51	2	He	4.798	2.000	32424	2.94	5	96.0	70	130	
Cr	52	2	He	4.738	2.165	43052	1.68	5	94.8	70	130	
Mn	55	2	He	4.865	2.712	26374	3.72	5	97.3	70	130	
Fe	56	2	He	454.069	1.440	2991737	0.80	500	90.8	70	130	
Co	59	2	He	4.892	1.930	44600	1.27	5	97.8	70	130	
Ni	60	2	He	4.804	5.509	11281	3.74	5	96.1	70	130	
Cu	63	2	He	5.036	2.115	29760	0.47	5	100.7	70	130	
Zn	66	2	He	5.371	3.818	7502	4.01	5	107.4	70	130	
As	75	2	He	4.952	1.229	4849	1.90	5	99.0	70	130	
Sb	121	2	He	4.751	2.274	22658	0.57	5	95.0	70	130	
Se	78	2	He	4.869	6.803	500	4.45	5	97.4	70	130	
Ti	47	2	He	5.179	19.350	1400	18.68	5	103.6	70	130	
Zr	90	1	nogas	4.014	2.095	75302	1.49	5	80.3	70	130	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2300381	1.68	2338924	98.35	70	120	
In	115	1	nogas	2474133	1.41	2494311	99.19	70	120	
Li	6	1	nogas	1339703	0.77	1369634	97.81	70	120	
Bi	209	1	nogas	2212203	1.61	2222206	99.55	70	120	
Ge	72	2	He	647911	1.67	638660	101.45	70	120	
In	115	2	He	926109	0.15	918037	100.88	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICCB
Data File Name	117_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T14:02:51-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	105CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Sb	121	1	nogas	0.105	7.2	1833	5.2	2	
V	51	2	He	-0.180	-39.8	1649	26.6	2.5	
Sb	121	2	He	0.107	14.0	763	9.9	2	
V	51	1	nogas	0.076	81.8	1646	95.3	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2347105	0.21	2338924	100.35	70	120	
In	115	1	nogas	2486843	1.01	2494311	99.70	70	120	
Li	6	1	nogas	1363039	0.40	1369634	99.52	70	120	
Bi	209	1	nogas	2175831	2.78	2222206	97.91	70	120	
Ge	72	2	He	654495	0.57	638660	102.48	70	120	
In	115	2	He	937843	1.52	918037	102.16	70	120	

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	216CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:10:08-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	73	5.37
B	11	1	nogas	81956	0.00
Al	27	1	nogas	92500	0.00
P	31	1	nogas	43960	0.01
Ti	47	1	nogas	187	8.77
Ni	60	1	nogas	890	0.83
Cu	63	1	nogas	1503	0.91
Zn	66	1	nogas	2494	0.20
Se	77	1	nogas	4391	0.15
Se	82	1	nogas	300	5.09
Sr	88	1	nogas	1680	0.38
Mo	95	1	nogas	247	2.51
Ag	107	1	nogas	103	32.89
Cd	111	1	nogas	3	5196.15
Sn	118	1	nogas	2474	0.15
Sb	121	1	nogas	1003	1.41
Ba	137	1	nogas	427	3.03
Tl	205	1	nogas	163	31.21
Pb	208	1	nogas	873	0.99
Li	7	1	nogas	79980	0.00
Na	23	2	He	328086	0.00
Mg	24	2	He	2230	0.04
Al	27	2	He	3414	0.19
K	39	2	He	90182	0.00
Ca	43	2	He	63	28.79
Ca	44	2	He	1750	0.12
V	51	2	He	2235	0.92
Cr	52	2	He	8809	0.08
Mn	55	2	He	680	2.55
Fe	56	2	He	21115	0.02
Co	59	2	He	57	47.57
Ni	60	2	He	300	2.94
Cu	63	2	He	620	0.45
Zn	66	2	He	983	0.43
As	75	2	He	174	6.03
Sb	121	2	He	463	5.86
Se	78	2	He	76	12.48

Calibration Blank Report

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Ge	72	1	nogas	2222435	1.15
In	115	1	nogas	2487358	0.45

Calibration Blank Report

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	1	nogas	1125226	0.84
Bi	209	1	nogas	2305146	2.99
Ge	72	2	He	633162	1.00
In	115	2	He	884304	1.24

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	217CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:12:16-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	10782	0.00
B	11	1	nogas	119023	0.00
Al	27	1	nogas	105483	0.00
P	31	1	nogas	46471	0.00
Ti	47	1	nogas	3124	0.19
Ni	60	1	nogas	9823	0.02
Cu	63	1	nogas	22878	0.00
Zn	66	1	nogas	8966	0.06
Se	77	1	nogas	4307	0.02
Se	82	1	nogas	717	0.96
Sr	88	1	nogas	52183	0.00
Mo	95	1	nogas	10828	0.02
Ag	107	1	nogas	27897	0.00
Cd	111	1	nogas	5423	0.07
Sn	118	1	nogas	18275	0.00
Sb	121	1	nogas	23643	0.01
Ba	137	1	nogas	8760	0.04
Tl	205	1	nogas	50882	0.01
Pb	208	1	nogas	70780	0.00
Na	23	2	He	662715	0.00
Mg	24	2	He	191470	0.00
Al	27	2	He	3934	0.07
K	39	2	He	279195	0.00
Ca	43	2	He	513	2.90
Ca	44	2	He	10147	0.08
V	51	2	He	14082	0.03
Cr	52	2	He	21172	0.01
Mn	55	2	He	10340	0.02
Fe	56	2	He	1194258	0.00
Co	59	2	He	17664	0.02
Ni	60	2	He	4641	0.06
Cu	63	2	He	12082	0.02
Zn	66	2	He	3424	0.03
As	75	2	He	1959	0.35
Sb	121	2	He	9413	0.01
Se	78	2	He	238	4.51

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2214779	0.71	2222435	99.66	70	120	
In	115	1	nogas	2471901	1.24	2487358	99.38	70	120	
Li	6	1	nogas	1118916	0.58	1125226	99.44	70	120	
Bi	209	1	nogas	2312630	2.59	2305146	100.32	70	120	
Ge	72	2	He	634848	0.17	633162	100.27	70	120	
In	115	2	He	898542	0.76	884304	101.61	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	218CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:14:24-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	26054	0.01
B	11	1	nogas	168049	0.00
Al	27	1	nogas	164276	0.00
P	31	1	nogas	48280	0.00
Ti	47	1	nogas	7285	0.05
Ni	60	1	nogas	22283	0.01
Cu	63	1	nogas	51990	0.00
Zn	66	1	nogas	19480	0.01
Se	77	1	nogas	4858	0.04
Se	82	1	nogas	1110	0.37
Sr	88	1	nogas	123585	0.00
Mo	95	1	nogas	26347	0.01
Ag	107	1	nogas	67503	0.00
Cd	111	1	nogas	12775	0.05
Sn	118	1	nogas	41533	0.01
Sb	121	1	nogas	56317	0.00
Ba	137	1	nogas	19844	0.00
Tl	205	1	nogas	124578	0.00
Pb	208	1	nogas	170988	0.00
Na	23	2	He	1148036	0.00
Mg	24	2	He	462854	0.00
Al	27	2	He	6035	0.07
K	39	2	He	549005	0.00
Ca	43	2	He	1403	0.68
Ca	44	2	He	23161	0.01
V	51	2	He	29708	0.01
Cr	52	2	He	40765	0.00
Mn	55	2	He	24423	0.01
Fe	56	2	He	2887498	0.00
Co	59	2	He	43463	0.00
Ni	60	2	He	11261	0.01
Cu	63	2	He	29062	0.00
Zn	66	2	He	7252	0.07
As	75	2	He	4556	0.06
Sb	121	2	He	21546	0.01
Se	78	2	He	497	0.94

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2230837	1.17	2222435	100.38	70	120	
In	115	1	nogas	2497859	0.48	2487358	100.42	70	120	
Li	6	1	nogas	1105343	0.78	1125226	98.23	70	120	
Bi	209	1	nogas	2334615	2.09	2305146	101.28	70	120	
Ge	72	2	He	640223	1.36	633162	101.12	70	120	
In	115	2	He	894364	0.54	884304	101.14	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/1000
Data File Name	219CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:16:32-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	53062	0.01
B	11	1	nogas	258697	0.00
Al	27	1	nogas	226893	0.00
P	31	1	nogas	51537	0.00
Ti	47	1	nogas	15378	0.02
Ni	60	1	nogas	44670	0.00
Cu	63	1	nogas	105972	0.00
Zn	66	1	nogas	35278	0.01
Se	77	1	nogas	5785	0.07
Se	82	1	nogas	2174	0.29
Sr	88	1	nogas	250970	0.00
Mo	95	1	nogas	53180	0.00
Ag	107	1	nogas	137794	0.00
Cd	111	1	nogas	26400	0.00
Sn	118	1	nogas	81966	0.00
Sb	121	1	nogas	114770	0.00
Ba	137	1	nogas	39696	0.01
Tl	205	1	nogas	255543	0.00
Pb	208	1	nogas	354196	0.00
Na	23	2	He	2018593	0.00
Mg	24	2	He	956910	0.00
Al	27	2	He	8342	0.09
K	39	2	He	1027150	0.00
Ca	43	2	He	2624	0.23
Ca	44	2	He	45091	0.01
V	51	2	He	61458	0.00
Cr	52	2	He	75207	0.00
Mn	55	2	He	49759	0.00
Fe	56	2	He	6482680	0.00
Co	59	2	He	89251	0.00
Ni	60	2	He	23395	0.02
Cu	63	2	He	58695	0.00
Zn	66	2	He	13303	0.02
As	75	2	He	8863	0.04
Sb	121	2	He	44355	0.00
Se	78	2	He	895	0.74

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2221965	1.38	2222435	99.98	70	120	
In	115	1	nogas	2489183	0.88	2487358	100.07	70	120	
Li	6	1	nogas	1104237	1.82	1125226	98.13	70	120	
Bi	209	1	nogas	2342064	1.40	2305146	101.60	70	120	
Ge	72	2	He	625594	1.24	633162	98.80	70	120	
In	115	2	He	884640	0.48	884304	100.04	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	220CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:18:39-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	553083	0.00
B	11	1	nogas	1899183	0.00
Al	27	1	nogas	1648419	0.00
P	31	1	nogas	97501	0.00
Ti	47	1	nogas	155744	0.00
Ni	60	1	nogas	445226	0.00
Cu	63	1	nogas	1050207	0.00
Zn	66	1	nogas	328176	0.00
Se	77	1	nogas	17701	0.02
Se	82	1	nogas	18211	0.02
Sr	88	1	nogas	2582310	0.00
Mo	95	1	nogas	550458	0.00
Ag	107	1	nogas	1241109	0.00
Cd	111	1	nogas	271910	0.00
Sn	118	1	nogas	830399	0.00
Sb	121	1	nogas	1182462	0.00
Ba	137	1	nogas	407611	0.00
Tl	205	1	nogas	2645704	0.00
Pb	208	1	nogas	3632818	0.00
Na	23	2	He	18130218	0.00
Mg	24	2	He	10041143	0.00
Al	27	2	He	59770	0.00
K	39	2	He	10142593	0.00
Ca	43	2	He	26133	0.01
Ca	44	2	He	439951	0.00
V	51	2	He	608366	0.00
Cr	52	2	He	685178	0.00
Mn	55	2	He	493775	0.00
Fe	56	2	He	63819246	0.00
Co	59	2	He	890365	0.00
Ni	60	2	He	224670	0.00
Cu	63	2	He	572925	0.00
Zn	66	2	He	121554	0.00
As	75	2	He	89228	0.00
Sb	121	2	He	458594	0.00
Se	78	2	He	8238	0.02

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2228956	0.59	2222435	100.29	70	120	
In	115	1	nogas	2478221	0.84	2487358	99.63	70	120	
Li	6	1	nogas	1045724	0.19	1125226	92.93	70	120	
Bi	209	1	nogas	2319777	0.62	2305146	100.63	70	120	
Ge	72	2	He	629745	0.35	633162	99.46	70	120	
In	115	2	He	878642	0.46	884304	99.36	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	221CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:20:47-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	1092318	0.00
B	11	1	nogas	3728156	0.00
Al	27	1	nogas	3205315	0.00
P	31	1	nogas	144021	0.00
Ti	47	1	nogas	307754	0.00
Ni	60	1	nogas	863514	0.00
Cu	63	1	nogas	2046788	0.00
Zn	66	1	nogas	643295	0.00
Se	77	1	nogas	31871	0.00
Se	82	1	nogas	36211	0.01
Sr	88	1	nogas	5438030	0.00
Mo	95	1	nogas	1100550	0.00
Ag	107	1	nogas	2417802	0.00
Cd	111	1	nogas	535224	0.00
Sn	118	1	nogas	1636254	0.00
Sb	121	1	nogas	2383499	0.00
Ba	137	1	nogas	799043	0.00
Tl	205	1	nogas	5719009	0.00
Pb	208	1	nogas	7121596	0.00
Na	23	2	He	35809859	0.00
Mg	24	2	He	19826031	0.00
Al	27	2	He	116103	0.00
K	39	2	He	20022071	0.00
Ca	43	2	He	54009	0.00
Ca	44	2	He	885443	0.00
V	51	2	He	1197877	0.00
Cr	52	2	He	1353393	0.00
Mn	55	2	He	972803	0.00
Fe	56	2	He	125140251	0.00
Co	59	2	He	1774013	0.00
Ni	60	2	He	442393	0.00
Cu	63	2	He	1124138	0.00
Zn	66	2	He	243426	0.00
As	75	2	He	179291	0.00
Sb	121	2	He	918874	0.00
Se	78	2	He	15970	0.01

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	2191472	0.29	2222435	98.61	70	120	
In	115	1	nogas	2416582	1.42	2487358	97.15	70	120	
Li	6	1	nogas	975026	1.22	1125226	86.65	70	120	
Bi	209	1	nogas	2249351	1.31	2305146	97.58	70	120	
Ge	72	2	He	626039	0.25	633162	98.88	70	120	
In	115	2	He	863936	0.13	884304	97.70	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICCV
Data File Name	223_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:25:01-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	96.454	0.665	559173	0.23	100	96.5	90	110	
B	11	1	nogas	466.278	1.716	1880911	1.19	500	93.3	90	110	
Al	27	1	nogas	100.343	0.797	1687144	1.65	100	100.3	90	110	
P	31	1	nogas	1977.572	1.764	250305	1.85	500	395.5	90	110	ICV Main CR1 Failed
Ti	47	1	nogas	101.206	0.385	159380	1.26	100	101.2	90	110	
Ni	60	1	nogas	102.417	1.836	454461	2.69	100	102.4	90	110	
Cu	63	1	nogas	102.282	1.954	1074547	2.90	100	102.3	90	110	
Zn	66	1	nogas	101.258	0.596	334745	1.47	100	101.3	90	110	
Se	77	1	nogas	96.671	1.865	17928	2.23	100	96.7	90	110	
Se	82	1	nogas	98.337	3.020	18315	2.62	100	98.3	90	110	
Sr	88	1	nogas	96.727	0.513	2651853	0.57	100	96.7	90	110	
Mo	95	1	nogas	99.311	0.206	556471	0.35	100	99.3	90	110	
Ag	107	1	nogas	108.144	1.123	1338540	1.32	100	108.1	90	110	
Cd	111	1	nogas	101.245	2.362	276706	2.51	100	101.2	90	110	
Sn	118	1	nogas	101.273	1.618	847015	1.77	100	101.3	90	110	
Sb	121	1	nogas	101.162	0.759	1228799	1.65	100	101.2	90	110	
Ba	137	1	nogas	101.572	0.840	414941	1.04	100	101.6	90	110	
Tl	205	1	nogas	95.834	2.639	2740605	1.37	100	95.8	90	110	
Pb	208	1	nogas	100.980	3.589	3664377	2.35	100	101.0	90	110	
U	238	1	nogas	96.496	3.622	4233160	2.46	100	96.5	90	110	
Li	7	1	nogas	95.602	0.794	1697814	0.79	100	95.6	90	110	
Ba	135	1	nogas	101.370	2.166	237522	2.32	100	101.4	90	110	
Tl	203	1	nogas	103.713	3.180	1132928	2.05	100	103.7	90	110	
Na	23	2	He	10061.114	0.495	18234192	0.94	10000	100.6	90	110	
Mg	24	2	He	10182.219	0.192	10146236	0.62	10000	101.8	90	110	
Al	27	2	He	100.691	1.927	60279	2.23	100	100.7	90	110	
K	39	2	He	10370.018	0.242	10468323	0.53	10000	103.7	90	110	
Ca	43	2	He	10099.246	0.588	27191	0.77	10000	101.0	90	110	
Ca	44	2	He	10159.001	1.156	451065	1.59	10000	101.6	90	110	
V	51	2	He	102.595	0.635	618849	0.41	100	102.6	90	110	
Cr	52	2	He	102.839	0.840	702797	0.68	100	102.8	90	110	
Mn	55	2	He	103.634	0.962	507212	1.39	100	103.6	90	110	
Fe	56	2	He	10340.940	1.284	65141576	1.40	10000	103.4	90	110	
Co	59	2	He	104.120	1.194	926718	1.43	100	104.1	90	110	
Ni	60	2	He	103.839	0.783	231140	0.77	100	103.8	90	110	
Cu	63	2	He	104.489	0.381	591378	0.19	100	104.5	90	110	
Zn	66	2	He	103.783	0.389	126995	0.79	100	103.8	90	110	
As	75	2	He	103.816	0.297	93285	0.57	100	103.8	90	110	
Sb	121	2	He	103.735	0.525	477795	0.34	100	103.7	90	110	
Se	78	2	He	105.248	3.092	8508	3.50	100	105.2	90	110	
Ti	47	2	He	103.532	2.204	26086	2.15	100	103.5	90	110	
Zr	90	1	nogas	80.236	1.106	1445715	1.14	100	80.2	90	110	ICV Main CR1 Failed

QC ISTD Table

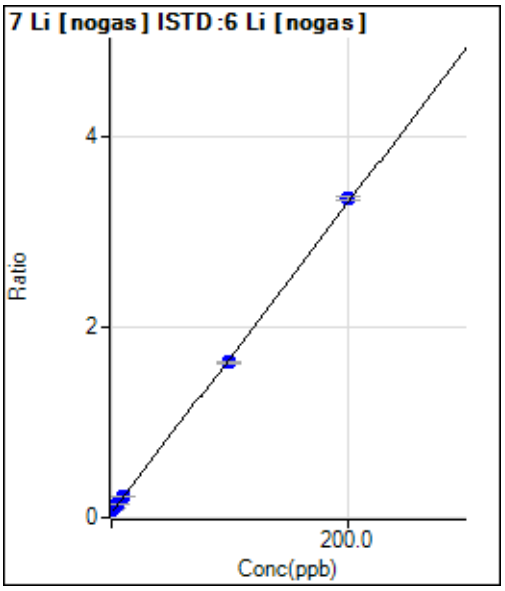
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2244187	0.98	2222435	100.98	70	120	
In	115	1	nogas	2472839	0.20	2487358	99.42	70	120	
Li	6	1	nogas	1046855	0.58	1125226	93.04	70	120	
Bi	209	1	nogas	2297722	1.32	2305146	99.68	70	120	
Ge	72	2	He	628438	0.47	633162	99.25	70	120	
In	115	2	He	881771	0.64	884304	99.71	70	120	

Calibration for 223_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070424A.b\
Analysis File: 070424A.batch.bin
DA Date-Time: 7/4/2024 9:09:53 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	216CALB.d	CAL BLK	7/4/2024 6:10:08 PM
2	217CALS.d	2/10/200	7/4/2024 6:12:16 PM
3	218CALS.d	5/25/500	7/4/2024 6:14:24 PM
4	219CALS.d	10/50/1000	7/4/2024 6:16:32 PM
5	220CALS.d	100/500/10K	7/4/2024 6:18:39 PM
6	221CALS.d	200/1000/20K	7/4/2024 6:20:47 PM
7			

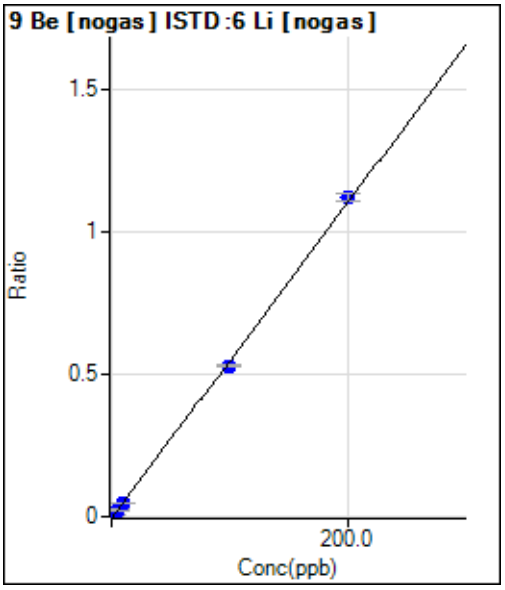
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	79980.31	0.0711	P	0.9	
2	☐	2.000	1.729	110906.12	0.0991	P	0.9	-13.6
3	☐	5.000	4.404	157534.81	0.1425	P	0.5	-11.9
4	☐	10.000	8.996	239601.78	0.2170	P	0.8	-10.0
5	☐	100.000	96.008	1702889.82	1.6284	P	0.6	-4.0
6	☐	200.000	202.064	3264717.24	3.3488	P	1.5	1.0
7	☐	1.000						

y = 0.0162 * x + 0.0711
R = 0.9997
DL = 0.1206 ppb
BEC = 4.382 ppb

Weight: <None>
Min Conc: <None>

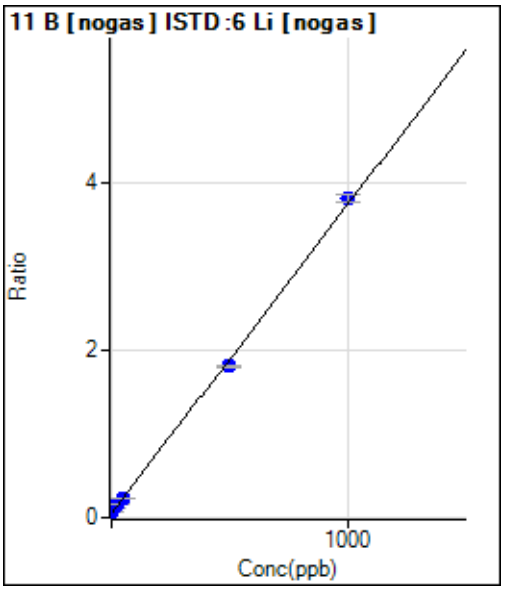


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	73.33	0.0001	P	3.2	
2	☐	2.000	1.728	10782.14	0.0096	P	0.6	-13.6
3	☐	5.000	4.246	26053.52	0.0236	P	3.1	-15.1
4	☐	10.000	8.667	53061.86	0.0481	P	2.9	-13.3
5	☐	100.000	95.503	553083.25	0.5289	P	0.8	-4.5
6	☐	200.000	202.337	1092317.75	1.1205	P	2.0	1.2
7	☐	1.000						

y = 0.0055 * x + 6.5163E-005
R = 0.9997
DL = 0.001145 ppb
BEC = 0.01177 ppb

Weight: <None>
Min Conc: <None>

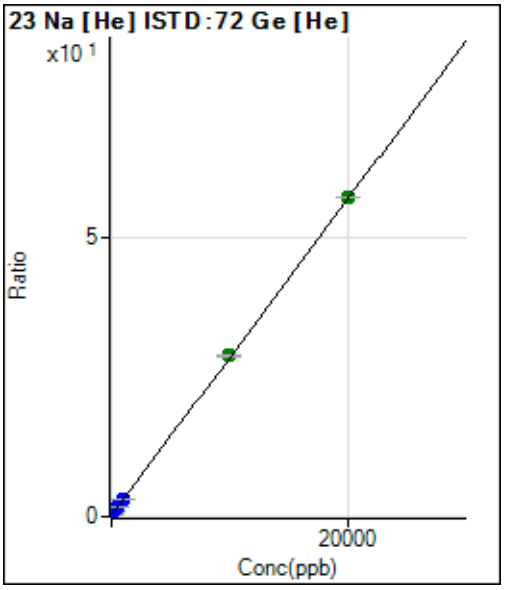
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	81956.31	0.0728	P	1.6	
2	☐	10.000	9.072	119022.88	0.1064	P	2.2	-9.3
3	☐	25.000	21.423	168048.99	0.1520	P	2.2	-14.3
4	☐	50.000	43.670	258696.62	0.2343	P	1.2	-12.7
5	☐	500.000	471.499	1899183.04	1.8161	P	1.2	-5.7
6	☐	1000.000	1014.666	3728155.78	3.8244	P	2.6	1.5
7	☐	5.000						

y = 0.0037 * x + 0.0728
R = 0.9995
DL = 0.943 ppb
BEC = 19.7 ppb

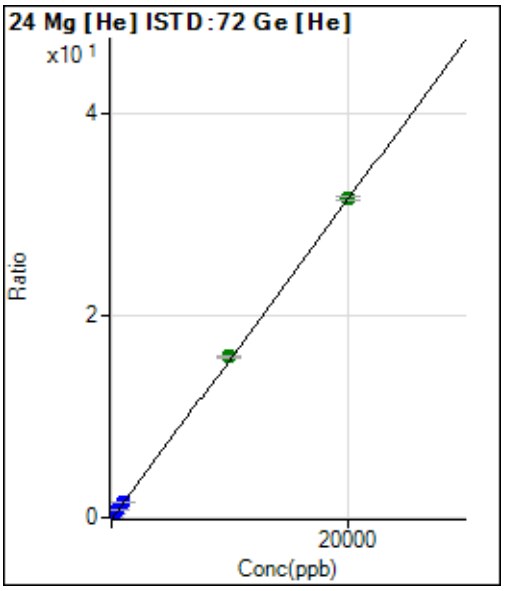
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	328086.46	0.5182	P	2.2	
2	☐	200.000	185.593	662714.68	1.0439	P	0.2	-7.2
3	☐	500.000	450.239	1148035.74	1.7935	P	1.7	-10.0
4	☐	1000.000	956.346	2018593.46	3.2269	P	1.3	-4.4
5	☐	10000.00	9981.846	18130218.48	28.7902	A	0.6	-0.2
6	☐	20000.00	20012.64	35809858.63	57.2008	A	0.3	0.1
7	☐	100.000						

y = 0.0028 * x + 0.5182
R = 1.0000
DL = 11.98 ppb
BEC = 183 ppb

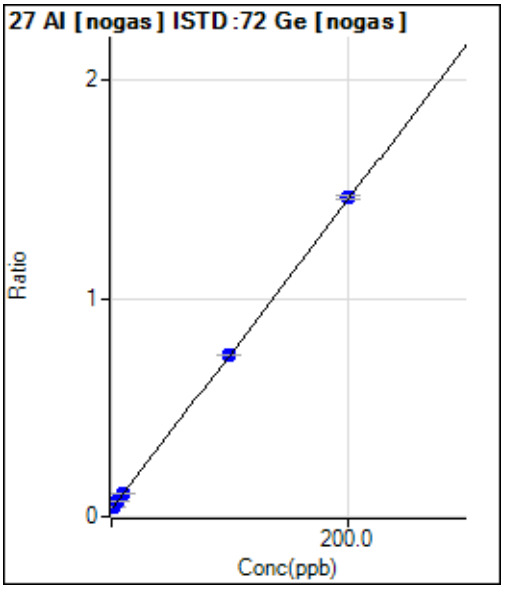
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2230.21	0.0035	P	1.5	
2	☐	200.000	188.029	191470.41	0.3016	P	0.6	-6.0
3	☐	500.000	453.903	462854.11	0.7231	P	2.0	-9.2
4	☐	1000.000	962.758	956910.22	1.5298	P	1.4	-3.7
5	☐	10000.00	10056.03	10041143.39	15.9451	A	0.7	0.6
6	☐	20000.00	19975.11	19826031.37	31.6695	A	1.0	-0.1
7	☐	100.000						

y = 0.0016 * x + 0.0035
R = 1.0000
DL = 0.1023 ppb
BEC = 2.222 ppb

Weight: <None>
Min Conc: <None>

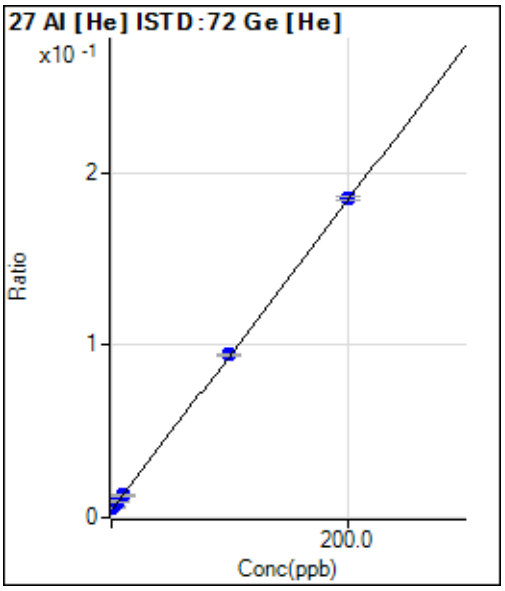


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	92500.28	0.0416	P	1.1	
2	☐	2.000	0.848	105483.09	0.0476	P	0.5	-57.6
3	☐	5.000	4.525	164275.95	0.0736	P	1.4	-9.5
4	☐	10.000	8.548	226892.63	0.1021	P	1.0	-14.5
5	☐	100.000	98.618	1648418.57	0.7395	P	0.7	-1.4
6	☐	200.000	200.787	3205314.64	1.4626	P	1.0	0.4
7	☐	1.000						

y = 0.0071 * x + 0.0416
R = 1.0000
DL = 0.186 ppb
BEC = 5.882 ppb

Weight: <None>
Min Conc: <None>

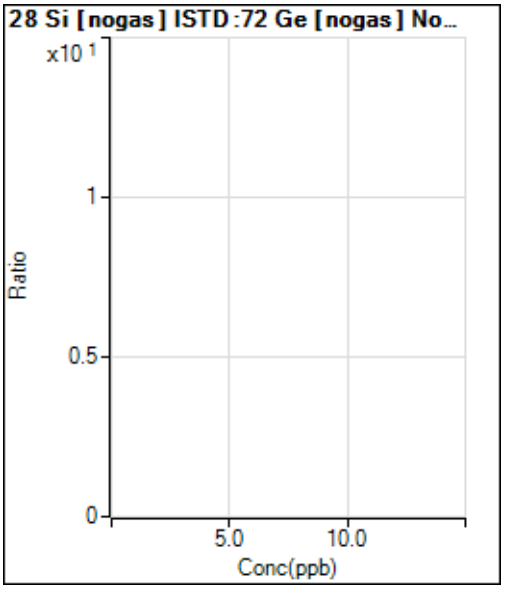
Calibration for 223_ICV.d



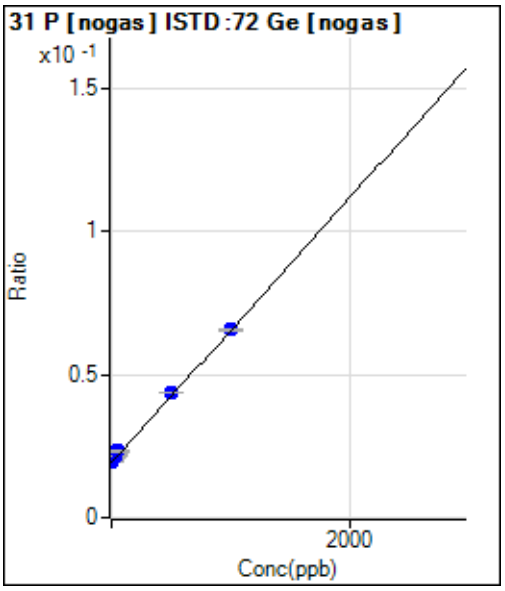
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3413.78	0.0054	P	6.3	
2	☐	2.000	0.896	3933.92	0.0062	P	2.5	-55.2
3	☐	5.000	4.492	6034.62	0.0094	P	5.1	-10.2
4	☐	10.000	8.844	8342.43	0.0133	P	8.3	-11.6
5	☐	100.000	99.576	59769.59	0.0949	P	1.1	-0.4
6	☐	200.000	200.293	116102.52	0.1855	P	1.2	0.1
7	☐	1.000						

y = 8.9902E-004 * x + 0.0054
R = 1.0000
DL = 1.125 ppb
BEC = 5.997 ppb

Weight: <None>
Min Conc: <None>



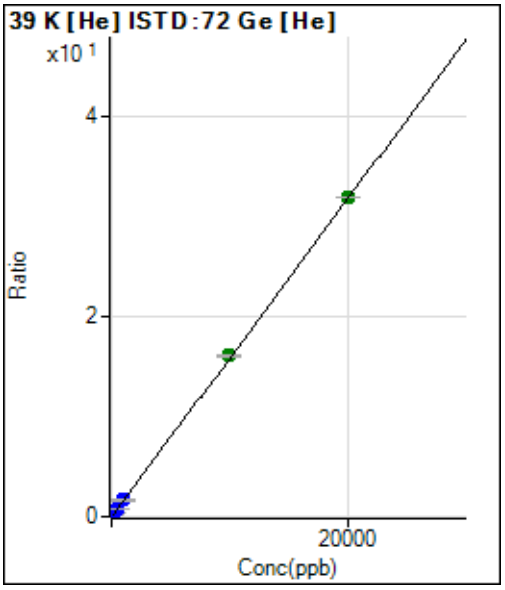
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	43959.88	0.0198	P	3.3	
2	☐	10.000	25.879	46470.75	0.0210	P	2.3	158.8
3	☐	25.000	40.144	48279.51	0.0216	P	2.6	60.6
4	☐	50.000	73.597	51536.99	0.0232	P	2.1	47.2
5	☐	500.000	516.412	97501.34	0.0437	P	0.3	3.3
6	☐	1000.000	990.077	144020.78	0.0657	P	0.9	-1.0
7	☐	5.000						

y = 4.6395E-005 * x + 0.0198
R = 0.9997
DL = 42.28 ppb
BEC = 426.4 ppb

Weight: <None>
Min Conc: <None>

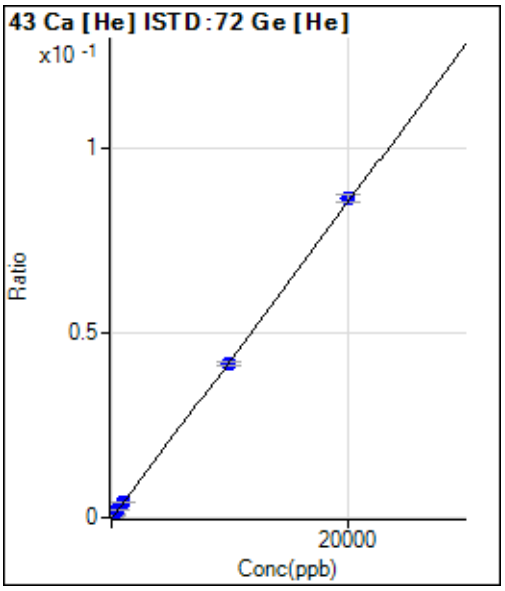


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	90182.06	0.1425	P	2.8	
2	☐	200.000	186.688	279195.47	0.4398	P	1.7	-6.7
3	☐	500.000	449.049	549005.36	0.8576	P	1.1	-10.2
4	☐	1000.000	941.607	1027149.65	1.6421	P	1.4	-5.8
5	☐	10000.00	10023.83	10142593.39	16.1064	A	1.4	0.2
6	☐	20000.00	19992.40	20022071.37	31.9822	A	0.3	0.0
7	☐	100.000						

y = 0.0016 * x + 0.1425
R = 1.0000
DL = 7.458 ppb
BEC = 89.45 ppb

Weight: <None>
Min Conc: <None>

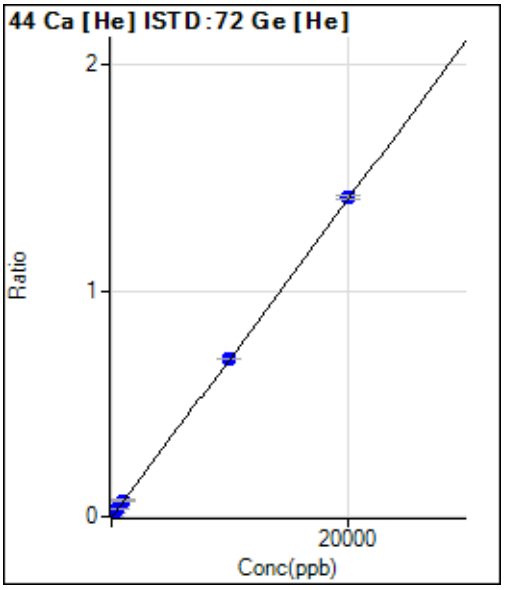
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63.33	0.0001	P	18.9	
2	☐	200.000	165.737	513.35	0.0008	P	14.8	-17.1
3	☐	500.000	489.775	1403.43	0.0022	P	10.5	-2.0
4	☐	1000.000	958.196	2623.61	0.0042	P	7.0	-4.2
5	☐	10000.00	9684.733	26132.88	0.0415	P	1.8	-3.2
6	☐	20000.00	20160.32	54009.36	0.0863	P	2.2	0.8
7	☐	100.000						

y = 4.2744E-006 * x + 1.0012E-004
R = 0.9998
DL = 13.28 ppb
BEC = 23.42 ppb

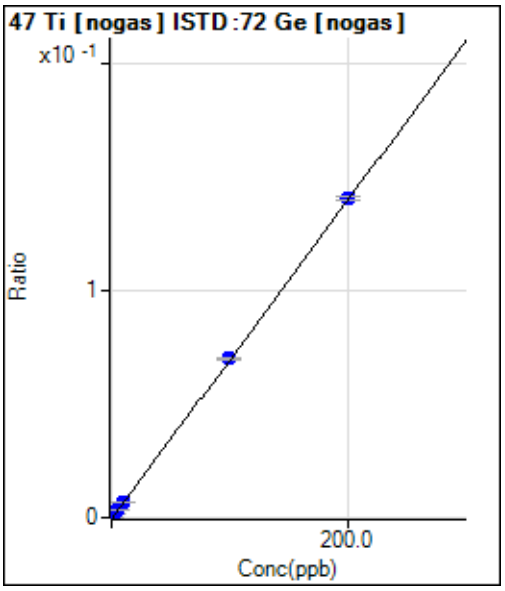
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1750.14	0.0028	P	2.7	
2	☐	200.000	187.805	10146.90	0.0160	P	8.0	-6.1
3	☐	500.000	474.762	23161.26	0.0362	P	2.0	-5.0
4	☐	1000.000	985.162	45090.54	0.0721	P	3.7	-1.5
5	☐	10000.00	9887.492	439950.63	0.6986	P	0.5	-1.1
6	☐	20000.00	20057.74	885442.80	1.4144	P	1.3	0.3
7	☐	100.000						

y = 7.0378E-005 * x + 0.0028
R = 1.0000
DL = 3.203 ppb
BEC = 39.28 ppb

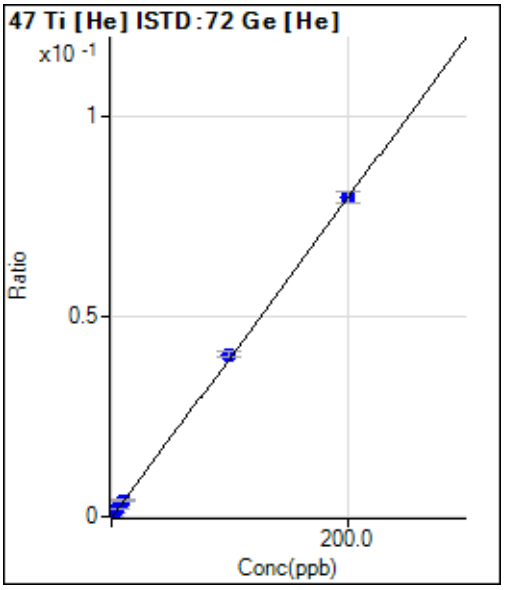
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	186.67	0.0001	P	17.6	
2	☐	2.000	1.893	3123.72	0.0014	P	6.2	-5.4
3	☐	5.000	4.539	7285.21	0.0033	P	2.5	-9.2
4	☐	10.000	9.755	15378.09	0.0069	P	2.4	-2.5
5	☐	100.000	99.571	155743.56	0.0699	P	0.5	-0.4
6	☐	200.000	200.239	307753.80	0.1404	P	1.4	0.1
7	☐	1.000						

y = 7.0088E-004 * x + 8.4108E-005
R = 1.0000
DL = 0.06321 ppb
BEC = 0.12 ppb

Weight: <None>
Min Conc: <None>

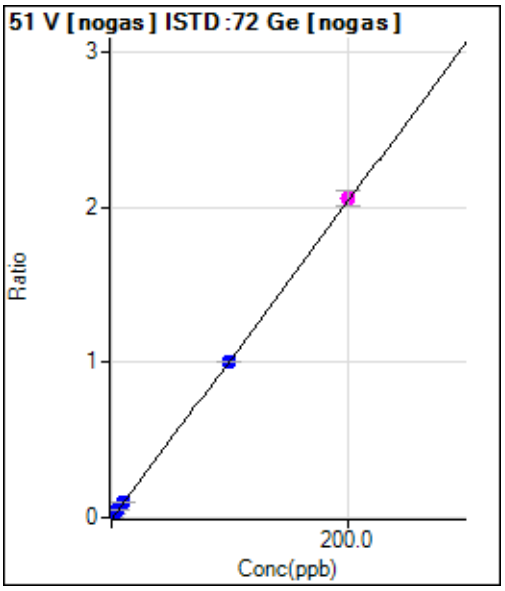


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	30.00	0.0000	P	88.1	
2	☐	2.000	1.796	486.68	0.0008	P	7.4	-10.2
3	☐	5.000	4.679	1230.07	0.0019	P	5.8	-6.4
4	☐	10.000	9.979	2530.26	0.0040	P	7.6	-0.2
5	☐	100.000	101.335	25588.63	0.0406	P	3.6	1.3
6	☐	200.000	199.344	50006.10	0.0799	P	3.3	-0.3
7	☐	1.000						

y = 4.0048E-004 * x + 4.7276E-005
R = 1.0000
DL = 0.312 ppb
BEC = 0.118 ppb

Weight: <None>
Min Conc: <None>

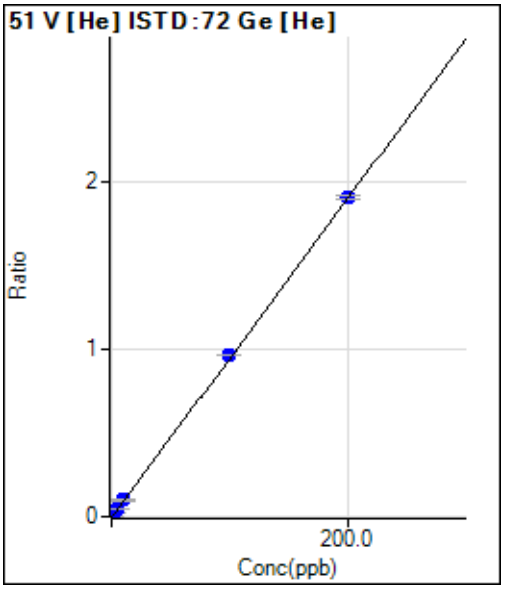
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	371.32	0.0001	P	1656.0	
2	☐	2.000	1.957	44752.45	0.0202	P	4.7	-2.2
3	☐	5.000	4.496	103143.34	0.0462	P	1.8	-10.1
4	☐	10.000	9.423	214913.61	0.0967	P	0.7	-5.8
5	☐	100.000	98.020	2239740.44	1.0048	P	0.5	-2.0
6	☐	200.000	201.032	4516305.63	2.0607	M	4.4	0.5
7	☐	1.000						

y = 0.0102 * x + 1.4946E-004
R = 0.9999
DL = 0.7244 ppb
BEC = 0.01458 ppb

Weight: <None>
Min Conc: <None>

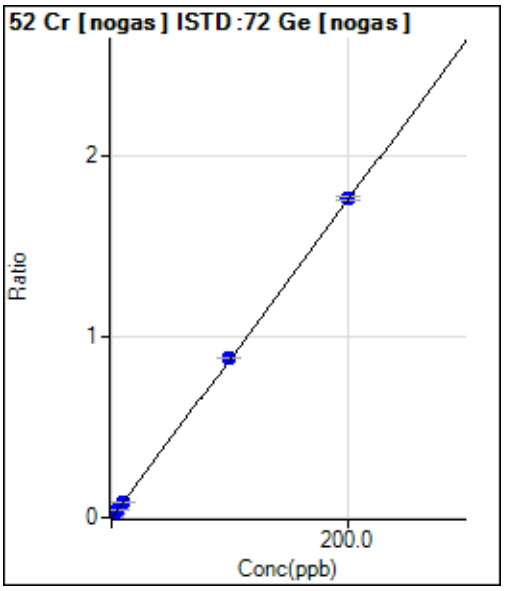


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2235.49	0.0035	P	21.2	
2	☐	2.000	1.950	14082.10	0.0222	P	4.0	-2.5
3	☐	5.000	4.485	29708.13	0.0464	P	5.3	-10.3
4	☐	10.000	9.904	61458.46	0.0983	P	2.2	-1.0
5	☐	100.000	100.641	608366.05	0.9661	P	0.7	0.6
6	☐	200.000	199.698	1197877.45	1.9134	P	0.7	-0.2
7	☐	1.000						

y = 0.0096 * x + 0.0035
R = 1.0000
DL = 0.2354 ppb
BEC = 0.3696 ppb

Weight: <None>
Min Conc: <None>

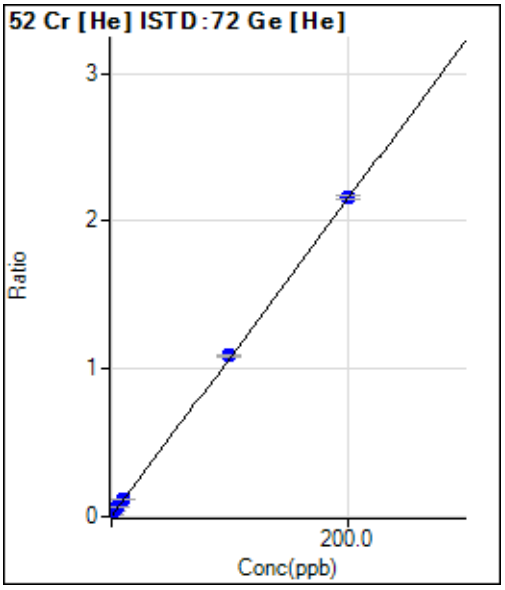
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11798.12	0.0053	P	3.4	
2	☐	2.000	1.937	49528.03	0.0224	P	0.8	-3.2
3	☐	5.000	4.671	103592.94	0.0464	P	0.7	-6.6
4	☐	10.000	9.637	200329.79	0.0902	P	0.6	-3.6
5	☐	100.000	99.656	1967695.60	0.8828	P	0.3	-0.3
6	☐	200.000	200.199	3874711.92	1.7681	P	0.9	0.1
7	☐	1.000						

y = 0.0088 * x + 0.0053
R = 1.0000
DL = 0.0622 ppb
BEC = 0.603 ppb

Weight: <None>
Min Conc: <None>

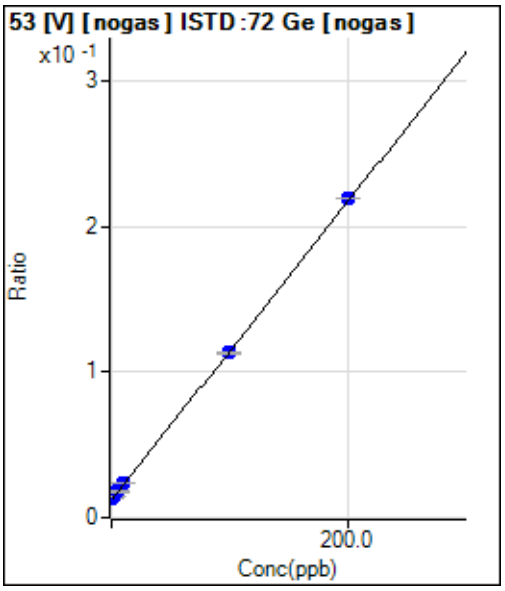


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8809.38	0.0139	P	7.6	
2	☐	2.000	1.809	21171.76	0.0333	P	1.7	-9.5
3	☐	5.000	4.633	40765.31	0.0637	P	0.8	-7.3
4	☐	10.000	9.900	75206.67	0.1202	P	2.3	-1.0
5	☐	100.000	100.017	685177.93	1.0880	P	0.4	0.0
6	☐	200.000	200.008	1353392.74	2.1619	P	0.8	0.0
7	☐	1.000						

y = 0.0107 * x + 0.0139
R = 1.0000
DL = 0.2953 ppb
BEC = 1.296 ppb

Weight: <None>
Min Conc: <None>

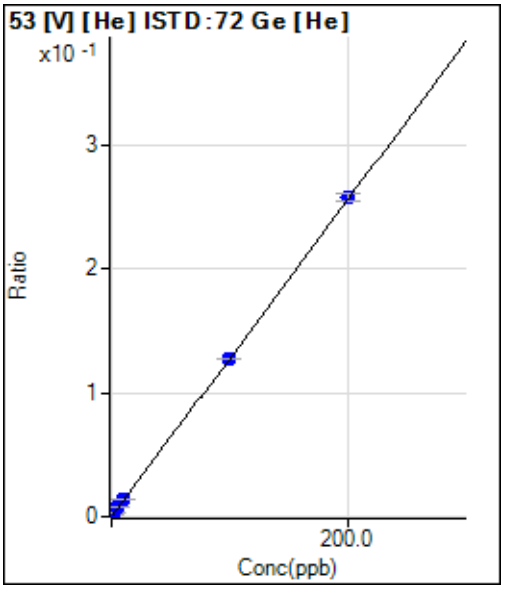
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	29368.84	0.0132	P	4.4	
2	☐	2.000	0.711	30888.48	0.0139	P	0.9	-64.5
3	☐	5.000	4.581	39949.81	0.0179	P	1.8	-8.4
4	☐	10.000	10.427	53086.74	0.0239	P	1.6	4.3
5	☐	100.000	97.579	252128.41	0.1131	P	1.0	-2.4
6	☐	200.000	201.213	480404.25	0.2192	P	0.4	0.6
7	☐	1.000						

y = 0.0010 * x + 0.0132
R = 0.9999
DL = 1.686 ppb
BEC = 12.91 ppb

Weight: <None>
Min Conc: <None>

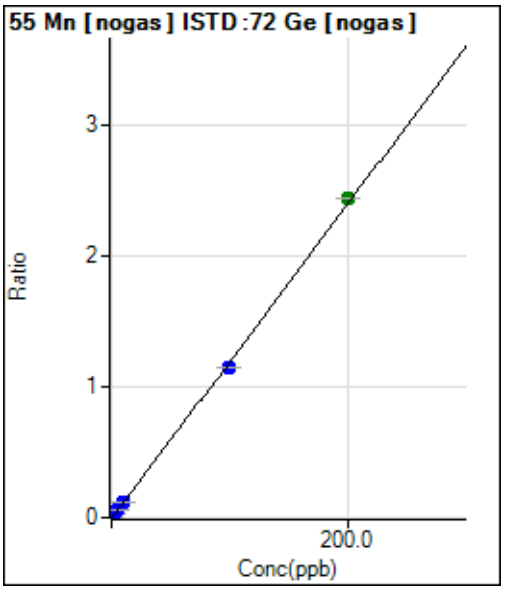


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	880.04	0.0014	P	10.2	
2	☐	2.000	1.736	2293.56	0.0036	P	6.3	-13.2
3	☐	5.000	5.057	5037.60	0.0079	P	3.0	1.1
4	☐	10.000	9.890	8792.71	0.0141	P	2.6	-1.1
5	☐	100.000	98.885	80641.22	0.1281	P	0.3	-1.1
6	☐	200.000	200.564	161699.26	0.2583	P	2.0	0.3
7	☐	1.000						

y = 0.0013 * x + 0.0014
R = 1.0000
DL = 0.3332 ppb
BEC = 1.084 ppb

Weight: <None>
Min Conc: <None>

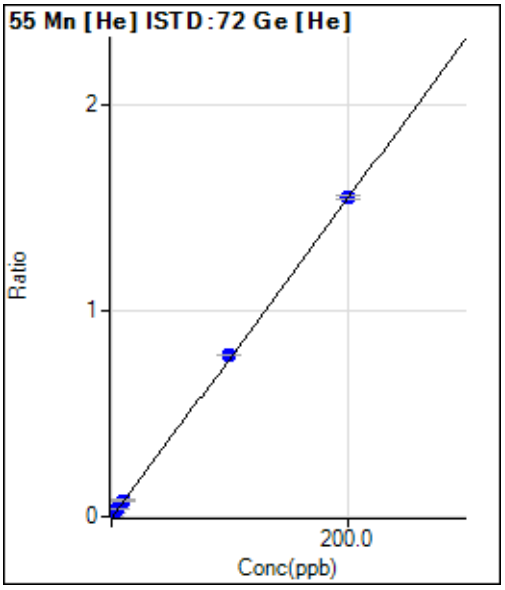
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8459.20	0.0038	P	3.6	
2	☐	2.000	1.878	58533.59	0.0264	P	0.8	-6.1
3	☐	5.000	4.565	131135.80	0.0588	P	0.9	-8.7
4	☐	10.000	9.209	254893.85	0.1147	P	0.7	-7.9
5	☐	100.000	94.961	2557556.84	1.1474	P	0.4	-5.0
6	☐	200.000	202.571	5354649.09	2.4434	A	0.2	1.3
7	☐	1.000						

y = 0.0120 * x + 0.0038
R = 0.9996
DL = 0.03456 ppb
BEC = 0.316 ppb

Weight: <None>
Min Conc: <None>

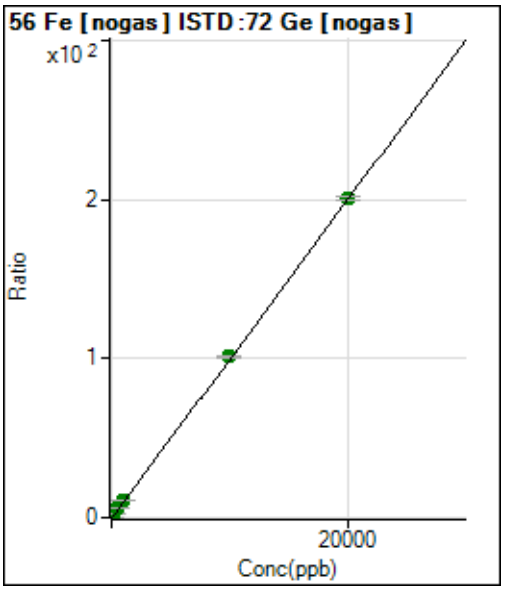


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	680.03	0.0011	P	18.4	
2	☐	2.000	1.956	10340.35	0.0163	P	2.1	-2.2
3	☐	5.000	4.767	24423.49	0.0381	P	0.5	-4.7
4	☐	10.000	10.091	49758.98	0.0796	P	3.0	0.9
5	☐	100.000	100.678	493774.76	0.7841	P	0.2	0.7
6	☐	200.000	199.663	972803.45	1.5539	P	1.0	-0.2
7	☐	1.000						

y = 0.0078 * x + 0.0011
R = 1.0000
DL = 0.07625 ppb
BEC = 0.1383 ppb

Weight: <None>
Min Conc: <None>

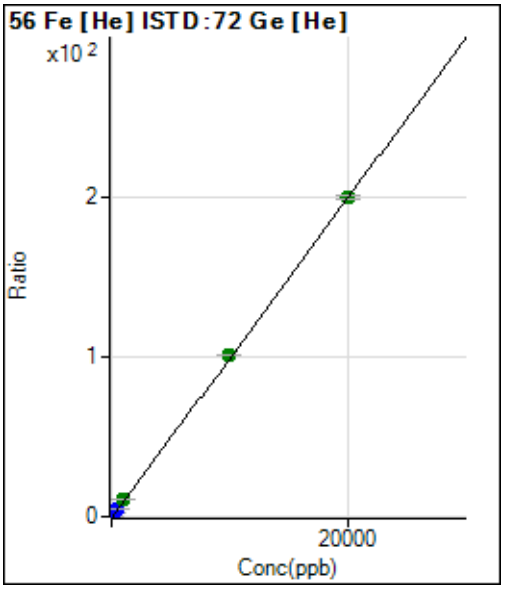
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	931203.74	0.4190	P	1.2	
2	☐	200.000	210.742	5616877.42	2.5362	A	1.1	5.4
3	☐	500.000	506.817	12292400.65	5.5106	A	1.3	1.4
4	☐	1000.000	1014.567	23578243.81	10.6115	A	0.4	1.5
5	☐	10000.00	10038.21	225698983.3	101.263	A	1.6	0.4
6	☐	20000.00	19979.88	440792446.7	201.139	A	0.6	-0.1
7	☐	100.000						

y = 0.0100 * x + 0.4190
R = 1.0000
DL = 1.511 ppb
BEC = 41.71 ppb

Weight: <None>
Min Conc: <None>

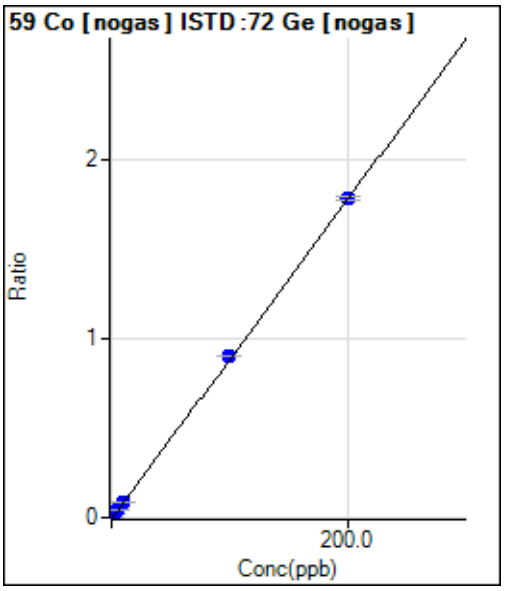


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	21115.16	0.0333	P	2.9	
2	☐	200.000	184.403	1194257.56	1.8812	P	0.7	-7.8
3	☐	500.000	446.829	2887498.08	4.5109	P	1.7	-10.6
4	☐	1000.000	1030.893	6482679.90	10.3635	A	1.5	3.1
5	☐	10000.00	10109.87	63819245.72	101.340	A	0.5	1.1
6	☐	20000.00	19945.00	125140251.4	199.894	A	0.8	-0.3
7	☐	100.000						

y = 0.0100 * x + 0.0333
R = 1.0000
DL = 0.2887 ppb
BEC = 3.328 ppb

Weight: <None>
Min Conc: <None>

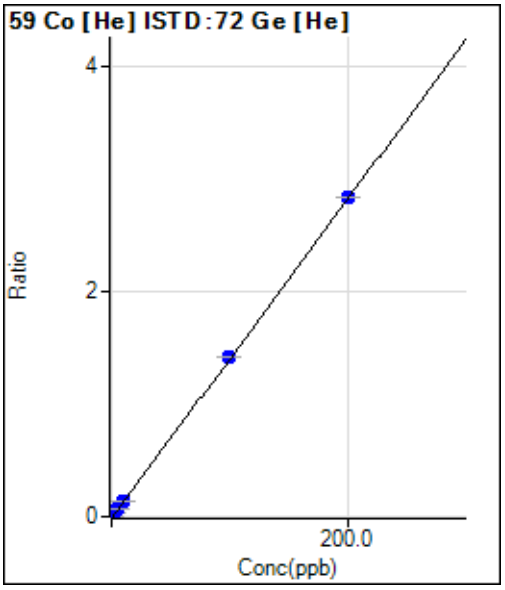
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	283.34	0.0001	P	10.5	
2	☐	2.000	2.023	40434.54	0.0183	P	2.0	1.2
3	☐	5.000	4.842	97058.27	0.0435	P	1.6	-3.2
4	☐	10.000	9.886	197109.81	0.0887	P	0.4	-1.1
5	☐	100.000	100.970	2017006.79	0.9049	P	0.4	1.0
6	☐	200.000	199.524	3918487.13	1.7880	P	0.9	-0.2
7	☐	1.000						

y = 0.0090 * x + 1.2743E-004
R = 1.0000
DL = 0.004498 ppb
BEC = 0.01422 ppb

Weight: <None>
Min Conc: <None>

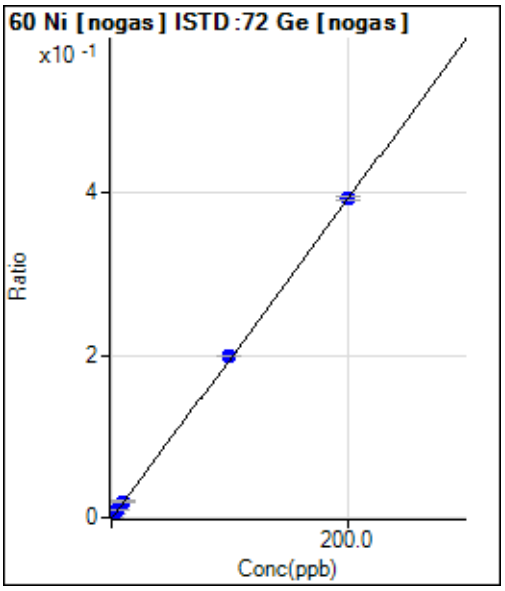


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	56.67	0.0001	P	26.7	
2	☐	2.000	1.958	17664.04	0.0278	P	4.1	-2.1
3	☐	5.000	4.788	43463.08	0.0679	P	2.2	-4.2
4	☐	10.000	10.067	89251.14	0.1427	P	2.1	0.7
5	☐	100.000	99.828	890365.38	1.4138	P	0.3	-0.2
6	☐	200.000	200.088	1774013.41	2.8337	P	0.3	0.0
7	☐	1.000						

y = 0.0142 * x + 8.9484E-005
R = 1.0000
DL = 0.005069 ppb
BEC = 0.006319 ppb

Weight: <None>
Min Conc: <None>

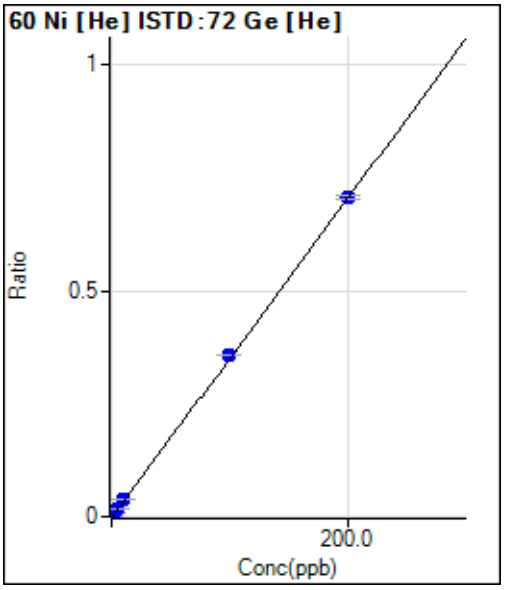
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	890.04	0.0004	P	8.1	
2	☐	2.000	2.045	9823.40	0.0044	P	0.8	2.2
3	☐	5.000	4.859	22283.50	0.0100	P	2.2	-2.8
4	☐	10.000	9.988	44669.90	0.0201	P	2.8	-0.1
5	☐	100.000	101.029	445226.10	0.1997	P	0.3	1.0
6	☐	200.000	199.489	863514.23	0.3940	P	1.6	-0.3
7	☐	1.000						

y = 0.0020 * x + 4.0064E-004
R = 1.0000
DL = 0.04913 ppb
BEC = 0.203 ppb

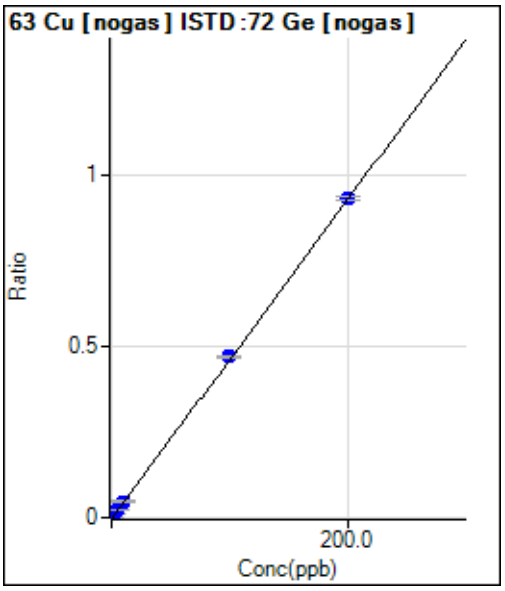
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	300.01	0.0005	P	8.0	
2	☐	2.000	1.933	4640.79	0.0073	P	3.0	-3.4
3	☐	5.000	4.840	11261.09	0.0176	P	3.0	-3.2
4	☐	10.000	10.436	23395.17	0.0374	P	4.5	4.4
5	☐	100.000	100.717	224670.02	0.3568	P	0.3	0.7
6	☐	200.000	199.624	442392.97	0.7066	P	0.9	-0.2
7	☐	1.000						

y = 0.0035 * x + 4.7362E-004
R = 1.0000
DL = 0.03218 ppb
BEC = 0.1339 ppb

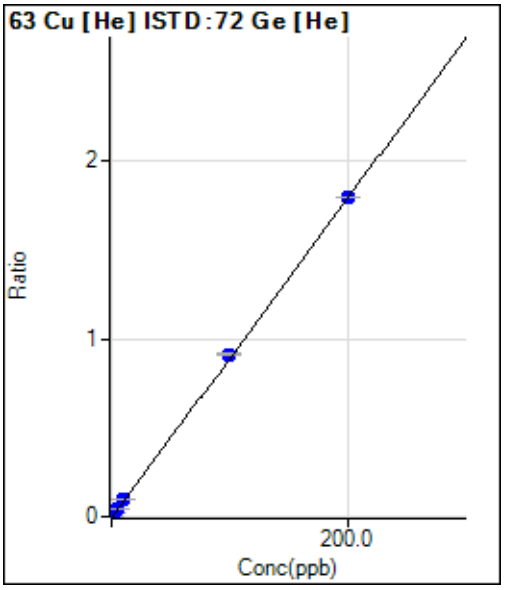
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1503.44	0.0007	P	12.6	
2	☐	2.000	2.065	22877.75	0.0103	P	0.9	3.3
3	☐	5.000	4.842	51990.43	0.0233	P	2.5	-3.2
4	☐	10.000	10.060	105972.35	0.0477	P	1.1	0.6
5	☐	100.000	100.657	1050207.43	0.4712	P	1.7	0.7
6	☐	200.000	199.672	2046788.46	0.9340	P	1.1	-0.2
7	☐	1.000						

y = 0.0047 * x + 6.7584E-004
R = 1.0000
DL = 0.05486 ppb
BEC = 0.1446 ppb

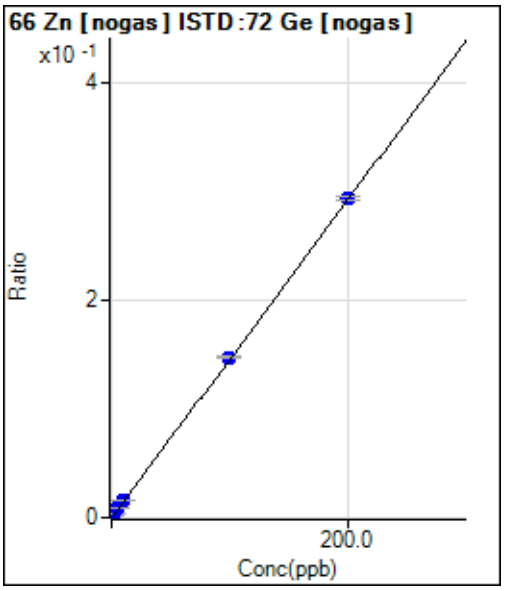
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	620.02	0.0010	P	1.9	
2	☐	2.000	2.007	12081.68	0.0190	P	3.1	0.3
3	☐	5.000	4.937	29061.76	0.0454	P	1.8	-1.3
4	☐	10.000	10.320	58694.59	0.0938	P	0.9	3.2
5	☐	100.000	101.013	572925.49	0.9098	P	1.2	1.0
6	☐	200.000	199.479	1124138.19	1.7956	P	0.2	-0.3
7	☐	1.000						

y = 0.0090 * x + 9.7914E-004
R = 1.0000
DL = 0.00615 ppb
BEC = 0.1088 ppb

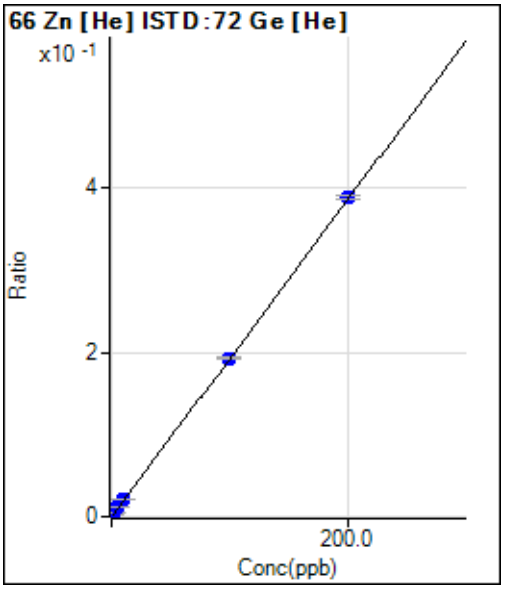
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2493.59	0.0011	P	3.9	
2	☐	2.000	2.001	8966.16	0.0040	P	4.8	0.1
3	☐	5.000	5.206	19479.55	0.0087	P	2.0	4.1
4	☐	10.000	10.093	35278.47	0.0159	P	2.7	0.9
5	☐	100.000	99.941	328175.84	0.1472	P	1.6	-0.1
6	☐	200.000	200.019	643294.56	0.2935	P	0.7	0.0
7	☐	1.000						

y = 0.0015 * x + 0.0011
R = 1.0000
DL = 0.09061 ppb
BEC = 0.7673 ppb

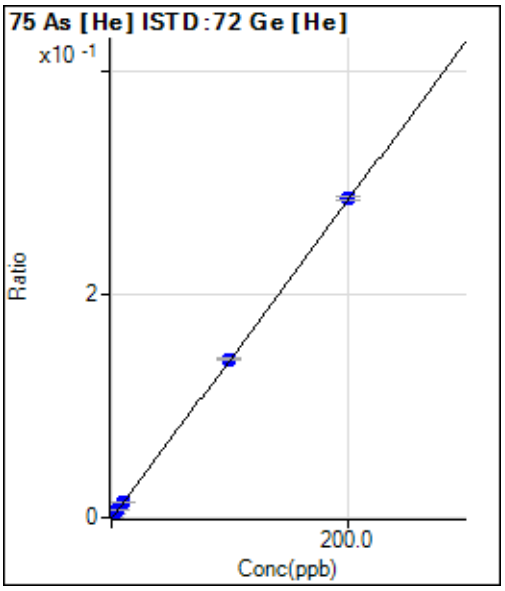
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	983.38	0.0016	P	5.2	
2	☐	2.000	1.987	3423.77	0.0054	P	1.0	-0.6
3	☐	5.000	5.058	7251.88	0.0113	P	4.8	1.2
4	☐	10.000	10.203	13302.80	0.0213	P	2.9	2.0
5	☐	100.000	99.093	121553.67	0.1930	P	0.9	-0.9
6	☐	200.000	200.442	243426.44	0.3888	P	0.7	0.2
7	☐	1.000						

y = 0.0019 * x + 0.0016
R = 1.0000
DL = 0.1266 ppb
BEC = 0.8041 ppb

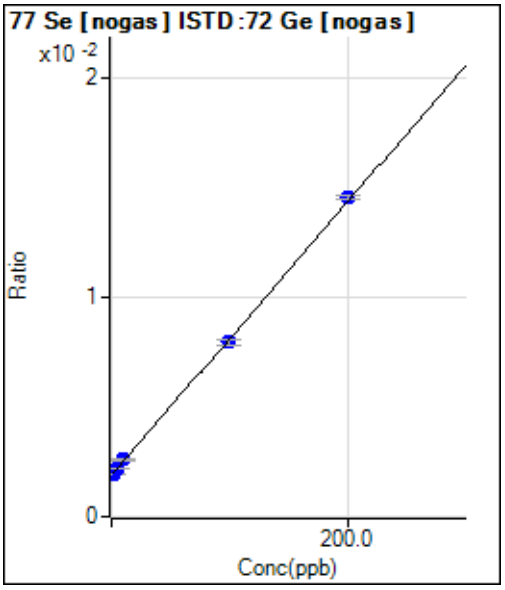
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	174.45	0.0003	P	10.0	
2	☐	2.000	1.969	1959.03	0.0031	P	7.1	-1.5
3	☐	5.000	4.793	4556.28	0.0071	P	1.7	-4.1
4	☐	10.000	9.733	8862.69	0.0142	P	3.5	-2.7
5	☐	100.000	99.084	89227.64	0.1417	P	1.4	-0.9
6	☐	200.000	200.477	179290.51	0.2864	P	1.2	0.2
7	☐	1.000						

y = 0.0014 * x + 2.7542E-004
R = 1.0000
DL = 0.05771 ppb
BEC = 0.193 ppb

Weight: <None>
Min Conc: <None>

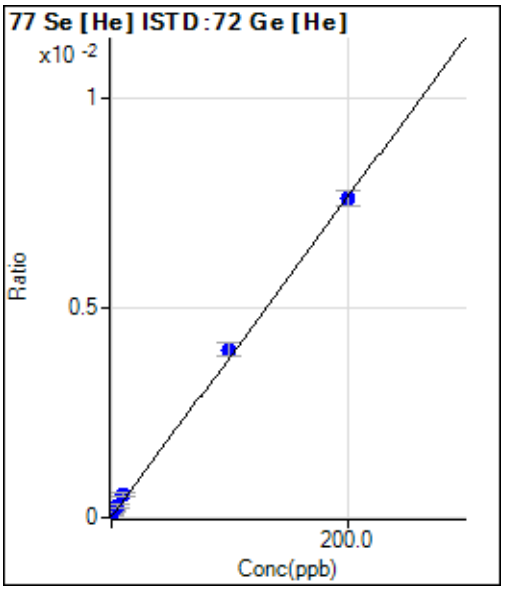


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4390.72	0.0020	P	7.6	
2	☐	2.000	-0.512	4307.39	0.0019	P	1.2	-125.
3	☐	5.000	3.226	4857.54	0.0022	P	1.0	-35.5
4	☐	10.000	10.079	5784.57	0.0026	P	4.2	0.8
5	☐	100.000	95.938	17700.78	0.0079	P	3.5	-4.1
6	☐	200.000	202.097	31871.23	0.0145	P	1.1	1.0
7	☐	1.000						

y = 6.2182E-005 * x + 0.0020
R = 0.9997
DL = 7.232 ppb
BEC = 31.79 ppb

Weight: <None>
Min Conc: <None>

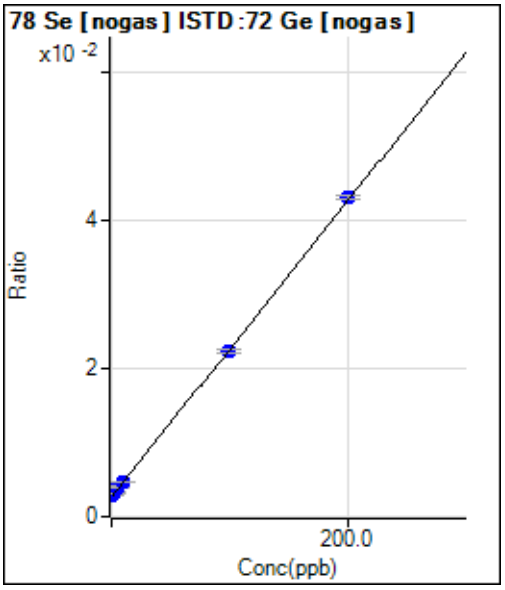
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.67	0.0001	P	41.2	
2	☐	2.000	3.032	110.00	0.0002	P	31.5	51.6
3	☐	5.000	5.724	176.67	0.0003	P	26.2	14.5
4	☐	10.000	12.624	336.68	0.0005	P	12.6	26.2
5	☐	100.000	103.562	2520.28	0.0040	P	7.3	3.6
6	☐	200.000	198.060	4757.52	0.0076	P	4.4	-1.0
7	☐	1.000						

y = 3.8080E-005 * x + 5.7786E-005
R = 0.9998
DL = 1.875 ppb
BEC = 1.517 ppb

Weight: <None>
Min Conc: <None>

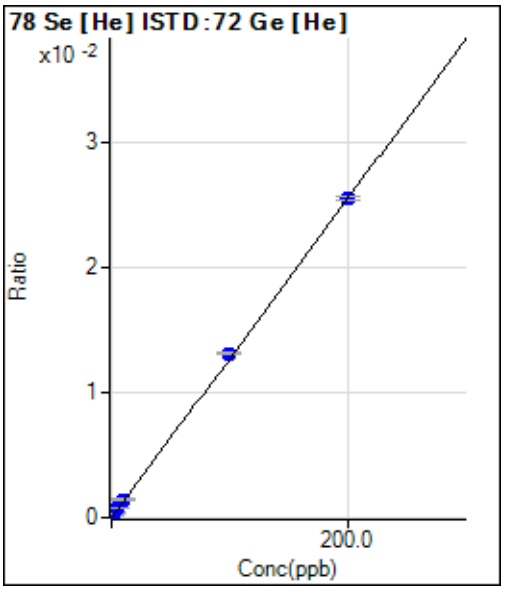


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6444.87	0.0029	P	4.1	
2	☐	2.000	1.505	7088.48	0.0032	P	3.5	-24.7
3	☐	5.000	5.139	8759.43	0.0039	P	6.0	2.8
4	☐	10.000	9.166	10513.90	0.0047	P	2.4	-8.3
5	☐	100.000	97.426	49867.40	0.0224	P	2.2	-2.6
6	☐	200.000	201.330	94540.12	0.0431	P	1.3	0.7
7	☐	1.000						

y = 1.9987E-004 * x + 0.0029
R = 0.9999
DL = 1.779 ppb
BEC = 14.51 ppb

Weight: <None>
Min Conc: <None>

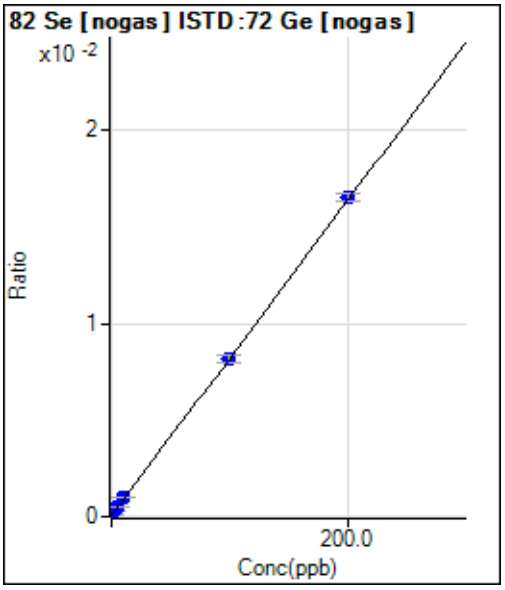
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	76.00	0.0001	P	10.0	
2	☐	2.000	1.999	238.00	0.0004	P	10.7	-0.1
3	☐	5.000	5.155	497.34	0.0008	P	6.1	3.1
4	☐	10.000	10.280	895.36	0.0014	P	5.5	2.8
5	☐	100.000	101.665	8237.63	0.0131	P	1.4	1.7
6	☐	200.000	199.150	15969.91	0.0255	P	0.8	-0.4
7	☐	1.000						

y = 1.2749E-004 * x + 1.2008E-004
R = 1.0000
DL = 0.2831 ppb
BEC = 0.9419 ppb

Weight: <None>
Min Conc: <None>

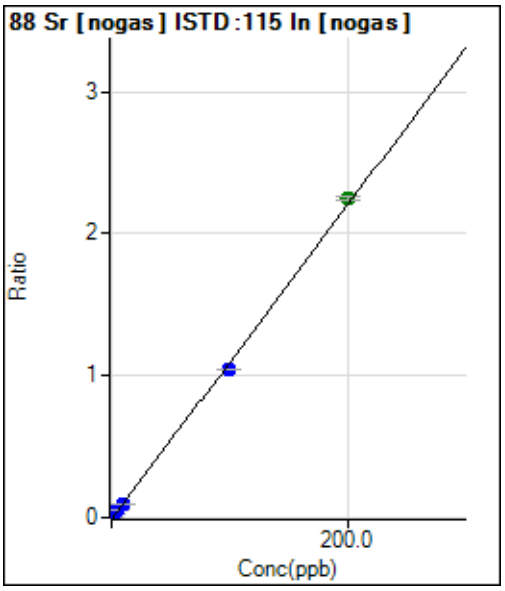


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	300.01	0.0001	P	14.2	
2	☐	2.000	2.313	716.70	0.0003	P	7.1	15.6
3	☐	5.000	4.443	1110.07	0.0005	P	3.4	-11.1
4	☐	10.000	10.332	2173.54	0.0010	P	6.0	3.3
5	☐	100.000	98.454	18211.43	0.0082	P	4.3	-1.5
6	☐	200.000	200.767	36211.28	0.0165	P	2.7	0.4
7	☐	1.000						

y = 8.1627E-005 * x + 1.3485E-004
R = 0.9999
DL = 0.7031 ppb
BEC = 1.652 ppb

Weight: <None>
Min Conc: <None>

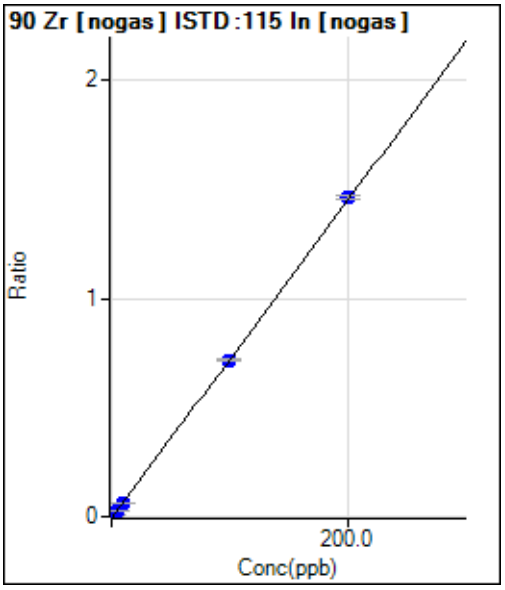
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1680.13	0.0007	P	6.8	
2	☐	2.000	1.844	52182.56	0.0211	P	0.8	-7.8
3	☐	5.000	4.404	123584.92	0.0495	P	1.0	-11.9
4	☐	10.000	9.038	250970.03	0.1008	P	1.1	-9.6
5	☐	100.000	93.986	2582309.70	1.0420	P	0.4	-6.0
6	☐	200.000	203.071	5438029.92	2.2507	A	1.8	1.5
7	☐	1.000						

y = 0.0111 * x + 6.7558E-004
R = 0.9994
DL = 0.0124 ppb
BEC = 0.06097 ppb

Weight: <None>
Min Conc: <None>

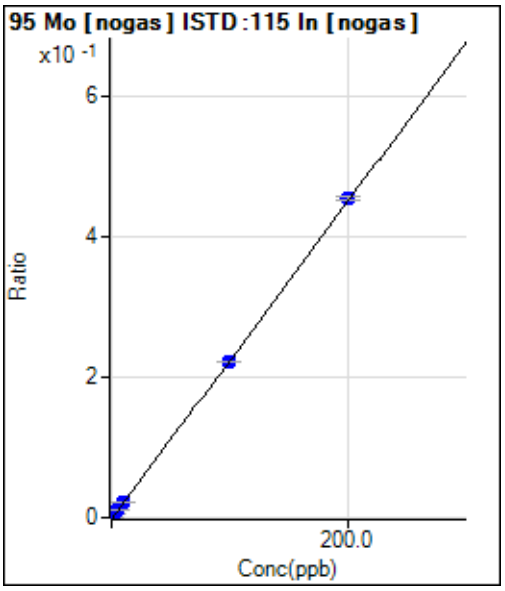


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1213.41	0.0005	P	9.2	
2	☐	2.000	1.375	25949.85	0.0105	P	3.3	-31.3
3	☐	5.000	3.907	72267.48	0.0289	P	1.3	-21.9
4	☐	10.000	8.811	160915.75	0.0646	P	2.6	-11.9
5	☐	100.000	98.419	1776879.03	0.7170	P	0.7	-1.6
6	☐	200.000	200.883	3535339.11	1.4630	P	0.7	0.4
7	☐	1.000						

y = 0.0073 * x + 4.8773E-004
R = 1.0000
DL = 0.01849 ppb
BEC = 0.06699 ppb

Weight: <None>
Min Conc: <None>

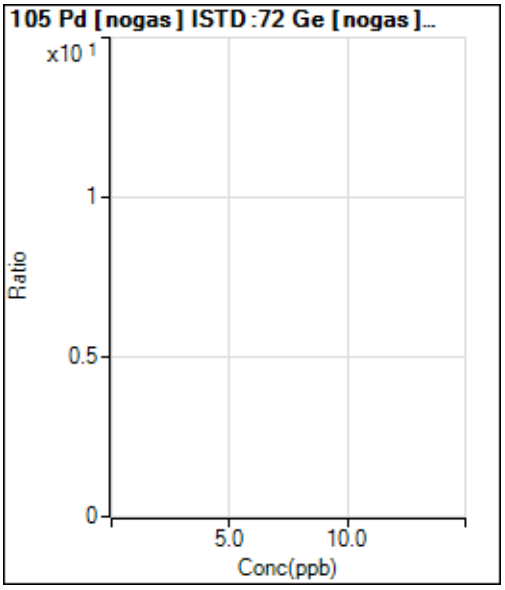
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	246.68	0.0001	P	5.9	
2	☐	2.000	1.891	10827.51	0.0044	P	3.5	-5.5
3	☐	5.000	4.613	26347.39	0.0105	P	1.8	-7.7
4	☐	10.000	9.388	53180.06	0.0214	P	1.5	-6.1
5	☐	100.000	98.025	550458.44	0.2221	P	0.8	-2.0
6	☐	200.000	201.029	1100549.59	0.4554	P	1.5	0.5
7	☐	1.000						

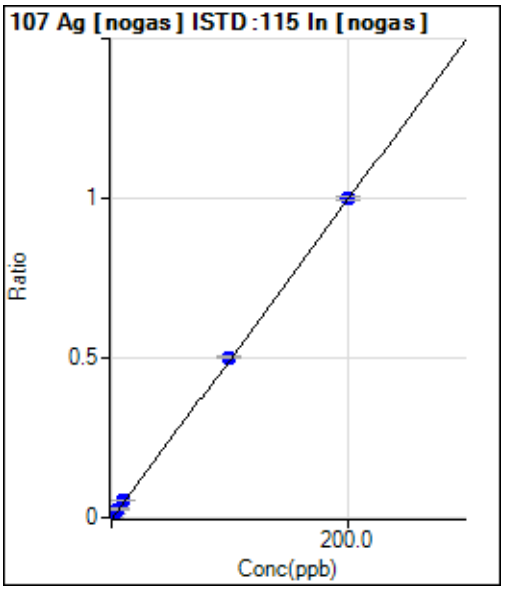
y = 0.0023 * x + 9.9160E-005
R = 0.9999
DL = 0.007706 ppb
BEC = 0.04378 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

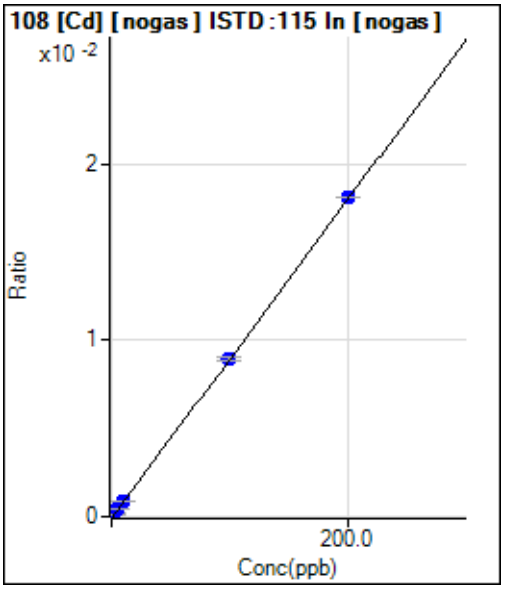
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.33	0.0000	P	33.6	
2	☐	2.000	2.247	27897.08	0.0113	P	0.4	12.3
3	☐	5.000	5.391	67503.10	0.0270	P	1.1	7.8
4	☐	10.000	11.052	137794.48	0.0554	P	1.3	10.5
5	☐	100.000	100.049	1241108.58	0.5008	P	1.1	0.0
6	☐	200.000	199.911	2417802.31	1.0006	P	1.6	0.0
7	☐	1.000						

y = 0.0050 * x + 4.1506E-005
R = 1.0000
DL = 0.008348 ppb
BEC = 0.008293 ppb

Weight: <None>
Min Conc: <None>

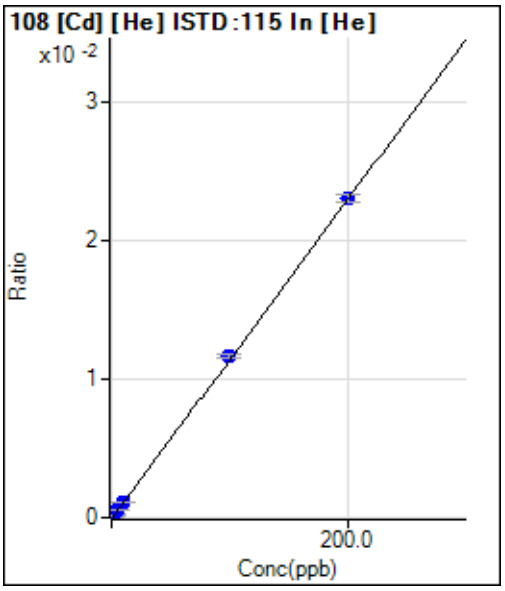


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	1.905	426.68	0.0002	P	18.8	-4.8
3	☐	5.000	4.750	1073.39	0.0004	P	7.4	-5.0
4	☐	10.000	9.885	2226.88	0.0009	P	6.5	-1.2
5	☐	100.000	99.291	22263.97	0.0090	P	2.7	-0.7
6	☐	200.000	200.368	43809.72	0.0181	P	0.6	0.2
7	☐	1.000						

y = 9.0480E-005 * x + 0.0000E+000
R = 1.0000
DL = 0 ppb
BEC = 0 ppb

Weight: <None>
Min Conc: <None>

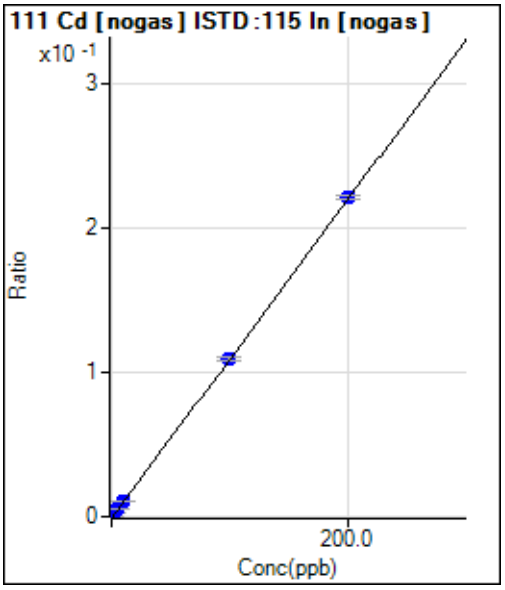
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	1.894	200.01	0.0002	P	34.7	-5.3
3	☐	5.000	4.717	490.02	0.0005	P	16.5	-5.7
4	☐	10.000	9.829	1006.72	0.0011	P	4.3	-1.7
5	☐	100.000	100.592	10203.73	0.0116	P	2.6	0.6
6	☐	200.000	199.721	19917.23	0.0231	P	2.8	-0.1
7	☐	1.000						

y = 1.1541E-004 * x + 3.7167E-006
R = 1.0000
DL = 0.1673 ppb
BEC = 0.0322 ppb

Weight: <None>
Min Conc: <None>

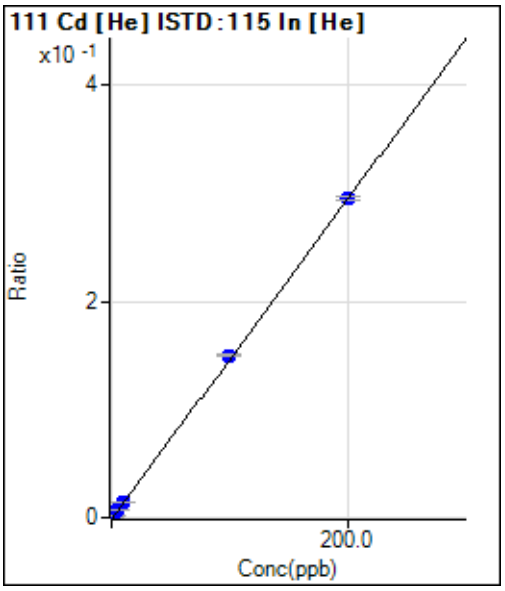


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	1.984	5423.47	0.0022	P	2.6	-0.8
3	☐	5.000	4.626	12775.13	0.0051	P	6.2	-7.5
4	☐	10.000	9.596	26399.63	0.0106	P	1.6	-4.0
5	☐	100.000	99.281	271909.56	0.1097	P	1.8	-0.7
6	☐	200.000	200.389	535223.69	0.2215	P	1.3	0.2
7	☐	1.000						

y = 0.0011 * x + 1.3438E-006
R = 1.0000
DL = 0.006318 ppb
BEC = 0.001216 ppb

Weight: <None>
Min Conc: <None>

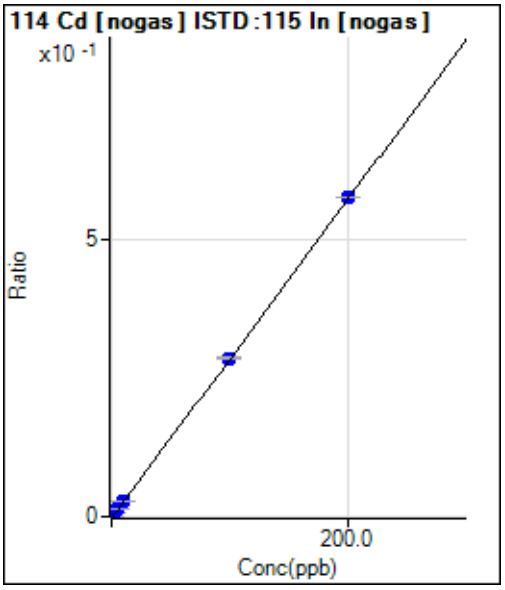
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-3.58	0.0000	P	-173.2	
2	☐	2.000	1.757	2335.67	0.0026	P	0.9	-12.2
3	☐	5.000	4.791	6345.93	0.0071	P	1.5	-4.2
4	☐	10.000	10.008	13116.98	0.0148	P	3.0	0.1
5	☐	100.000	101.132	131663.40	0.1499	P	0.8	1.1
6	☐	200.000	199.441	255317.82	0.2955	P	0.8	-0.3
7	☐	1.000						

y = 0.0015 * x - 3.9880E-006
R = 1.0000
DL = 0.01398 ppb
BEC = -0.002691 ppb

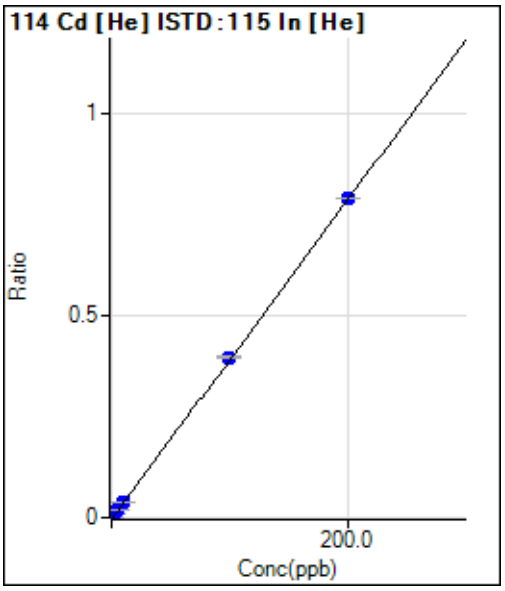
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0000	P	11.1	
2	☐	2.000	2.035	14547.58	0.0059	P	4.9	1.8
3	☐	5.000	4.615	33275.30	0.0133	P	0.6	-7.7
4	☐	10.000	9.751	70006.02	0.0281	P	0.5	-2.5
5	☐	100.000	99.278	709127.20	0.2861	P	1.2	-0.7
6	☐	200.000	200.383	1395668.57	0.5775	P	0.4	0.2
7	☐	1.000						

y = 0.0029 * x + 2.1446E-005
R = 1.0000
DL = 0.002475 ppb
BEC = 0.007441 ppb

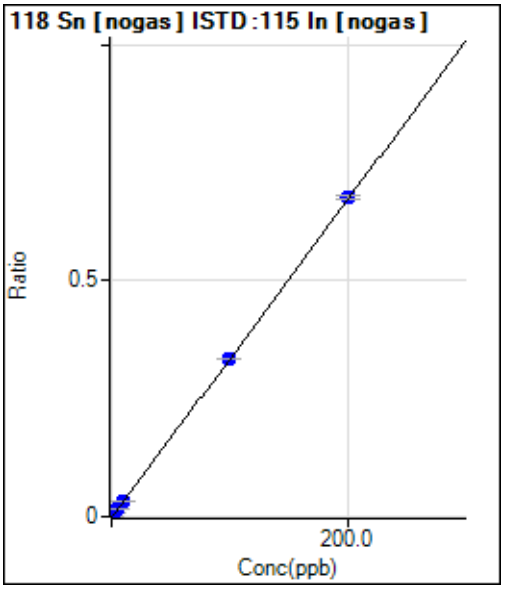
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	88.9	
2	☐	2.000	1.992	7091.88	0.0079	P	2.9	-0.4
3	☐	5.000	4.585	16212.64	0.0181	P	1.5	-8.3
4	☐	10.000	9.735	34023.76	0.0385	P	3.0	-2.7
5	☐	100.000	100.293	347967.26	0.3960	P	0.6	0.3
6	☐	200.000	199.877	681849.00	0.7892	P	0.1	-0.1
7	☐	1.000						

y = 0.0039 * x + 2.6237E-005
R = 1.0000
DL = 0.01772 ppb
BEC = 0.006645 ppb

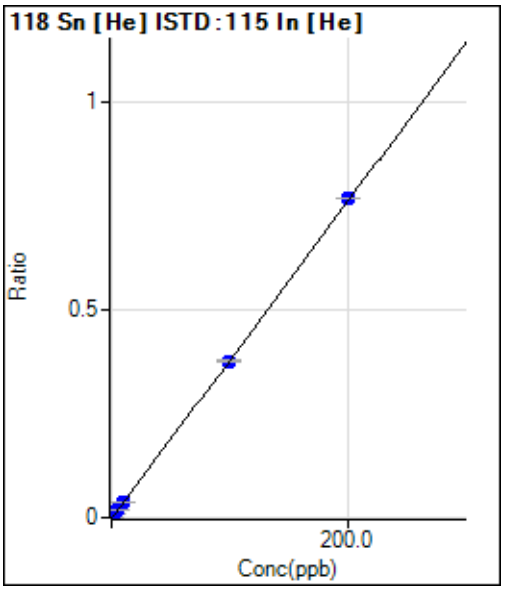
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2473.59	0.0010	P	3.4	
2	☐	2.000	1.898	18275.15	0.0074	P	1.1	-5.1
3	☐	5.000	4.635	41533.49	0.0166	P	2.1	-7.3
4	☐	10.000	9.468	81965.50	0.0329	P	2.5	-5.3
5	☐	100.000	99.064	830398.84	0.3351	P	0.7	-0.9
6	☐	200.000	200.505	1636254.30	0.6772	P	1.5	0.3
7	☐	1.000						

y = 0.0034 * x + 9.9443E-004
R = 1.0000
DL = 0.0304 ppb
BEC = 0.2949 ppb

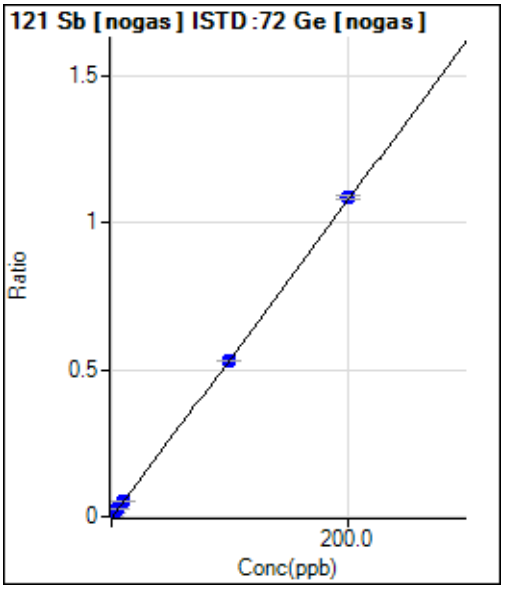
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1070.06	0.0012	P	17.3	
2	☐	2.000	1.767	7155.23	0.0080	P	2.0	-11.6
3	☐	5.000	4.540	16593.16	0.0186	P	3.0	-9.2
4	☐	10.000	9.389	32804.34	0.0371	P	2.3	-6.1
5	☐	100.000	98.148	330509.14	0.3761	P	1.0	-1.9
6	☐	200.000	200.970	664315.88	0.7689	P	0.3	0.5
7	☐	1.000						

y = 0.0038 * x + 0.0012
R = 0.9999
DL = 0.1648 ppb
BEC = 0.3172 ppb

Weight: <None>
Min Conc: <None>

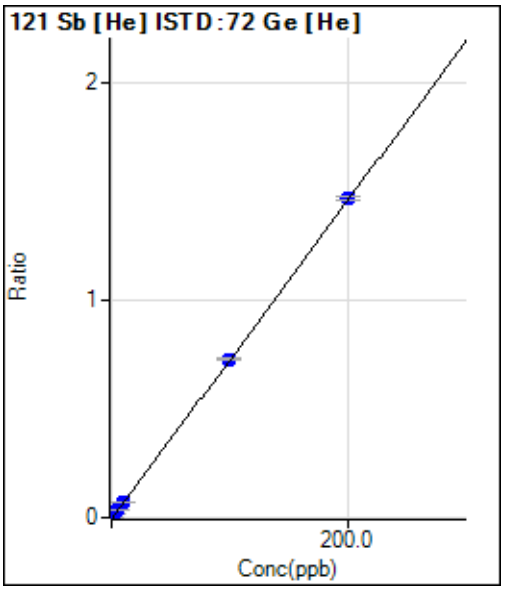


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1003.39	0.0005	P	14.5	
2	☐	2.000	1.891	23643.03	0.0107	P	3.5	-5.5
3	☐	5.000	4.585	56316.94	0.0252	P	0.3	-8.3
4	☐	10.000	9.468	114770.29	0.0517	P	0.8	-5.3
5	☐	100.000	98.013	1182461.91	0.5305	P	0.4	-2.0
6	☐	200.000	201.032	2383498.56	1.0876	P	1.2	0.5
7	☐	1.000						

y = 0.0054 * x + 4.5165E-004
R = 0.9999
DL = 0.03641 ppb
BEC = 0.08352 ppb

Weight: <None>
Min Conc: <None>

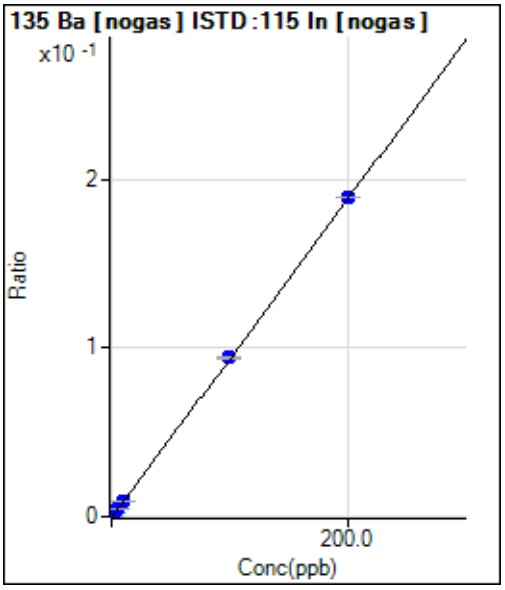
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	463.35	0.0007	P	27.4	
2	☐	2.000	1.925	9413.21	0.0148	P	0.6	-3.8
3	☐	5.000	4.496	21546.37	0.0337	P	0.8	-10.1
4	☐	10.000	9.585	44355.11	0.0709	P	2.7	-4.2
5	☐	100.000	99.357	458594.40	0.7282	P	1.5	-0.6
6	☐	200.000	200.356	918873.58	1.4678	P	0.8	0.2
7	☐	1.000						

y = 0.0073 * x + 7.3241E-004
R = 1.0000
DL = 0.08227 ppb
BEC = 0.1 ppb

Weight: <None>
Min Conc: <None>

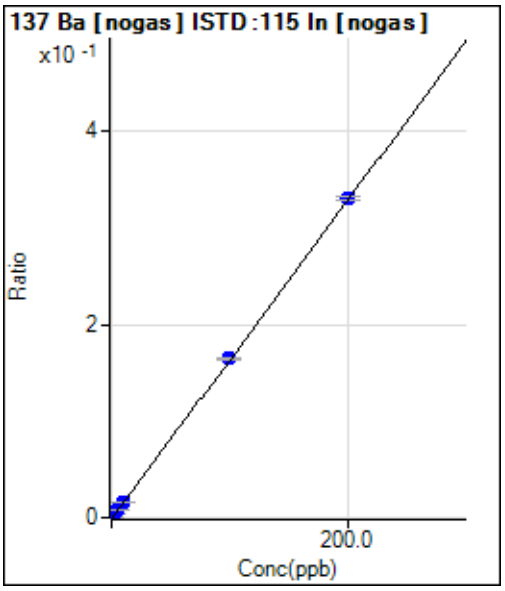


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	283.34	0.0001	P	11.2	
2	☐	2.000	1.925	4784.24	0.0019	P	3.8	-3.7
3	☐	5.000	4.626	11221.25	0.0045	P	5.1	-7.5
4	☐	10.000	9.583	22862.00	0.0092	P	1.7	-4.2
5	☐	100.000	99.728	234180.56	0.0945	P	0.8	-0.3
6	☐	200.000	200.167	458059.88	0.1896	P	0.3	0.1
7	☐	1.000						

y = 9.4640E-004 * x + 1.1395E-004
R = 1.0000
DL = 0.04042 ppb
BEC = 0.1204 ppb

Weight: <None>
Min Conc: <None>

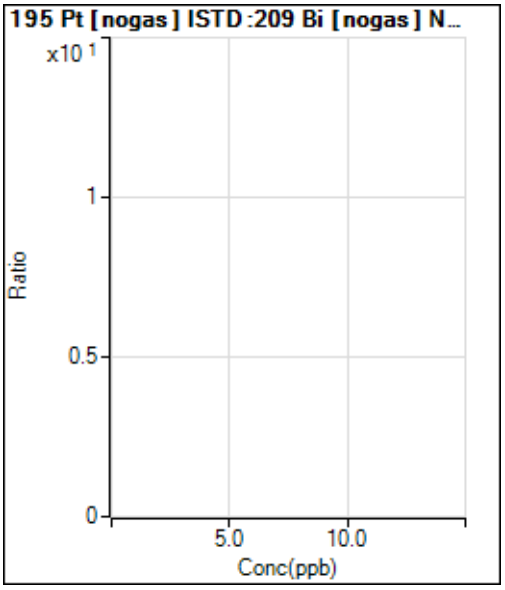
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	426.68	0.0002	P	12.5	
2	☐	2.000	2.044	8759.53	0.0035	P	4.4	2.2
3	☐	5.000	4.710	19844.13	0.0079	P	1.4	-5.8
4	☐	10.000	9.558	39695.72	0.0159	P	2.9	-4.4
5	☐	100.000	99.559	407610.66	0.1645	P	1.8	-0.4
6	☐	200.000	200.250	799042.54	0.3306	P	0.9	0.1
7	☐	1.000						

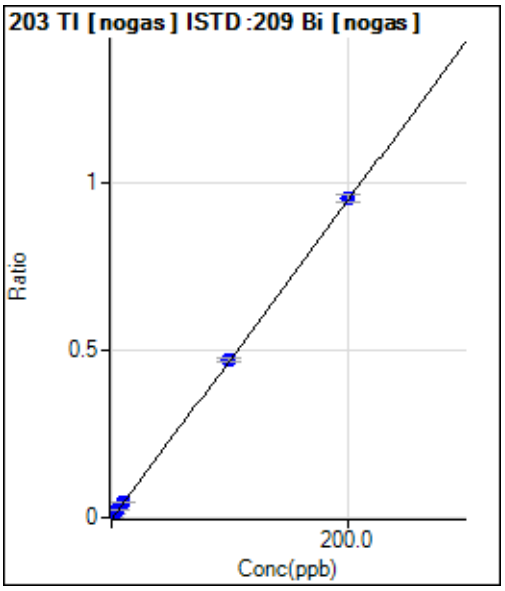
y = 0.0017 * x + 1.7149E-004
R = 1.0000
DL = 0.03906 ppb
BEC = 0.1039 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

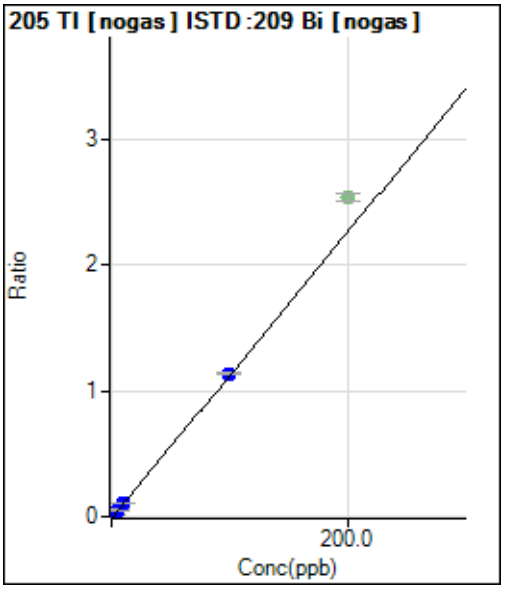
Calibration for 223_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0000	P	27.4	
2	☐	2.000	1.920	21206.71	0.0092	P	1.2	-4.0
3	☐	5.000	4.591	51035.50	0.0219	P	3.4	-8.2
4	☐	10.000	9.532	106233.69	0.0454	P	1.9	-4.7
5	☐	100.000	98.965	1091693.29	0.4706	P	1.6	-1.0
6	☐	200.000	200.552	2144746.27	0.9537	P	2.5	0.3
7	☐	1.000						

y = 0.0048 * x + 4.0501E-005
R = 1.0000
DL = 0.006994 ppb
BEC = 0.008518 ppb

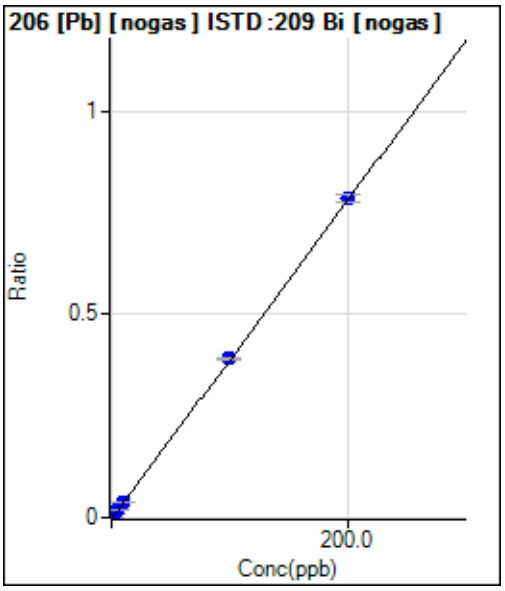
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	163.34	0.0001	P	49.6	
2	☐	2.000	1.926	50881.91	0.0220	P	4.8	-3.7
3	☐	5.000	4.678	124578.33	0.0534	P	3.4	-6.4
4	☐	10.000	9.569	255543.50	0.1091	P	3.2	-4.3
5	☐	100.000	100.061	2645703.71	1.1406	P	2.0	0.1
6	☑	200.000		5719008.87	2.5429	A	2.3	
7	☐	1.000						

y = 0.0114 * x + 7.0500E-005
R = 1.0000
DL = 0.009204 ppb
BEC = 0.006185 ppb

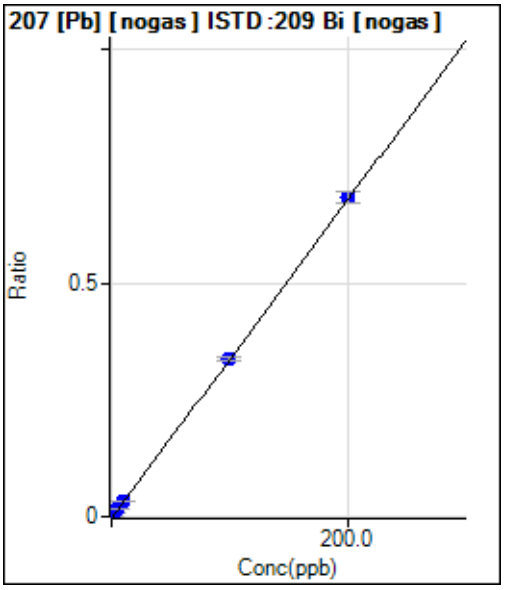
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	243.34	0.0001	P	7.9	
2	☐	2.000	1.921	17688.45	0.0076	P	2.6	-3.9
3	☐	5.000	4.740	43670.18	0.0187	P	4.4	-5.2
4	☐	10.000	9.734	89754.29	0.0383	P	1.2	-2.7
5	☐	100.000	99.660	907964.13	0.3914	P	1.5	-0.3
6	☐	200.000	200.191	1768067.68	0.7862	P	2.7	0.1
7	☐	1.000						

y = 0.0039 * x + 1.0545E-004
R = 1.0000
DL = 0.006393 ppb
BEC = 0.02686 ppb

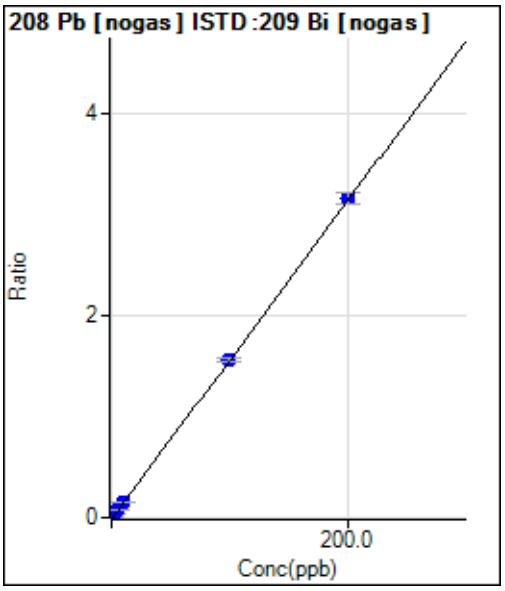
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	193.34	0.0001	P	5.4	
2	☐	2.000	1.898	15148.60	0.0066	P	6.6	-5.1
3	☐	5.000	4.546	36372.21	0.0156	P	3.7	-9.1
4	☐	10.000	9.496	76041.57	0.0325	P	3.0	-5.0
5	☐	100.000	98.872	782448.01	0.3373	P	1.7	-1.1
6	☐	200.000	200.601	1538915.08	0.6843	P	3.4	0.3
7	☐	1.000						

y = 0.0034 * x + 8.3808E-005
R = 1.0000
DL = 0.003992 ppb
BEC = 0.02457 ppb

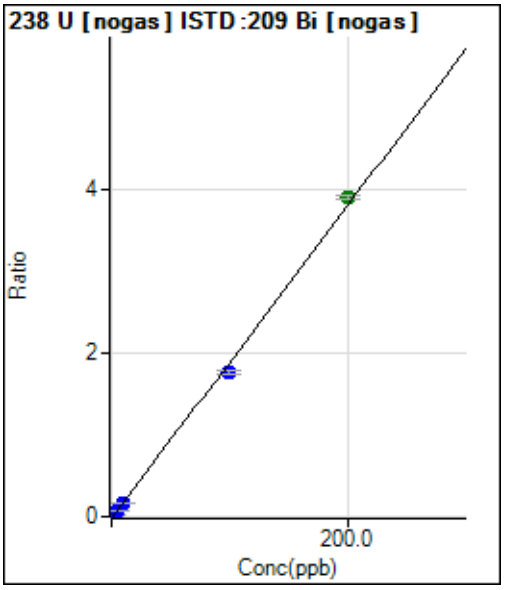
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	873.37	0.0004	P	5.8	
2	☐	2.000	1.915	70780.19	0.0306	P	4.6	-4.2
3	☐	5.000	4.616	170987.85	0.0733	P	3.7	-7.7
4	☐	10.000	9.553	354195.73	0.1513	P	2.3	-4.5
5	☐	100.000	99.132	3632817.52	1.5661	P	1.9	-0.9
6	☐	200.000	200.467	7121595.52	3.1666	P	3.2	0.2
7	☐	1.000						

y = 0.0158 * x + 3.7848E-004
R = 1.0000
DL = 0.004161 ppb
BEC = 0.02396 ppb

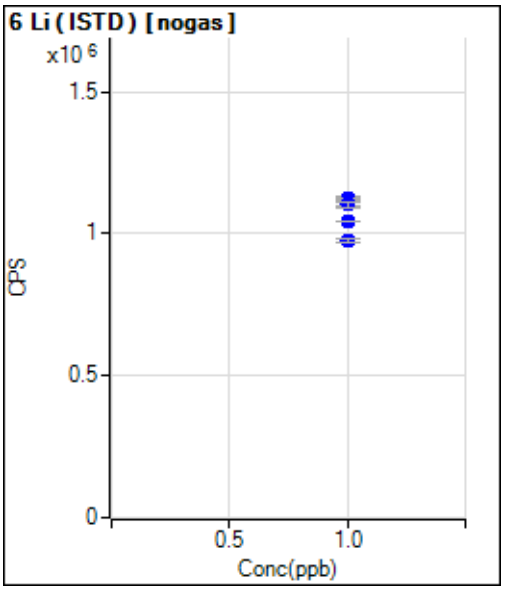
Weight: <None>
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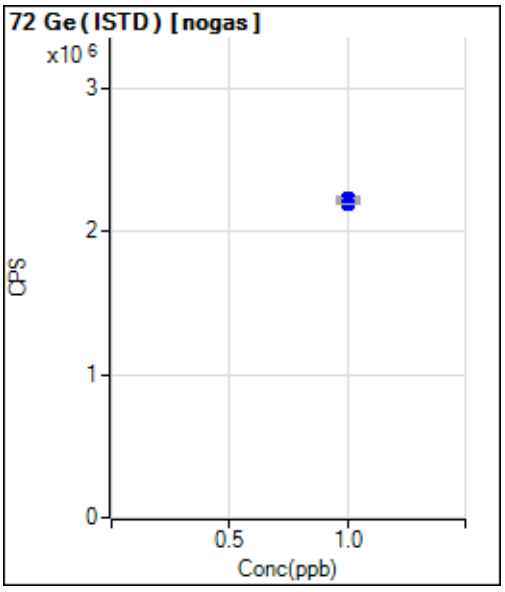
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	363.34	0.0002	P	20.1	
2	☐	2.000	1.743	77262.82	0.0334	P	5.4	-12.9
3	☐	5.000	4.186	186933.62	0.0801	P	2.9	-16.3
4	☐	10.000	8.594	384672.94	0.1643	P	1.4	-14.1
5	☐	100.000	91.817	4067539.52	1.7535	P	2.4	-8.2
6	☐	200.000	204.185	8770936.74	3.8994	A	0.7	2.1
7	☐	1.000						

y = 0.0191 * x + 1.5824E-004
R = 0.9989
DL = 0.005007 ppb
BEC = 0.008286 ppb

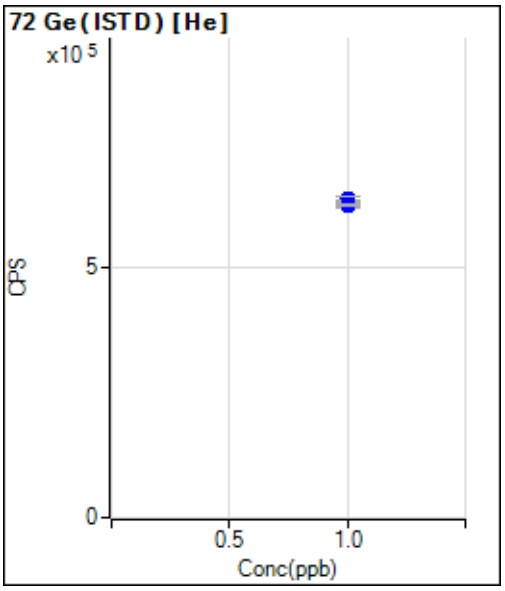
Weight: <None>
Min Conc: <None>



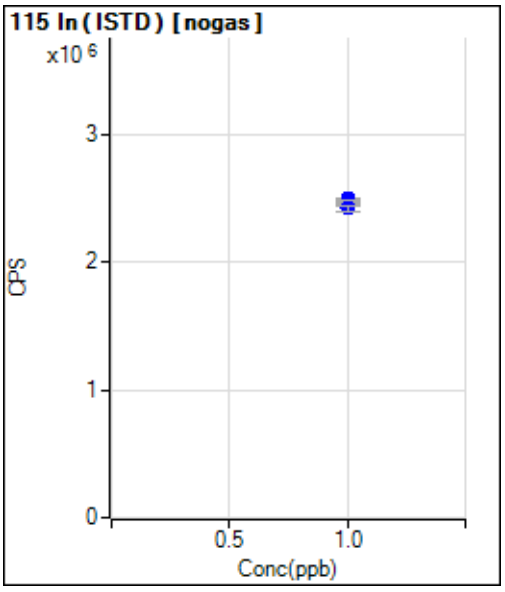
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1125226.07		P	0.8	
2	☐	1.000		1118916.05		P	0.6	
3	☐	1.000		1105343.47		P	0.8	
4	☐	1.000		1104237.37		P	1.8	
5	☐	1.000		1045724.49		P	0.2	
6	☐	1.000		975026.13		P	1.2	
7	☐	1.000						



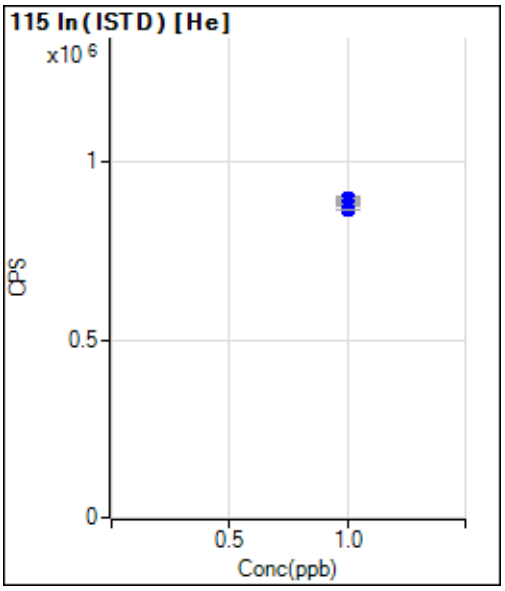
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2222434.71		P	1.2	
2	☐	1.000		2214779.39		P	0.7	
3	☐	1.000		2230836.63		P	1.2	
4	☐	1.000		2221965.18		P	1.4	
5	☐	1.000		2228956.37		P	0.6	
6	☐	1.000		2191471.79		P	0.3	
7	☐	1.000						



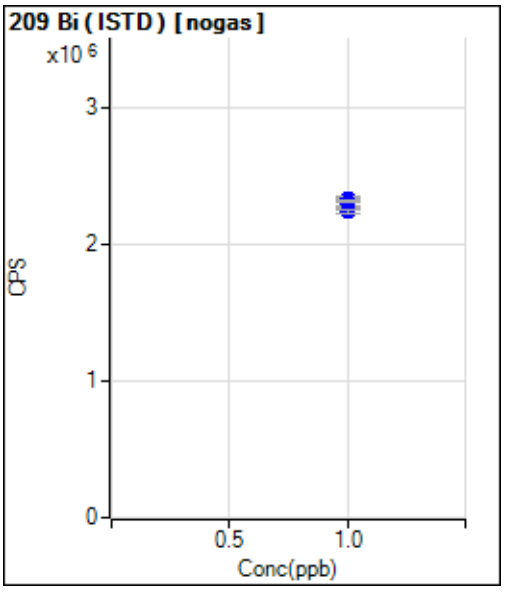
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		633161.91		P	1.0	
2	☐	1.000		634847.59		P	0.2	
3	☐	1.000		640223.40		P	1.4	
4	☐	1.000		625594.42		P	1.2	
5	☐	1.000		629744.72		P	0.3	
6	☐	1.000		626039.09		P	0.2	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2487358.46		P	0.5	
2	☐	1.000		2471900.52		P	1.2	
3	☐	1.000		2497859.23		P	0.5	
4	☐	1.000		2489183.28		P	0.9	
5	☐	1.000		2478221.04		P	0.8	
6	☐	1.000		2416582.25		P	1.4	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		884304.36		P	1.2	
2	☐	1.000		898541.86		P	0.8	
3	☐	1.000		894364.17		P	0.5	
4	☐	1.000		884640.49		P	0.5	
5	☐	1.000		878641.58		P	0.5	
6	☐	1.000		863935.79		P	0.1	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2305145.54		P	3.0	
2	☐	1.000		2312630.49		P	2.6	
3	☐	1.000		2334614.86		P	2.1	
4	☐	1.000		2342063.82		P	1.4	
5	☐	1.000		2319777.26		P	0.6	
6	☐	1.000		2249351.11		P	1.3	
7	☐	1.000						

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLCCV2
Data File Name	225LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:29:18-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	1.757	3.533	10707	3.66	2	87.8	70	120	
B	11	1	nogas	13.903	3.698	135814	1.23	10	139.0	70	120	NewName Main CR1 Failed
Al	27	1	nogas	1.041	8.399	108175	0.43	2	52.0	70	120	NewName Main CR1 Failed
P	31	1	nogas	31.570	58.891	46905	2.78	10	315.7	70	120	NewName Main CR1 Failed
Ti	47	1	nogas	2.002	4.568	3284	2.93	2	100.1	70	120	
Ni	60	1	nogas	1.982	4.123	9520	4.18	2	99.1	70	120	
Cu	63	1	nogas	2.029	1.649	22434	3.00	2	101.4	70	120	
Zn	66	1	nogas	2.172	7.810	9493	6.64	2	108.6	70	120	
Se	77	1	nogas	-7.871	-14.521	3284	4.20	2	-393.5	70	120	NewName Main CR1 Failed
Se	82	1	nogas	2.491	5.662	747	3.37	2	124.5	70	120	NewName Main CR1 Failed
Sr	88	1	nogas	1.866	0.835	52674	0.91	2	93.3	70	120	
Mo	95	1	nogas	2.024	0.990	11555	1.39	2	101.2	70	120	
Ag	107	1	nogas	2.287	2.699	28348	3.10	2	114.4	70	120	
Cd	111	1	nogas	1.953	3.528	5327	3.04	2	97.6	70	120	
Sn	118	1	nogas	2.184	1.245	20628	1.54	2	109.2	70	120	
Sb	121	1	nogas	2.160	2.615	26789	1.22	2	108.0	70	120	
Ba	137	1	nogas	1.975	2.101	8466	2.62	2	98.8	70	120	
Tl	205	1	nogas	1.781	2.864	51571	1.11	2	89.0	70	120	
Pb	208	1	nogas	1.915	2.784	71013	1.01	2	95.7	70	120	
[Pb]	206	1	nogas	1.933	2.863	17852	1.49	2	96.7	70	120	
[Pb]	207	1	nogas	1.933	3.458	15482	1.92	2	96.6	70	120	
U	238	1	nogas	1.734	3.809	77145	1.98	2	86.7	70	120	
Li	7	1	nogas	1.813	4.130	109849	1.13	2	90.6	70	120	
Ba	135	1	nogas	1.980	5.520	4904	4.49	2	99.0	70	120	
Tl	203	1	nogas	1.912	1.234	21180	1.31	2	95.6	70	120	
Na	23	2	He	145.579	1.576	594135	0.32	200	72.8	70	120	
Mg	24	2	He	188.384	0.405	192924	0.40	200	94.2	70	120	
Al	27	2	He	0.363	47.153	3651	3.01	2	18.1	70	120	NewName Main CR1 Failed
K	39	2	He	187.141	0.803	281247	0.45	200	93.6	70	120	
Ca	43	2	He	145.026	24.426	460	21.41	200	72.5	70	120	
Ca	44	2	He	200.435	5.046	10771	3.96	200	100.2	70	120	
V	51	2	He	1.944	5.138	14128	4.43	2	97.2	70	120	
Cr	52	2	He	1.847	7.044	21552	4.25	2	92.4	70	120	
Mn	55	2	He	1.977	3.608	10504	3.16	2	98.9	70	120	
Fe	56	2	He	184.854	0.664	1203961	0.25	200	92.4	70	120	
Co	59	2	He	1.951	1.340	17697	0.82	2	97.5	70	120	
Ni	60	2	He	2.046	5.897	4924	6.06	2	102.3	70	120	
Cu	63	2	He	1.974	1.765	11962	1.43	2	98.7	70	120	
Zn	66	2	He	2.157	4.827	3654	3.99	2	107.9	70	120	
As	75	2	He	1.948	3.156	1951	2.65	2	97.4	70	120	
Se	77	2	He	2.049	50.799	87	29.04	2	102.4	70	120	
Sb	121	2	He	2.148	2.160	10511	2.62	2	107.4	70	120	
Se	78	2	He	1.867	11.201	229	7.54	2	93.4	70	120	
Ti	47	2	He	1.799	9.873	490	8.90	2	89.9	70	120	
Zr	90	1	nogas	1.506	2.011	28258	2.55	2	75.3	70	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2208305	1.45	2222435	99.36	70	120	
In	115	1	nogas	2467210	0.73	2487358	99.19	70	120	
Li	6	1	nogas	1093174	0.32	1125226	97.15	70	120	
Bi	209	1	nogas	2320138	2.08	2305146	100.65	70	120	
Ge	72	2	He	638485	0.57	633162	100.84	70	120	
In	115	2	He	889881	1.22	884304	100.63	70	120	

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLCCV5
Data File Name	226LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:31:28-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	4.306	1.264	26230	0.60	5	86.1	70	130	
B	11	1	nogas	26.235	2.838	186309	0.98	25	104.9	70	130	
Al	27	1	nogas	4.493	3.678	163386	1.79	5	89.9	70	130	
P	31	1	nogas	44.283	2.764	48594	0.25	25	177.1	70	130	NewName Main CR1 Failed
Ti	47	1	nogas	4.803	4.507	7679	4.83	5	96.1	70	130	
Ni	60	1	nogas	4.845	1.318	22167	1.49	5	96.9	70	130	
Cu	63	1	nogas	4.872	1.158	52171	0.83	5	97.4	70	130	
Zn	66	1	nogas	5.224	2.070	19490	1.90	5	104.5	70	130	
Se	77	1	nogas	-2.536	-55.671	4047	4.48	5	-50.7	70	130	NewName Main CR1 Failed
Se	82	1	nogas	4.388	15.091	1097	10.49	5	87.8	70	130	
Sr	88	1	nogas	4.425	1.323	123403	1.58	5	88.5	70	130	
Mo	95	1	nogas	4.646	3.691	26371	3.37	5	92.9	70	130	
Ag	107	1	nogas	5.444	1.694	67751	1.25	5	108.9	70	130	
Cd	111	1	nogas	4.590	2.321	12597	1.86	5	91.8	70	130	
Sn	118	1	nogas	4.876	4.126	43292	3.59	5	97.5	70	130	
Sb	121	1	nogas	4.719	0.410	57796	0.88	5	94.4	70	130	
Ba	137	1	nogas	4.737	2.194	19837	2.36	5	94.7	70	130	
Tl	205	1	nogas	4.294	4.404	124658	2.22	5	85.9	70	130	
Pb	208	1	nogas	4.643	3.261	171710	0.83	5	92.9	70	130	
U	238	1	nogas	4.174	3.441	186044	1.02	5	83.5	70	130	
Li	7	1	nogas	4.329	2.438	155015	0.53	5	86.6	70	130	
Na	23	2	He	416.659	2.185	1084522	1.01	500	83.3	70	130	
Mg	24	2	He	455.194	1.216	463056	0.83	500	91.0	70	130	
Al	27	2	He	4.419	12.768	5978	4.44	5	88.4	70	130	
K	39	2	He	447.300	1.420	545875	0.71	500	89.5	70	130	
Ca	43	2	He	457.401	16.630	1313	16.37	500	91.5	70	130	
Ca	44	2	He	467.085	1.227	22757	0.91	500	93.4	70	130	
V	51	2	He	4.471	2.719	29562	1.09	5	89.4	70	130	
Cr	52	2	He	4.641	3.198	40708	1.06	5	92.8	70	130	
Mn	55	2	He	4.865	1.966	24847	1.04	5	97.3	70	130	
Fe	56	2	He	452.620	1.546	2917473	0.27	500	90.5	70	130	
Co	59	2	He	4.804	2.254	43507	2.53	5	96.1	70	130	
Ni	60	2	He	4.863	3.710	11291	4.57	5	97.3	70	130	
Cu	63	2	He	4.963	1.167	29142	2.41	5	99.3	70	130	
Zn	66	2	He	5.287	6.665	7519	6.66	5	105.7	70	130	
As	75	2	He	4.660	2.412	4424	3.15	5	93.2	70	130	
Sb	121	2	He	4.778	1.954	22808	0.59	5	95.6	70	130	
Se	78	2	He	4.786	8.647	467	8.66	5	95.7	70	130	
Ti	47	2	He	4.590	9.723	1203	8.53	5	91.8	70	130	
Zr	90	1	nogas	3.978	2.675	73111	2.25	5	79.6	70	130	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2225198	0.48	2222435	100.12	70	120	
In	115	1	nogas	2482952	0.50	2487358	99.82	70	120	
Li	6	1	nogas	1097052	0.68	1125226	97.50	70	120	
Bi	209	1	nogas	2330545	2.46	2305146	101.10	70	120	
Ge	72	2	He	638646	1.44	633162	100.87	70	120	
In	115	2	He	896194	1.23	884304	101.34	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICCB
Data File Name	227_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T18:33:37-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Sb	121	1	nogas	0.179	10.3	3180	7.2	2	
V	51	2	He	-0.177	-19.0	1175	17.8	2.5	
Sb	121	2	He	0.137	11.8	1107	7.3	2	
V	51	1	nogas	0.016	731.0	708	390.4	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2243536	0.54	2222435	100.95	70	120	
In	115	1	nogas	2519618	0.71	2487358	101.30	70	120	
Li	6	1	nogas	1130797	0.59	1125226	100.50	70	120	
Bi	209	1	nogas	2298698	2.04	2305146	99.72	70	120	
Ge	72	2	He	637466	0.54	633162	100.68	70	120	
In	115	2	He	906713	0.14	884304	102.53	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	266_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T20:00:29-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	91.236	0.769	533435	1.48	100	91.2	90	110	
B	11	1	nogas	447.452	2.006	1823880	3.36	500	89.5	90	110	CCV Main CR1-2 Failed
Al	27	1	nogas	99.606	0.340	1676990	3.07	100	99.6	90	110	
P	31	1	nogas	1505.026	0.877	201263	2.24	500	301.0	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	98.481	1.393	155262	3.92	100	98.5	90	110	
Ni	60	1	nogas	98.214	0.590	436188	2.65	100	98.2	90	110	
Cu	63	1	nogas	98.011	1.120	1030479	2.63	100	98.0	90	110	
Zn	66	1	nogas	96.564	1.039	319659	3.45	100	96.6	90	110	
Se	77	1	nogas	99.468	6.152	18318	2.07	100	99.5	90	110	
Se	82	1	nogas	95.038	1.487	17724	1.61	100	95.0	90	110	
Sr	88	1	nogas	93.087	0.438	2566738	2.61	100	93.1	90	110	
Mo	95	1	nogas	94.917	0.824	535016	3.62	100	94.9	90	110	
Ag	107	1	nogas	104.478	0.873	1300903	3.89	100	104.5	90	110	
Cd	111	1	nogas	97.264	0.820	267352	2.91	100	97.3	90	110	
Sn	118	1	nogas	97.220	0.434	817990	3.36	100	97.2	90	110	
Sb	121	1	nogas	96.720	0.247	1175934	2.90	100	96.7	90	110	
Ba	137	1	nogas	97.381	1.946	400024	1.99	100	97.4	90	110	
Tl	205	1	nogas	90.856	4.742	2602668	3.56	100	90.9	90	110	
Pb	208	1	nogas	96.878	3.842	3522158	2.87	100	96.9	90	110	
U	238	1	nogas	91.058	3.893	4001975	2.74	100	91.1	90	110	
Li	7	1	nogas	92.040	1.186	1651200	1.35	100	92.0	90	110	
Ba	135	1	nogas	97.739	1.120	230302	1.97	100	97.7	90	110	
Tl	203	1	nogas	98.261	4.483	1075254	3.31	100	98.3	90	110	
Na	23	2	He	9757.065	1.773	17950963	1.32	10000	97.6	90	110	
Mg	24	2	He	9770.096	1.289	9877695	0.61	10000	97.7	90	110	
Al	27	2	He	101.146	1.374	61420	1.45	100	101.1	90	110	
K	39	2	He	9897.656	2.242	10141208	1.74	10000	99.0	90	110	
Ca	43	2	He	9963.384	1.174	27218	0.60	10000	99.6	90	110	
Ca	44	2	He	9749.158	1.239	439249	0.88	10000	97.5	90	110	
V	51	2	He	97.932	1.422	599452	0.94	100	97.9	90	110	
Cr	52	2	He	98.833	1.077	685679	1.41	100	98.8	90	110	
Mn	55	2	He	100.033	1.341	496757	1.20	100	100.0	90	110	
Fe	56	2	He	10175.046	0.644	65034472	0.46	10000	101.8	90	110	
Co	59	2	He	99.832	1.706	901488	0.89	100	99.8	90	110	
Ni	60	2	He	100.169	1.270	226241	0.84	100	100.2	90	110	
Cu	63	2	He	98.676	0.973	566676	0.23	100	98.7	90	110	
Zn	66	2	He	98.350	0.304	122162	0.78	100	98.4	90	110	
As	75	2	He	98.037	1.855	89385	1.08	100	98.0	90	110	
Sb	121	2	He	98.830	1.856	461855	1.03	100	98.8	90	110	
Se	78	2	He	98.389	2.660	8074	2.32	100	98.4	90	110	
Ti	47	2	He	99.343	5.252	25395	4.83	100	99.3	90	110	
Zr	90	1	nogas	81.944	0.764	1485255	3.73	100	81.9	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2246243	2.81	2222435	101.07	70	120	
In	115	1	nogas	2487228	3.03	2487358	99.99	70	120	
Li	6	1	nogas	1055787	1.62	1125226	93.83	70	120	
Bi	209	1	nogas	2302011	1.40	2305146	99.86	70	120	
Ge	72	2	He	637656	0.96	633162	100.71	70	120	
In	115	2	He	901317	0.84	884304	101.92	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	267_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T20:02:43-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.053	1.0	413	1.8	2.5	
B	11	1	nogas	11.847	8.1	134933	1.8	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-0.857	-16.2	82496	3.1	5	
P	31	1	nogas	3.492	79.8	46270	0.7	2.5	CCB Main CR1 Failed
Ti	47	1	nogas	0.206	58.1	530	36.4	2.5	
Ni	60	1	nogas	0.032	44.3	1077	5.7	2.5	
Cu	63	1	nogas	0.060	24.9	2214	7.2	5	
Zn	66	1	nogas	0.545	9.9	4451	4.5	2.5	
Se	77	1	nogas	-12.145	-14.5	2834	8.9	2.5	
Se	82	1	nogas	0.178	70.8	347	7.3	5	
Sr	88	1	nogas	0.062	20.5	3494	10.2	2.5	
Mo	95	1	nogas	0.541	31.5	3394	29.3	2.5	
Ag	107	1	nogas	0.073	10.0	1037	9.2	2.5	
Cd	111	1	nogas	0.043	8.7	126	8.6	2.5	
Sn	118	1	nogas	0.753	12.6	9063	9.2	2.5	
Sb	121	1	nogas	0.743	11.1	10367	9.6	2	
Ba	137	1	nogas	0.024	114.7	540	21.4	2.5	
Tl	205	1	nogas	0.366	54.3	11046	55.4	2.5	
Pb	208	1	nogas	0.071	8.1	3577	7.8	2.5	
U	238	1	nogas	0.077	26.3	3877	25.7	2.5	
Na	23	2	He	-28.937	-6.3	282789	0.2	100	
Mg	24	2	He	4.707	8.4	7122	6.2	100	
Al	27	2	He	-0.797	-22.6	3030	3.8	5	
K	39	2	He	-1.005	-139.2	91302	1.0	100	
Ca	43	2	He	3.002	297.3	73	34.3	100	
Ca	44	2	He	-8.525	-22.6	1403	6.7	100	
V	51	2	He	-0.113	-81.2	1596	36.3	2.5	
Cr	52	2	He	-0.425	-6.2	6065	3.5	2.5	
Mn	55	2	He	0.107	6.7	1237	2.8	2.5	
Fe	56	2	He	6.691	9.8	65071	6.5	100	
Co	59	2	He	0.060	4.9	607	3.8	2.5	
Ni	60	2	He	0.086	24.5	503	9.2	2.5	
Cu	63	2	He	0.065	39.8	1013	14.2	5	
Zn	66	2	He	0.524	6.2	1663	1.5	2.5	
As	75	2	He	0.056	91.7	230	19.9	2.5	
Sb	121	2	He	0.536	2.4	3020	1.5	2	
Se	78	2	He	0.294	83.0	102	18.7	5	
Ti	47	2	He	0.023	516.6	37	83.3	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2319832	0.44	2222435	104.38	70	120	
In	115	1	nogas	2563196	0.23	2487358	103.05	70	120	
Li	6	1	nogas	1157126	1.27	1125226	102.83	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2373911	1.81	2305146	102.98	70	120	
Ge	72	2	He	648244	0.96	633162	102.38	70	120	
In	115	2	He	917799	0.35	884304	103.79	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	276_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T21:05:56-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	92.676	0.945	557488	0.55	100	92.7	90	110	
B	11	1	nogas	466.824	2.143	1953857	1.61	500	93.4	90	110	
Al	27	1	nogas	106.396	2.157	1836344	3.23	100	106.4	90	110	
P	31	1	nogas	1273.870	2.695	182249	0.88	500	254.8	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	100.148	1.455	162368	0.40	100	100.1	90	110	
Ni	60	1	nogas	100.989	1.306	461324	0.54	100	101.0	90	110	
Cu	63	1	nogas	100.643	1.285	1088531	1.63	100	100.6	90	110	
Zn	66	1	nogas	99.015	0.581	337061	0.69	100	99.0	90	110	
Se	77	1	nogas	111.362	1.981	20568	1.75	100	111.4	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	99.557	2.374	19086	1.17	100	99.6	90	110	
Sr	88	1	nogas	93.638	0.561	2621363	0.31	100	93.6	90	110	
Mo	95	1	nogas	97.497	0.878	557842	0.67	100	97.5	90	110	
Ag	107	1	nogas	107.764	1.075	1361961	0.91	100	107.8	90	110	
Cd	111	1	nogas	97.328	1.347	271603	1.11	100	97.3	90	110	
Sn	118	1	nogas	98.113	1.427	837958	1.18	100	98.1	90	110	
Sb	121	1	nogas	96.296	1.048	1204284	0.94	100	96.3	90	110	
Ba	137	1	nogas	98.812	1.422	412185	1.18	100	98.8	90	110	
Tl	205	1	nogas	89.015	3.938	2609425	1.50	100	89.0	90	110	CCV Main CR1-2 Failed
Pb	208	1	nogas	95.813	3.922	3564332	1.39	100	95.8	90	110	
U	238	1	nogas	89.252	3.680	4013976	1.19	100	89.3	90	110	CCV Main CR1-2 Failed
Li	7	1	nogas	94.338	0.427	1739453	0.76	100	94.3	90	110	
Ba	135	1	nogas	99.471	2.370	237984	2.12	100	99.5	90	110	
Tl	203	1	nogas	97.070	4.262	1086913	1.77	100	97.1	90	110	
Na	23	2	He	9965.626	1.823	18587670	1.24	10000	99.7	90	110	
Mg	24	2	He	9936.833	1.411	10189652	1.68	10000	99.4	90	110	
Al	27	2	He	103.565	1.359	63695	0.58	100	103.6	90	110	
K	39	2	He	10186.292	1.840	10583946	2.33	10000	101.9	90	110	
Ca	43	2	He	9787.829	0.532	27121	1.14	10000	97.9	90	110	
Ca	44	2	He	10036.024	1.191	458549	0.97	10000	100.4	90	110	
V	51	2	He	99.383	0.643	616961	0.44	100	99.4	90	110	
Cr	52	2	He	100.400	0.946	706278	0.83	100	100.4	90	110	
Mn	55	2	He	100.141	1.116	504357	0.94	100	100.1	90	110	
Fe	56	2	He	10071.554	0.470	65289074	0.84	10000	100.7	90	110	
Co	59	2	He	99.976	0.438	915703	1.02	100	100.0	90	110	
Ni	60	2	He	100.694	0.635	230660	0.50	100	100.7	90	110	
Cu	63	2	He	100.255	0.652	583935	0.70	100	100.3	90	110	
Zn	66	2	He	99.394	1.309	125197	1.03	100	99.4	90	110	
As	75	2	He	99.291	0.467	91822	1.07	100	99.3	90	110	
Sb	121	2	He	98.424	0.879	466520	0.39	100	98.4	90	110	
Se	78	2	He	99.206	1.366	8256	0.61	100	99.2	90	110	
Ti	47	2	He	99.018	0.653	25676	1.00	100	99.0	90	110	
Zr	90	1	nogas	86.868	1.638	1598127	1.51	100	86.9	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2310674	1.18	2222435	103.97	70	120	
In	115	1	nogas	2525044	0.25	2487358	101.52	70	120	
Li	6	1	nogas	1086242	0.50	1125226	96.54	70	120	
Bi	209	1	nogas	2356357	2.59	2305146	102.22	70	120	
Ge	72	2	He	646706	0.75	633162	102.14	70	120	
In	115	2	He	895623	1.32	884304	101.28	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	277_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T21:08:33-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.029	29.3	257	20.6	2.5	
B	11	1	nogas	19.790	5.9	167922	3.3	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.476	-4.2	72470	2.0	5	
P	31	1	nogas	-1.887	-228.0	45779	1.4	2.5	
Ti	47	1	nogas	0.136	29.7	417	15.6	2.5	
Ni	60	1	nogas	0.138	2.8	1563	0.4	2.5	
Cu	63	1	nogas	0.137	3.1	3057	2.3	5	
Zn	66	1	nogas	0.474	4.8	4217	2.6	2.5	
Se	77	1	nogas	-12.646	-5.6	2767	4.0	2.5	
Se	82	1	nogas	0.171	454.3	347	43.4	5	
Sr	88	1	nogas	0.023	18.1	2384	5.0	2.5	
Mo	95	1	nogas	0.435	28.8	2767	26.4	2.5	
Ag	107	1	nogas	0.050	27.3	740	23.6	2.5	
Cd	111	1	nogas	0.025	110.1	74	105.1	2.5	
Sn	118	1	nogas	0.573	19.7	7459	12.9	2.5	
Sb	121	1	nogas	0.699	17.6	9827	15.0	2	
Ba	137	1	nogas	-0.026	-33.3	327	11.6	2.5	
Tl	205	1	nogas	0.402	66.9	11327	69.3	2.5	
Pb	208	1	nogas	0.040	10.6	2407	9.6	2.5	
U	238	1	nogas	0.054	21.7	2877	22.6	2.5	
Na	23	2	He	-40.114	-4.6	265592	0.9	100	
Mg	24	2	He	2.122	20.6	4521	9.9	100	
Al	27	2	He	-1.602	-15.6	2594	5.7	5	
K	39	2	He	-2.974	-31.9	90410	1.9	100	
Ca	43	2	He	-0.825	-1013.9	63	36.5	100	
Ca	44	2	He	-9.316	-60.5	1383	18.3	100	
V	51	2	He	-0.186	-31.9	1151	32.1	2.5	
Cr	52	2	He	-0.445	-4.8	6001	3.2	2.5	
Mn	55	2	He	0.111	38.3	1273	16.9	2.5	
Fe	56	2	He	4.395	6.9	50813	4.8	100	
Co	59	2	He	0.039	12.6	420	10.4	2.5	
Ni	60	2	He	0.094	44.7	530	19.1	2.5	
Cu	63	2	He	0.049	92.0	930	28.2	5	
Zn	66	2	He	0.245	25.8	1330	5.4	2.5	
As	75	2	He	0.036	150.4	214	24.3	2.5	
Sb	121	2	He	0.456	6.4	2674	5.1	2	
Se	78	2	He	0.261	51.3	101	10.9	5	
Ti	47	2	He	0.022	509.5	37	78.7	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2324254	0.88	2222435	104.58	70	120	
In	115	1	nogas	2548251	0.48	2487358	102.45	70	120	
Li	6	1	nogas	1150028	0.59	1125226	102.20	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2395595	3.51	2305146	103.92	70	120	
Ge	72	2	He	656441	0.86	633162	103.68	70	120	
In	115	2	He	918274	0.92	884304	103.84	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	284_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T21:27:28-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	93.019	0.961	582230	0.35	100	93.0	90	110	
B	11	1	nogas	479.576	0.168	2086501	0.77	500	95.9	90	110	
Al	27	1	nogas	103.037	0.264	1899629	0.92	100	103.0	90	110	
P	31	1	nogas	1258.849	0.920	192684	0.79	500	251.8	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	99.413	0.467	171921	1.05	100	99.4	90	110	
Ni	60	1	nogas	99.651	0.329	485575	1.34	100	99.7	90	110	
Cu	63	1	nogas	100.118	0.247	1154940	1.23	100	100.1	90	110	
Zn	66	1	nogas	98.935	0.522	359234	1.66	100	98.9	90	110	
Se	77	1	nogas	102.739	3.991	20611	1.97	100	102.7	90	110	
Se	82	1	nogas	96.495	0.559	19743	0.77	100	96.5	90	110	
Sr	88	1	nogas	94.470	2.050	2819144	2.28	100	94.5	90	110	
Mo	95	1	nogas	97.028	0.920	591778	1.21	100	97.0	90	110	
Ag	107	1	nogas	106.167	0.758	1430269	0.95	100	106.2	90	110	
Cd	111	1	nogas	95.923	0.990	285342	1.28	100	95.9	90	110	
Sn	118	1	nogas	97.951	0.619	891758	0.79	100	98.0	90	110	
Sb	121	1	nogas	95.677	0.643	1276306	1.69	100	95.7	90	110	
Ba	137	1	nogas	97.392	1.155	433075	1.45	100	97.4	90	110	
Tl	205	1	nogas	98.884	5.012	2737344	2.66	100	98.9	90	110	
Pb	208	1	nogas	97.651	4.097	3747125	1.82	100	97.7	90	110	
U	238	1	nogas	90.864	4.384	4214778	1.97	100	90.9	90	110	
Li	7	1	nogas	94.567	1.014	1814102	0.56	100	94.6	90	110	
Ba	135	1	nogas	97.268	1.622	248081	1.92	100	97.3	90	110	
Tl	203	1	nogas	98.394	5.293	1136259	2.86	100	98.4	90	110	
Na	23	2	He	9778.014	0.257	19395120	0.36	10000	97.8	90	110	
Mg	24	2	He	9748.417	1.815	10625825	1.43	10000	97.5	90	110	
Al	27	2	He	101.991	2.001	66741	2.03	100	102.0	90	110	
K	39	2	He	9992.430	0.886	11037874	0.62	10000	99.9	90	110	
Ca	43	2	He	9833.249	2.029	28961	1.44	10000	98.3	90	110	
Ca	44	2	He	9807.117	0.924	476372	0.34	10000	98.1	90	110	
V	51	2	He	97.880	0.649	645997	1.21	100	97.9	90	110	
Cr	52	2	He	98.036	0.683	733344	0.35	100	98.0	90	110	
Mn	55	2	He	100.819	0.540	539770	0.10	100	100.8	90	110	
Fe	56	2	He	10095.315	0.790	69568287	1.11	10000	101.0	90	110	
Co	59	2	He	99.109	0.941	964930	0.51	100	99.1	90	110	
Ni	60	2	He	99.094	1.184	241306	0.98	100	99.1	90	110	
Cu	63	2	He	98.177	0.570	607887	0.72	100	98.2	90	110	
Zn	66	2	He	99.284	0.478	132943	0.22	100	99.3	90	110	
As	75	2	He	98.127	0.697	96465	0.94	100	98.1	90	110	
Sb	121	2	He	97.298	0.651	490274	0.79	100	97.3	90	110	
Se	78	2	He	100.403	1.161	8882	1.02	100	100.4	90	110	
Ti	47	2	He	98.979	2.951	27285	3.29	100	99.0	90	110	
Zr	90	1	nogas	87.420	1.640	1714390	1.90	100	87.4	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2464467	1.17	2222435	110.89	70	120	
In	115	1	nogas	2691523	0.31	2487358	108.21	70	120	
Li	6	1	nogas	1130280	0.61	1125226	100.45	70	120	
Bi	209	1	nogas	2430541	2.47	2305146	105.44	70	120	
Ge	72	2	He	687464	0.61	633162	108.58	70	120	
In	115	2	He	959967	1.32	884304	108.56	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	285_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T21:29:46-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.046	15.8	387	12.2	2.5	
B	11	1	nogas	23.644	7.3	192828	4.1	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.485	-3.5	76845	1.0	5	
P	31	1	nogas	-15.602	-67.0	47076	2.3	2.5	
Ti	47	1	nogas	0.177	35.1	513	20.5	2.5	
Ni	60	1	nogas	0.143	27.8	1687	11.0	2.5	
Cu	63	1	nogas	0.081	24.1	2607	8.1	5	
Zn	66	1	nogas	0.530	7.5	4684	3.6	2.5	
Se	77	1	nogas	-12.931	-6.1	2897	4.7	2.5	
Se	82	1	nogas	0.085	562.2	350	27.3	5	
Sr	88	1	nogas	0.099	8.2	4834	5.0	2.5	
Mo	95	1	nogas	0.516	31.9	3467	29.2	2.5	
Ag	107	1	nogas	0.053	12.7	843	11.0	2.5	
Cd	111	1	nogas	0.055	40.4	170	39.4	2.5	
Sn	118	1	nogas	0.642	15.0	8633	10.1	2.5	
Sb	121	1	nogas	0.897	16.2	13096	14.4	2	
Ba	137	1	nogas	-0.009	-183.7	427	17.9	2.5	
Tl	205	1	nogas	0.451	60.9	13239	63.8	2.5	
Pb	208	1	nogas	0.053	14.4	3060	9.8	2.5	
U	238	1	nogas	0.065	23.3	3507	24.4	2.5	
Na	23	2	He	43.581	7.1	449126	0.3	100	
Mg	24	2	He	5.599	6.8	8676	3.7	100	
Al	27	2	He	-1.596	-17.5	2770	7.4	5	
K	39	2	He	-3.628	-10.4	95675	1.0	100	
Ca	43	2	He	4.535	338.0	83	54.1	100	
Ca	44	2	He	-2.756	-97.2	1800	8.2	100	
V	51	2	He	-0.104	-74.3	1775	28.8	2.5	
Cr	52	2	He	-0.412	-17.3	6645	7.8	2.5	
Mn	55	2	He	0.116	18.9	1383	9.9	2.5	
Fe	56	2	He	5.003	8.5	58460	6.3	100	
Co	59	2	He	0.047	6.5	527	6.7	2.5	
Ni	60	2	He	0.060	36.9	480	12.7	2.5	
Cu	63	2	He	0.056	38.9	1040	12.5	5	
Zn	66	2	He	0.370	53.5	1590	18.0	2.5	
As	75	2	He	0.100	3.2	292	0.7	2.5	
Sb	121	2	He	0.636	9.7	3774	9.6	2	
Se	78	2	He	0.419	32.8	121	9.1	5	
Ti	47	2	He	0.049	154.8	47	44.6	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2470051	0.54	2222435	111.14	70	120	
In	115	1	nogas	2733915	0.26	2487358	109.91	70	120	
Li	6	1	nogas	1203217	0.34	1125226	106.93	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2505416	3.58	2305146	108.69	70	120	
Ge	72	2	He	700014	1.23	633162	110.56	70	120	
In	115	2	He	978485	1.04	884304	110.65	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	295_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T21:52:56-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.457	0.760	574949	1.41	100	94.5	90	110	
B	11	1	nogas	468.391	1.258	1983327	0.56	500	93.7	90	110	
Al	27	1	nogas	103.716	0.420	1894772	0.87	100	103.7	90	110	
P	31	1	nogas	1248.138	2.128	189772	0.40	500	249.6	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	99.312	1.406	170237	0.95	100	99.3	90	110	
Ni	60	1	nogas	98.880	0.442	477601	0.80	100	98.9	90	110	
Cu	63	1	nogas	98.681	1.668	1128470	2.17	100	98.7	90	110	
Zn	66	1	nogas	99.257	1.058	357227	1.37	100	99.3	90	110	
Se	77	1	nogas	90.439	5.700	18572	5.11	100	90.4	90	110	
Se	82	1	nogas	97.167	0.586	19707	1.79	100	97.2	90	110	
Sr	88	1	nogas	94.323	1.661	2792077	1.86	100	94.3	90	110	
Mo	95	1	nogas	96.669	0.688	584882	1.76	100	96.7	90	110	
Ag	107	1	nogas	106.078	1.453	1417579	1.60	100	106.1	90	110	
Cd	111	1	nogas	97.960	1.690	289106	2.89	100	98.0	90	110	
Sn	118	1	nogas	98.067	1.123	885828	2.83	100	98.1	90	110	
Sb	121	1	nogas	96.338	1.297	1273916	2.15	100	96.3	90	110	
Ba	137	1	nogas	98.085	0.307	432691	2.08	100	98.1	90	110	
Tl	205	1	nogas	99.223	4.595	2769026	2.34	100	99.2	90	110	
Pb	208	1	nogas	96.813	3.869	3744945	1.56	100	96.8	90	110	
U	238	1	nogas	91.829	4.955	4293465	2.69	100	91.8	90	110	
Li	7	1	nogas	93.898	0.817	1752194	1.35	100	93.9	90	110	
Ba	135	1	nogas	97.594	0.302	246927	1.84	100	97.6	90	110	
Tl	203	1	nogas	98.513	4.413	1146963	2.12	100	98.5	90	110	
Na	23	2	He	9604.954	1.165	19432364	1.09	10000	96.0	90	110	
Mg	24	2	He	9773.228	1.234	10862489	1.15	10000	97.7	90	110	
Al	27	2	He	101.082	0.560	67478	0.41	100	101.1	90	110	
K	39	2	He	10012.936	2.101	11277381	1.86	10000	100.1	90	110	
Ca	43	2	He	9520.445	2.771	28594	2.57	10000	95.2	90	110	
Ca	44	2	He	9716.784	1.118	481278	0.91	10000	97.2	90	110	
V	51	2	He	96.512	0.926	649484	0.69	100	96.5	90	110	
Cr	52	2	He	97.273	1.353	741998	1.11	100	97.3	90	110	
Mn	55	2	He	99.533	0.916	543361	0.70	100	99.5	90	110	
Fe	56	2	He	9959.382	0.383	69978179	0.16	10000	99.6	90	110	
Co	59	2	He	98.661	0.670	979453	0.51	100	98.7	90	110	
Ni	60	2	He	99.409	0.697	246830	0.62	100	99.4	90	110	
Cu	63	2	He	98.821	0.731	623889	0.75	100	98.8	90	110	
Zn	66	2	He	97.533	1.082	133185	1.18	100	97.5	90	110	
As	75	2	He	97.047	1.496	97278	1.41	100	97.0	90	110	
Sb	121	2	He	95.664	0.605	491512	0.56	100	95.7	90	110	
Se	78	2	He	98.182	0.928	8858	0.90	100	98.2	90	110	
Ti	47	2	He	98.907	2.303	27799	2.49	100	98.9	90	110	
Zr	90	1	nogas	86.931	1.678	1691167	2.31	100	86.9	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2442959	1.21	2222435	109.92	70	120	
In	115	1	nogas	2670146	1.80	2487358	107.35	70	120	
Li	6	1	nogas	1099144	1.51	1125226	97.68	70	120	
Bi	209	1	nogas	2450031	2.36	2305146	106.29	70	120	
Ge	72	2	He	700960	0.23	633162	110.71	70	120	
In	115	2	He	970342	0.73	884304	109.73	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	296_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T21:55:15-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.042	8.4	355	6.5	2.5	
B	11	1	nogas	10.408	11.5	132427	4.1	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.428	-4.3	77790	0.6	5	
P	31	1	nogas	-12.277	-27.3	47424	0.4	2.5	
Ti	47	1	nogas	0.148	63.6	463	35.0	2.5	
Ni	60	1	nogas	0.016	225.0	1067	16.9	2.5	
Cu	63	1	nogas	0.067	5.7	2437	1.3	5	
Zn	66	1	nogas	0.430	20.1	4321	7.6	2.5	
Se	77	1	nogas	-18.164	-8.2	2090	10.2	2.5	
Se	82	1	nogas	0.449	21.2	423	4.9	5	
Sr	88	1	nogas	0.033	8.8	2844	2.7	2.5	
Mo	95	1	nogas	0.493	30.8	3320	28.4	2.5	
Ag	107	1	nogas	0.065	8.8	1003	7.5	2.5	
Cd	111	1	nogas	0.040	40.4	124	39.4	2.5	
Sn	118	1	nogas	0.686	9.1	9033	6.7	2.5	
Sb	121	1	nogas	0.983	14.7	14224	13.1	2	
Ba	137	1	nogas	0.009	62.5	507	4.6	2.5	
Tl	205	1	nogas	0.469	64.0	13626	67.0	2.5	
Pb	208	1	nogas	0.060	10.4	3284	10.4	2.5	
U	238	1	nogas	0.067	21.8	3587	22.7	2.5	
Na	23	2	He	-68.258	-2.0	228671	0.6	100	
Mg	24	2	He	3.213	2.4	6065	2.3	100	
Al	27	2	He	-1.629	-13.1	2764	4.8	5	
K	39	2	He	-4.586	-25.8	95128	1.5	100	
Ca	43	2	He	-4.566	-224.8	57	53.9	100	
Ca	44	2	He	-6.636	-23.0	1617	4.0	100	
V	51	2	He	-0.092	-62.1	1865	20.3	2.5	
Cr	52	2	He	-0.412	-1.7	6682	0.7	2.5	
Mn	55	2	He	0.112	4.6	1370	1.3	2.5	
Fe	56	2	He	5.410	10.0	61630	6.2	100	
Co	59	2	He	0.044	14.8	503	13.2	2.5	
Ni	60	2	He	0.037	61.0	427	14.1	2.5	
Cu	63	2	He	0.061	8.2	1077	2.8	5	
Zn	66	2	He	0.345	41.0	1563	13.1	2.5	
As	75	2	He	0.107	44.2	301	16.6	2.5	
Sb	121	2	He	0.707	9.2	4157	8.2	2	
Se	78	2	He	0.567	36.1	135	13.2	5	
Ti	47	2	He	-0.036	-150.3	23	65.5	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2468288	0.80	2222435	111.06	70	120	
In	115	1	nogas	2729641	0.38	2487358	109.74	70	120	
Li	6	1	nogas	1189599	0.15	1125226	105.72	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2478276	3.69	2305146	107.51	70	120	
Ge	72	2	He	703857	0.82	633162	111.17	70	120	
In	115	2	He	978539	0.85	884304	110.66	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	307_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T22:21:04-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	91.676	0.624	539860	0.90	100	91.7	90	110	
B	11	1	nogas	467.666	1.942	1916141	2.20	500	93.5	90	110	
Al	27	1	nogas	102.586	1.003	1777680	1.61	100	102.6	90	110	
P	31	1	nogas	1228.683	1.185	177814	0.40	500	245.7	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	98.224	1.534	159623	1.99	100	98.2	90	110	
Ni	60	1	nogas	99.058	0.728	453561	1.22	100	99.1	90	110	
Cu	63	1	nogas	99.892	1.286	1082773	1.28	100	99.9	90	110	
Zn	66	1	nogas	98.185	1.417	335019	2.01	100	98.2	90	110	
Se	77	1	nogas	99.671	1.712	18932	2.46	100	99.7	90	110	
Se	82	1	nogas	101.209	3.298	19443	3.22	100	101.2	90	110	
Sr	88	1	nogas	94.563	1.421	2681869	2.19	100	94.6	90	110	
Mo	95	1	nogas	98.378	0.804	570223	1.62	100	98.4	90	110	
Ag	107	1	nogas	107.216	0.315	1372709	1.39	100	107.2	90	110	
Cd	111	1	nogas	97.600	2.177	275941	2.99	100	97.6	90	110	
Sn	118	1	nogas	98.163	0.455	849362	1.74	100	98.2	90	110	
Sb	121	1	nogas	97.695	0.652	1224566	1.59	100	97.7	90	110	
Ba	137	1	nogas	99.730	0.944	421407	0.60	100	99.7	90	110	
Tl	205	1	nogas	99.804	3.659	2714971	2.25	100	99.8	90	110	
Pb	208	1	nogas	97.803	3.421	3687475	2.02	100	97.8	90	110	
U	238	1	nogas	91.578	3.456	4174036	2.10	100	91.6	90	110	
Li	7	1	nogas	93.531	0.757	1688807	0.77	100	93.5	90	110	
Ba	135	1	nogas	99.877	1.000	242074	1.52	100	99.9	90	110	
Tl	203	1	nogas	97.626	3.359	1107962	1.95	100	97.6	90	110	
Na	23	2	He	9647.472	1.081	18223598	0.97	10000	96.5	90	110	
Mg	24	2	He	9815.898	1.325	10187061	1.28	10000	98.2	90	110	
Al	27	2	He	102.638	0.782	63923	0.91	100	102.6	90	110	
K	39	2	He	10120.978	0.579	10643205	0.81	10000	101.2	90	110	
Ca	43	2	He	9644.666	0.741	27048	0.70	10000	96.4	90	110	
Ca	44	2	He	9790.454	0.539	452794	0.77	10000	97.9	90	110	
V	51	2	He	99.075	0.596	622496	0.41	100	99.1	90	110	
Cr	52	2	He	99.659	0.317	709614	0.21	100	99.7	90	110	
Mn	55	2	He	100.243	0.899	510984	1.06	100	100.2	90	110	
Fe	56	2	He	10031.373	1.083	65814177	1.13	10000	100.3	90	110	
Co	59	2	He	100.001	0.576	926984	0.70	100	100.0	90	110	
Ni	60	2	He	100.802	1.158	233704	1.36	100	100.8	90	110	
Cu	63	2	He	100.014	0.589	589581	0.78	100	100.0	90	110	
Zn	66	2	He	98.163	2.091	125160	2.27	100	98.2	90	110	
As	75	2	He	97.971	0.813	91697	0.90	100	98.0	90	110	
Sb	121	2	He	98.356	1.637	471848	1.68	100	98.4	90	110	
Se	78	2	He	98.741	0.745	8318	0.49	100	98.7	90	110	
Ti	47	2	He	97.375	1.774	25555	1.86	100	97.4	90	110	
Zr	90	1	nogas	87.734	1.729	1635184	2.52	100	87.7	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2315787	1.17	2222435	104.20	70	120	
In	115	1	nogas	2557941	1.31	2487358	102.84	70	120	
Li	6	1	nogas	1063322	0.35	1125226	94.50	70	120	
Bi	209	1	nogas	2387349	1.44	2305146	103.57	70	120	
Ge	72	2	He	654515	0.25	633162	103.37	70	120	
In	115	2	He	923587	0.76	884304	104.44	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	308_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T22:23:26-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.038	9.3	317	7.5	2.5	
B	11	1	nogas	22.816	4.3	180981	2.3	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.537	-5.1	72892	1.0	5	
P	31	1	nogas	-22.963	-16.6	44374	0.3	2.5	
Ti	47	1	nogas	0.175	30.8	490	17.4	2.5	
Ni	60	1	nogas	0.026	74.9	1070	8.1	2.5	
Cu	63	1	nogas	0.028	27.0	1913	3.7	5	
Zn	66	1	nogas	0.388	7.8	4004	1.8	2.5	
Se	77	1	nogas	-16.527	-1.2	2250	2.0	2.5	
Se	82	1	nogas	0.327	117.3	383	19.9	5	
Sr	88	1	nogas	0.034	18.5	2800	6.8	2.5	
Mo	95	1	nogas	0.507	22.6	3310	21.0	2.5	
Ag	107	1	nogas	0.052	0.6	803	0.7	2.5	
Cd	111	1	nogas	0.035	10.1	107	9.8	2.5	
Sn	118	1	nogas	0.608	6.5	8086	4.6	2.5	
Sb	121	1	nogas	0.740	10.2	10557	8.6	2	
Ba	137	1	nogas	-0.005	-145.3	433	7.1	2.5	
Tl	205	1	nogas	0.436	60.4	12555	63.3	2.5	
Pb	208	1	nogas	0.056	10.3	3104	10.1	2.5	
U	238	1	nogas	0.065	21.1	3441	22.5	2.5	
Na	23	2	He	-40.991	-4.3	269578	1.5	100	
Mg	24	2	He	3.280	8.6	5848	5.6	100	
Al	27	2	He	-1.479	-8.6	2724	4.3	5	
K	39	2	He	-6.490	-12.8	88566	0.5	100	
Ca	43	2	He	-6.044	-148.2	50	52.9	100	
Ca	44	2	He	-6.775	-19.6	1533	3.8	100	
V	51	2	He	-0.061	-19.7	1978	5.4	2.5	
Cr	52	2	He	-0.469	-8.5	5955	3.5	2.5	
Mn	55	2	He	0.119	25.5	1343	11.8	2.5	
Fe	56	2	He	5.089	4.0	56553	3.9	100	
Co	59	2	He	0.046	10.3	500	10.4	2.5	
Ni	60	2	He	0.078	39.2	503	14.9	2.5	
Cu	63	2	He	0.051	44.9	963	13.8	5	
Zn	66	2	He	0.466	45.8	1647	17.5	2.5	
As	75	2	He	0.080	49.7	261	16.0	2.5	
Sb	121	2	He	0.525	7.5	3070	7.4	2	
Se	78	2	He	0.345	59.0	110	15.9	5	
Ti	47	2	He	0.068	144.6	50	52.9	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2370782	0.85	2222435	106.67	70	120	
In	115	1	nogas	2654937	0.32	2487358	106.74	70	120	
Li	6	1	nogas	1151304	0.46	1125226	102.32	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2456382	3.66	2305146	106.56	70	120	
Ge	72	2	He	670408	1.48	633162	105.88	70	120	
In	115	2	He	946483	1.34	884304	107.03	70	120	

Sample Report

Sample Table

Sample Name	MBLK-214353
Data File Name	314SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T22:37:55-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	-0.001	-0.001	-392.92	67	0.00	2000	
B	11	1	nogas	14.552	14.552	0.64	141849	0.01	2000	
Al	27	1	nogas	1.704	1.704	3.32	124289	0.00	2000	
Ti	47	1	nogas	-0.021	-0.021	-77.77	160	-0.01	2000	
Ni	60	1	nogas	0.082	0.082	46.69	1303	0.01	2000	
Cu	63	1	nogas	0.061	0.061	18.87	2224	0.00	2000	
Zn	66	1	nogas	1.128	1.128	10.88	6418	0.02	2000	
Se	77	1	nogas	-5.810	-5.810	-4.72	3741	-0.16	2000	
Se	82	1	nogas	-0.224	-0.224	-140.96	270	-0.08	2000	
Sr	88	1	nogas	0.059	0.059	9.20	3450	0.00	2000	
Mo	95	1	nogas	0.074	0.074	14.57	690	0.01	2000	
Ag	107	1	nogas	0.007	0.007	64.63	193	0.00	2000	
Cd	111	1	nogas	0.001	0.001	879.27	6	0.02	2000	
Sn	118	1	nogas	0.066	0.066	48.38	3160	0.00	2000	
Sb	121	1	nogas	0.496	0.496	8.01	7252	0.01	2000	
Ba	137	1	nogas	-0.024	-0.024	-9.59	340	-0.01	2000	
Tl	205	1	nogas	0.012	0.012	30.75	500	0.00	2000	
Pb	208	1	nogas	0.008	0.008	43.55	1200	0.00	2000	
U	238	1	nogas	-0.001	-0.001	-431.11	353	0.00	2000	
Na	23	2	He	-64.598	-64.598	-1.18	221715	-0.03	200000	
Mg	24	2	He	0.242	0.242	100.45	2584	0.01	200000	
Al	27	2	He	1.702	1.702	22.14	4577	0.04	2000	
K	39	2	He	-6.819	-6.819	-17.17	87027	-0.01	200000	
Ca	43	2	He	22.570	22.570	15.96	130	17.36	200000	
Ca	44	2	He	11.427	11.427	29.22	2360	0.48	200000	
V	51	2	He	0.063	0.063	74.30	2735	0.00	2000	
Cr	52	2	He	0.085	0.085	35.15	9807	0.00	2000	
Mn	55	2	He	0.292	0.292	28.07	2210	0.01	2000	
Fe	56	2	He	1.377	1.377	15.90	31179	0.00	200000	
Co	59	2	He	0.013	0.013	9.49	177	0.01	2000	
Ni	60	2	He	0.174	0.174	8.20	720	0.02	2000	
Cu	63	2	He	0.067	0.067	31.52	1047	0.01	2000	
Zn	66	2	He	1.072	1.072	12.31	2397	0.04	2000	
As	75	2	He	0.001	0.001	1218.36	183	0.00	2000	
Sb	121	2	He	0.412	0.412	19.45	2480	0.02	2000	
Se	78	2	He	0.094	0.094	203.26	87	0.11	2000	
Ti	47	2	He	-0.030	-0.030	-264.01	23	-0.13	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2315342	0.61	2222435	104.18	70	120	
In	115	1	nogas	2594116	0.33	2487358	104.29	70	120	
Li	6	1	nogas	1120082	0.84	1125226	99.54	70	120	
Bi	209	1	nogas	2389991	2.50	2305146	103.68	70	120	

Sample Report

Ge	72	2	He	661303	0.23	633162	104.44	70	120	
In	115	2	He	921276	1.42	884304	104.18	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	316_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T22:42:42-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.528	1.170	558677	0.47	100	94.5	90	110	
B	11	1	nogas	469.008	3.306	1928105	2.28	500	93.8	90	110	
Al	27	1	nogas	102.954	0.225	1827620	1.68	100	103.0	90	110	
P	31	1	nogas	1244.797	2.775	184014	3.54	500	249.0	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	98.945	0.370	164753	1.80	100	98.9	90	110	
Ni	60	1	nogas	100.857	0.895	473118	1.09	100	100.9	90	110	
Cu	63	1	nogas	100.042	0.611	1111082	1.20	100	100.0	90	110	
Zn	66	1	nogas	98.759	0.209	345248	1.56	100	98.8	90	110	
Se	77	1	nogas	89.089	5.598	17828	2.63	100	89.1	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	96.453	2.082	18999	1.71	100	96.5	90	110	
Sr	88	1	nogas	95.087	0.314	2727512	0.59	100	95.1	90	110	
Mo	95	1	nogas	98.404	1.373	576919	1.69	100	98.4	90	110	
Ag	107	1	nogas	107.795	0.960	1395951	1.26	100	107.8	90	110	
Cd	111	1	nogas	97.785	1.894	279611	2.04	100	97.8	90	110	
Sn	118	1	nogas	99.149	0.597	867669	0.83	100	99.1	90	110	
Sb	121	1	nogas	95.832	0.686	1230684	0.82	100	95.8	90	110	
Ba	137	1	nogas	98.400	0.653	420590	0.89	100	98.4	90	110	
Tl	205	1	nogas	98.947	5.684	2691374	2.48	100	98.9	90	110	
Pb	208	1	nogas	97.564	4.441	3679260	2.08	100	97.6	90	110	
U	238	1	nogas	90.827	4.178	4140769	1.55	100	90.8	90	110	
Li	7	1	nogas	95.063	1.107	1721506	0.15	100	95.1	90	110	
Ba	135	1	nogas	98.192	1.051	240727	1.26	100	98.2	90	110	
Tl	203	1	nogas	97.120	5.739	1102118	2.86	100	97.1	90	110	
Na	23	2	He	9772.635	0.625	18943354	0.61	10000	97.7	90	110	
Mg	24	2	He	9721.134	1.311	10355143	1.08	10000	97.2	90	110	
Al	27	2	He	102.505	1.968	65540	2.68	100	102.5	90	110	
K	39	2	He	10062.183	0.877	10861214	0.52	10000	100.6	90	110	
Ca	43	2	He	9674.907	0.526	27849	0.46	10000	96.7	90	110	
Ca	44	2	He	9791.310	1.859	464763	1.23	10000	97.9	90	110	
V	51	2	He	99.249	1.196	640036	0.43	100	99.2	90	110	
Cr	52	2	He	99.053	1.283	723961	0.48	100	99.1	90	110	
Mn	55	2	He	99.685	0.568	521573	0.89	100	99.7	90	110	
Fe	56	2	He	10021.616	1.201	67484197	0.33	10000	100.2	90	110	
Co	59	2	He	99.243	1.304	944231	0.85	100	99.2	90	110	
Ni	60	2	He	101.003	0.619	240355	0.75	100	101.0	90	110	
Cu	63	2	He	100.002	0.895	605073	0.80	100	100.0	90	110	
Zn	66	2	He	98.784	1.467	129274	1.89	100	98.8	90	110	
As	75	2	He	97.652	0.727	93817	1.23	100	97.7	90	110	
Sb	121	2	He	97.923	1.144	482166	0.28	100	97.9	90	110	
Se	78	2	He	98.794	1.859	8542	2.18	100	98.8	90	110	
Ti	47	2	He	98.050	1.770	26410	1.04	100	98.1	90	110	
Zr	90	1	nogas	87.724	1.264	1653679	1.58	100	87.7	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2372776	1.49	2222435	106.76	70	120	
In	115	1	nogas	2587244	0.32	2487358	104.02	70	120	
Li	6	1	nogas	1067271	0.92	1125226	94.85	70	120	
Bi	209	1	nogas	2389239	3.36	2305146	103.65	70	120	
Ge	72	2	He	671824	0.86	633162	106.11	70	120	
In	115	2	He	930992	0.65	884304	105.28	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	317_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T22:45:07-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.037	7.9	310	5.8	2.5	
B	11	1	nogas	15.089	7.6	148388	3.1	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.782	-1.1	69966	1.7	5	
P	31	1	nogas	-18.250	-38.3	45662	1.0	2.5	
Ti	47	1	nogas	0.182	10.1	510	5.2	2.5	
Ni	60	1	nogas	-0.010	-271.4	917	13.9	2.5	
Cu	63	1	nogas	0.020	21.5	1860	3.4	5	
Zn	66	1	nogas	0.208	48.6	3437	9.9	2.5	
Se	77	1	nogas	-16.145	-12.1	2344	11.1	2.5	
Se	82	1	nogas	0.515	34.4	427	8.9	5	
Sr	88	1	nogas	0.026	12.6	2527	3.8	2.5	
Mo	95	1	nogas	0.522	30.7	3367	27.9	2.5	
Ag	107	1	nogas	0.054	7.3	823	5.7	2.5	
Cd	111	1	nogas	0.032	71.6	97	68.8	2.5	
Sn	118	1	nogas	0.775	9.8	9497	6.8	2.5	
Sb	121	1	nogas	0.870	10.9	12422	8.8	2	
Ba	137	1	nogas	-0.009	-246.6	413	22.0	2.5	
Tl	205	1	nogas	0.480	59.7	13652	63.4	2.5	
Pb	208	1	nogas	0.047	10.2	2720	11.1	2.5	
U	238	1	nogas	0.054	29.7	2920	30.5	2.5	
Na	23	2	He	-80.840	-0.8	197201	0.8	100	
Mg	24	2	He	2.062	18.3	4631	9.0	100	
Al	27	2	He	-1.955	-7.7	2477	3.8	5	
K	39	2	He	-6.336	-39.6	90235	2.9	100	
Ca	43	2	He	-3.989	-130.0	57	27.0	100	
Ca	44	2	He	-8.094	-58.7	1497	15.5	100	
V	51	2	He	-0.078	-92.1	1905	24.7	2.5	
Cr	52	2	He	-0.274	-13.0	7482	3.5	2.5	
Mn	55	2	He	0.034	69.6	913	14.0	2.5	
Fe	56	2	He	4.135	10.9	50976	6.0	100	
Co	59	2	He	0.041	17.1	453	15.0	2.5	
Ni	60	2	He	0.022	41.4	377	5.5	2.5	
Cu	63	2	He	0.028	14.9	837	3.0	5	
Zn	66	2	He	0.206	18.8	1330	4.2	2.5	
As	75	2	He	0.091	31.6	277	10.5	2.5	
Sb	121	2	He	0.691	7.6	3951	6.6	2	
Se	78	2	He	0.293	57.1	107	13.7	5	
Ti	47	2	He	0.126	93.7	67	48.2	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2411542	1.26	2222435	108.51	70	120	
In	115	1	nogas	2631450	0.58	2487358	105.79	70	120	
Li	6	1	nogas	1153691	0.34	1125226	102.53	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2423068	4.39	2305146	105.12	70	120	
Ge	72	2	He	681727	0.38	633162	107.67	70	120	
In	115	2	He	945299	1.39	884304	106.90	70	120	

Sample Report

Sample Table

Sample Name	HS24061247-01SD
Data File Name	319SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T22:49:56-05:00
Sample Type	Sample
Dilution	5
Comment	TW DOD B 214363
ISTD Ref FileName	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	-0.002	-0.009	-95.26	63	0.00	2000	
B	11	1	nogas	29.458	147.291	2.12	209788	0.01	2000	
Al	27	1	nogas	27.881	139.407	1.53	570904	0.00	2000	
Ti	47	1	nogas	0.352	1.759	11.99	790	0.04	2000	
Ni	60	1	nogas	-0.026	-0.128	-119.78	837	0.00	2000	
Cu	63	1	nogas	-0.003	-0.017	-271.99	1577	0.00	2000	
Zn	66	1	nogas	0.688	3.441	6.93	5084	0.01	2000	
Se	77	1	nogas	-15.052	-75.258	-4.76	2487	-0.61	2000	
Se	82	1	nogas	-0.046	-0.230	-1064.08	313	-0.01	2000	
Sr	88	1	nogas	2.056	10.281	1.76	61582	0.00	2000	
Mo	95	1	nogas	0.169	0.843	9.51	1263	0.01	2000	
Ag	107	1	nogas	0.004	0.022	55.56	167	0.00	2000	
Cd	111	1	nogas	0.100	0.498	16.03	293	0.03	2000	
Sn	118	1	nogas	0.120	0.598	24.51	3671	0.00	2000	
Sb	121	1	nogas	0.110	0.551	9.08	2504	0.00	2000	
Ba	137	1	nogas	3.611	18.056	4.33	16096	0.02	2000	
Tl	205	1	nogas	0.009	0.045	20.61	423	0.00	2000	
Pb	208	1	nogas	0.025	0.126	11.98	1893	0.00	2000	
U	238	1	nogas	0.004	0.018	77.73	553	0.00	2000	
Na	23	2	He	4004.001	20020.006	1.59	8115927	0.05	200000	
Mg	24	2	He	84.248	421.240	1.84	93804	0.09	200000	
Al	27	2	He	27.649	138.244	8.19	20689	0.13	2000	
K	39	2	He	739.100	3695.502	0.94	903074	0.08	200000	
Ca	43	2	He	270.660	1353.301	3.80	860	31.47	200000	
Ca	44	2	He	276.776	1383.880	1.29	15225	1.82	200000	
V	51	2	He	-0.032	-0.159	-71.32	2211	0.00	2000	
Cr	52	2	He	-0.269	-1.344	-10.98	7549	0.00	2000	
Mn	55	2	He	12.385	61.923	1.17	66654	0.02	2000	
Fe	56	2	He	333.357	1666.785	1.32	2308814	0.01	200000	
Co	59	2	He	0.029	0.147	29.57	347	0.01	2000	
Ni	60	2	He	0.036	0.178	67.71	410	0.01	2000	
Cu	63	2	He	0.026	0.129	114.90	827	0.00	2000	
Zn	66	2	He	0.541	2.707	15.92	1780	0.03	2000	
As	75	2	He	0.010	0.048	234.54	198	0.00	2000	
Sb	121	2	He	0.098	0.491	13.79	993	0.01	2000	
Se	78	2	He	0.120	0.602	45.18	93	0.13	2000	
Ti	47	2	He	0.392	1.960	23.34	140	0.28	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2389262	0.20	2222435	107.51	70	120	
In	115	1	nogas	2625388	0.15	2487358	105.55	70	120	
Li	6	1	nogas	1154263	0.51	1125226	102.58	70	120	
Bi	209	1	nogas	2443387	4.13	2305146	106.00	70	120	

Sample Report

Ge	72	2	He	684435	1.61	633162	108.10	70	120	
In	115	2	He	956772	0.67	884304	108.19	70	120	

Sample Report

Sample Table

Sample Name	HS24061247-01PDS
Data File Name	322SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T22:57:09-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	89.564	89.564	0.39	549475	0.02	2000	
B	11	1	nogas	105.850	105.850	1.55	514239	0.02	2000	
Al	27	1	nogas	239.164	239.164	0.71	4022060	0.01	2000	
Ti	47	1	nogas	105.378	105.378	0.73	171511	0.06	2000	
Ni	60	1	nogas	100.929	100.929	0.80	462879	0.02	2000	
Cu	63	1	nogas	101.535	101.535	1.64	1102302	0.01	2000	
Zn	66	1	nogas	100.102	100.102	1.12	342064	0.03	2000	
Se	77	1	nogas	96.059	96.059	2.43	18442	0.52	2000	
Se	82	1	nogas	100.613	100.613	2.67	19356	0.52	2000	
Sr	88	1	nogas	10.059	10.059	0.54	285967	0.00	2000	
Mo	95	1	nogas	101.297	101.297	1.77	585371	0.02	2000	
Ag	107	1	nogas	113.212	113.212	1.70	1445148	0.01	2000	
Cd	111	1	nogas	98.863	98.863	2.16	278614	0.04	2000	
Sn	118	1	nogas	1.069	1.069	16.84	11712	0.01	2000	
Sb	121	1	nogas	95.861	95.861	0.08	1203452	0.01	2000	
Ba	137	1	nogas	117.497	117.497	1.14	494997	0.02	2000	
Tl	205	1	nogas	100.938	100.938	4.31	2653208	0.00	2000	
Pb	208	1	nogas	99.565	99.565	3.66	3627682	0.00	2000	
U	238	1	nogas	0.051	0.051	6.30	2607	0.00	2000	
Na	23	2	He	29364.532	29364.532	0.89	55710553	0.05	200000	
Mg	24	2	He	10562.005	10562.005	0.55	11148458	0.09	200000	
Al	27	2	He	231.872	231.872	2.44	142337	0.16	2000	
K	39	2	He	14398.079	14398.079	1.34	15358589	0.09	200000	
Ca	43	2	He	11232.924	11232.924	0.51	32031	35.07	200000	
Ca	44	2	He	11363.654	11363.654	1.29	534203	2.13	200000	
V	51	2	He	100.743	100.743	0.35	643755	0.02	2000	
Cr	52	2	He	101.632	101.632	0.78	735825	0.01	2000	
Mn	55	2	He	159.020	159.020	1.15	823970	0.02	2000	
Fe	56	2	He	12138.461	12138.461	1.70	80986090	0.01	200000	
Co	59	2	He	100.369	100.369	1.25	946231	0.01	2000	
Ni	60	2	He	100.826	100.826	1.57	237737	0.04	2000	
Cu	63	2	He	102.156	102.156	1.27	612442	0.02	2000	
Zn	66	2	He	99.594	99.594	1.73	129126	0.08	2000	
As	75	2	He	98.259	98.259	0.94	93536	0.11	2000	
Sb	121	2	He	96.361	96.361	1.65	470147	0.02	2000	
Se	78	2	He	99.623	99.623	3.05	8533	1.17	2000	
Ti	47	2	He	103.370	103.370	1.02	27589	0.37	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2319430	1.79	2222435	104.36	70	120	
In	115	1	nogas	2550295	1.91	2487358	102.53	70	120	
Li	6	1	nogas	1107795	0.20	1125226	98.45	70	120	
Bi	209	1	nogas	2307742	2.66	2305146	100.11	70	120	

Sample Report

Ge	72	2	He	665707	1.02	633162	105.14	70	120	
In	115	2	He	923628	0.49	884304	104.45	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	323_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T22:59:36-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.103	1.052	559875	1.82	100	94.1	90	110	
B	11	1	nogas	465.552	1.583	1927546	2.30	500	93.1	90	110	
Al	27	1	nogas	104.880	1.496	1861474	1.98	100	104.9	90	110	
P	31	1	nogas	1259.891	1.316	185787	1.46	500	252.0	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	100.165	2.009	166919	2.54	100	100.2	90	110	
Ni	60	1	nogas	100.115	0.263	470037	0.44	100	100.1	90	110	
Cu	63	1	nogas	100.200	0.907	1113776	1.43	100	100.2	90	110	
Zn	66	1	nogas	99.119	0.255	346762	0.36	100	99.1	90	110	
Se	77	1	nogas	88.093	4.253	17701	2.94	100	88.1	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	98.827	0.902	19476	1.18	100	98.8	90	110	
Sr	88	1	nogas	94.704	0.904	2740955	1.67	100	94.7	90	110	
Mo	95	1	nogas	98.661	0.269	583602	1.38	100	98.7	90	110	
Ag	107	1	nogas	107.268	0.468	1401577	1.44	100	107.3	90	110	
Cd	111	1	nogas	97.582	1.521	281555	2.54	100	97.6	90	110	
Sn	118	1	nogas	97.854	0.856	864042	1.45	100	97.9	90	110	
Sb	121	1	nogas	97.412	1.108	1252050	1.53	100	97.4	90	110	
Ba	137	1	nogas	98.238	0.894	423689	2.00	100	98.2	90	110	
Tl	205	1	nogas	99.623	4.698	2700935	2.25	100	99.6	90	110	
Pb	208	1	nogas	97.436	4.593	3661280	2.15	100	97.4	90	110	
U	238	1	nogas	91.766	4.197	4168783	1.71	100	91.8	90	110	
Li	7	1	nogas	94.441	0.372	1722039	0.51	100	94.4	90	110	
Ba	135	1	nogas	97.152	1.441	240297	1.14	100	97.2	90	110	
Tl	203	1	nogas	98.158	3.464	1110457	0.98	100	98.2	90	110	
Na	23	2	He	9745.026	0.185	19089525	0.28	10000	97.5	90	110	
Mg	24	2	He	9832.940	0.278	10584567	0.27	10000	98.3	90	110	
Al	27	2	He	103.277	1.969	66694	2.18	100	103.3	90	110	
K	39	2	He	10120.746	1.073	11038892	1.01	10000	101.2	90	110	
Ca	43	2	He	9954.179	2.302	28951	1.99	10000	99.5	90	110	
Ca	44	2	He	9798.956	0.906	470038	0.54	10000	98.0	90	110	
V	51	2	He	98.058	0.502	639065	0.63	100	98.1	90	110	
Cr	52	2	He	98.808	1.504	729792	1.08	100	98.8	90	110	
Mn	55	2	He	99.876	0.968	528052	0.79	100	99.9	90	110	
Fe	56	2	He	10036.811	1.444	68300011	1.39	10000	100.4	90	110	
Co	59	2	He	99.527	1.074	956914	1.00	100	99.5	90	110	
Ni	60	2	He	101.348	0.693	243708	0.27	100	101.3	90	110	
Cu	63	2	He	99.815	0.469	610302	0.67	100	99.8	90	110	
Zn	66	2	He	98.762	0.673	130598	0.24	100	98.8	90	110	
As	75	2	He	97.243	1.286	94406	1.57	100	97.2	90	110	
Sb	121	2	He	97.685	0.788	486077	0.89	100	97.7	90	110	
Se	78	2	He	98.079	1.056	8570	0.62	100	98.1	90	110	
Ti	47	2	He	98.713	2.616	26871	2.82	100	98.7	90	110	
Zr	90	1	nogas	88.178	2.176	1677139	2.60	100	88.2	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2374623	0.60	2222435	106.85	70	120	
In	115	1	nogas	2610432	1.12	2487358	104.95	70	120	
Li	6	1	nogas	1074275	0.83	1125226	95.47	70	120	
Bi	209	1	nogas	2380382	2.56	2305146	103.26	70	120	
Ge	72	2	He	678877	0.42	633162	107.22	70	120	
In	115	2	He	934627	0.81	884304	105.69	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	324_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:02:01-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.051	23.0	392	18.6	2.5	
B	11	1	nogas	11.300	7.2	130023	2.9	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.729	-7.0	70090	2.9	5	
P	31	1	nogas	-11.564	-60.1	45906	1.7	2.5	
Ti	47	1	nogas	0.205	18.9	543	11.8	2.5	
Ni	60	1	nogas	-0.005	-711.9	930	19.7	2.5	
Cu	63	1	nogas	0.021	33.3	1843	4.1	5	
Zn	66	1	nogas	0.267	23.3	3607	6.0	2.5	
Se	77	1	nogas	-15.358	-7.6	2437	7.0	2.5	
Se	82	1	nogas	0.386	51.0	397	9.5	5	
Sr	88	1	nogas	0.026	25.4	2524	8.5	2.5	
Mo	95	1	nogas	0.573	31.0	3644	28.6	2.5	
Ag	107	1	nogas	0.065	21.5	950	18.6	2.5	
Cd	111	1	nogas	0.050	7.8	148	7.0	2.5	
Sn	118	1	nogas	0.719	9.9	8916	7.4	2.5	
Sb	121	1	nogas	1.134	11.6	15709	10.6	2	
Ba	137	1	nogas	-0.013	-226.5	390	33.3	2.5	
Tl	205	1	nogas	0.503	64.3	14034	67.0	2.5	
Pb	208	1	nogas	0.051	18.5	2817	16.1	2.5	
U	238	1	nogas	0.056	31.7	2954	31.3	2.5	
Na	23	2	He	-89.107	-1.9	179172	0.7	100	
Mg	24	2	He	2.387	8.8	4924	3.9	100	
Al	27	2	He	-1.627	-24.3	2647	8.3	5	
K	39	2	He	-4.658	-24.4	91017	1.0	100	
Ca	43	2	He	3.170	351.6	77	41.9	100	
Ca	44	2	He	-9.415	-27.7	1417	8.7	100	
V	51	2	He	-0.052	-80.1	2047	12.1	2.5	
Cr	52	2	He	-0.244	-31.8	7615	6.6	2.5	
Mn	55	2	He	0.047	86.5	973	22.1	2.5	
Fe	56	2	He	4.762	2.3	54646	2.5	100	
Co	59	2	He	0.050	14.5	540	13.0	2.5	
Ni	60	2	He	0.031	113.4	393	20.6	2.5	
Cu	63	2	He	0.048	34.3	950	11.0	5	
Zn	66	2	He	0.161	112.6	1257	18.8	2.5	
As	75	2	He	0.104	11.2	286	2.9	2.5	
Sb	121	2	He	0.804	13.9	4464	13.5	2	
Se	78	2	He	0.323	7.9	109	2.1	5	
Ti	47	2	He	0.178	34.0	80	21.7	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2385080	0.13	2222435	107.32	70	120	
In	115	1	nogas	2607570	0.82	2487358	104.83	70	120	
Li	6	1	nogas	1134362	0.48	1125226	100.81	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2386568	3.36	2305146	103.53	70	120	
Ge	72	2	He	674047	1.13	633162	106.46	70	120	
In	115	2	He	943298	0.27	884304	106.67	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSA
Data File Name	325ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:04:28-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	0.039	16.874	282	13.09	2	2.0	100	50	
B	11	1	nogas	14.890	3.415	127790	1.51	20	74.5	100	50	ICSA Main CR1 Failed
Al	27	1	nogas	102601.931	1.454	1592370163	1.16	10	1026019.3	100	0	
P	31	1	nogas	909451.580	0.750	92574465	1.16	20	4547257.9	100	50	ICSA Main CR1 FailedICSA Main CR2 Failed
Ti	47	1	nogas	2147.574	0.540	3301258	1.71	5	42951.5	100	50	ICSA Main CR1 Failed
Ni	60	1	nogas	1.629	5.452	7926	3.69	5	32.6	100	50	
Cu	63	1	nogas	1.199	6.321	13777	6.54	2	59.9	100	50	
Zn	66	1	nogas	3.841	3.328	14774	3.05	5	76.8	100	50	ICSA Main CR1 Failed
Se	77	1	nogas	8.655	21.310	5514	4.19	5	173.1	100	50	ICSA Main CR1 Failed
Se	82	1	nogas	0.077	558.725	310	25.61	2	3.9	100	50	
Sr	88	1	nogas	0.946	2.179	25566	1.76	5	18.9	100	50	
Mo	95	1	nogas	2275.211	1.207	11812432	1.33	5	45504.2	100	50	ICSA Main CR1 Failed
Ag	107	1	nogas	0.043	10.561	583	8.80	5	0.9	100	50	
Cd	111	1	nogas	0.737	6.948	1871	7.72	2	36.8	100	50	
Sn	118	1	nogas	0.644	1.495	7259	1.04	10	6.4	100	50	
Sb	121	1	nogas	0.460	5.896	6445	4.80	4	11.5	100	50	
Ba	137	1	nogas	0.749	7.932	3227	6.33	5	15.0	100	50	
Tl	205	1	nogas	0.052	2.960	1343	5.78	2	2.6	100	50	
Pb	208	1	nogas	0.912	6.097	30147	2.26	5	18.2	100	50	
U	238	1	nogas	0.009	28.022	667	17.06	5	0.2	0	50	
Li	7	1	nogas	0.592	6.228	80619	0.75		#DIV/0!	0	50	
Ba	135	1	nogas	0.753	5.550	1893	4.49		#DIV/0!	0	50	
Tl	203	1	nogas	0.039	1.126	463	3.30		#DIV/0!	0	50	
Na	23	2	He	107458.168	0.607	186787697	0.25	200	53729.1	100	0	
Mg	24	2	He	105123.182	0.335	102105795	0.88	200	52561.6	100	0	
Al	27	2	He	107545.185	1.700	59236356	1.10	10	1075451.8	100	0	
K	39	2	He	109685.633	1.133	107109405	0.74	200	54842.8	100	0	
Ca	43	2	He	100918.312	1.088	264343	0.97	200	50459.2	100	0	
Ca	44	2	He	107170.684	6.897	4622839	6.94	200	53585.3	100	0	
V	51	2	He	0.354	12.939	4238	6.60	5	7.1	100	50	
Cr	52	2	He	0.853	7.097	14143	3.36	5	17.1	100	50	
Mn	55	2	He	1.511	5.358	7859	4.93	5	30.2	100	50	
Fe	56	2	He	106911.727	1.181	656384724	1.03	200	53455.9	100	50	ICSA Main CR1 Failed
Co	59	2	He	1.095	2.992	9560	3.38	5	21.9	100	50	
Ni	60	2	He	1.247	6.323	2994	5.75	5	24.9	100	50	
Cu	63	2	He	0.800	1.533	5011	1.74	2	40.0	100	50	
Zn	66	2	He	3.367	5.534	4938	4.16	5	67.3	100	50	ICSA Main CR1 Failed
As	75	2	He	0.449	15.289	561	10.70	5	9.0	100	50	
Sb	121	2	He	0.477	9.014	2590	7.75	4	11.9	100	50	
Se	78	2	He	0.279	78.962	95	17.84	2	14.0	100	50	
Ti	47	2	He	2108.009	1.329	517243	0.89	5	42160.2	100	50	ICSA Main CR1 Failed
Cr	52	1	nogas	0.704	5.939	25238	4.53		#DIV/0!	0	50	
Mn	55	1	nogas	0.992	3.047	34557	2.52		#DIV/0!	0	50	
Co	59	1	nogas	1.007	4.054	20060	4.08		#DIV/0!	0	50	
V	51	1	nogas	0.197	31.893	4766	29.96		#DIV/0!	0	50	
Fe	56	1	nogas	105070.076	0.751	2315853619	1.82		#DIV/0!	0	50	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2193049	1.33	2222435	98.68	70	120	
In	115	1	nogas	2292205	0.77	2487358	92.15	70	120	
Li	6	1	nogas	999195	0.24	1125226	88.80	70	120	
Bi	209	1	nogas	2042457	3.84	2305146	88.60	70	120	
Ge	72	2	He	612683	0.64	633162	96.77	70	120	
In	115	2	He	808635	0.82	884304	91.44	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	326ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:06:53-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	93.024	1.130	480426	1.71	100	93.0	80	120	
B	11	1	nogas	511.660	1.779	1832065	1.90	100	511.7	80	120	ICSB Main CR1 Failed
Al	27	1	nogas	101307.723	1.016	1559697950	1.21	100100	101.2	80	120	
Ti	47	1	nogas	2246.276	0.775	3425006	1.27	2100	107.0	80	120	
Ni	60	1	nogas	94.669	0.751	407265	2.20	100	94.7	80	120	
Cu	63	1	nogas	93.231	0.893	949545	2.35	100	93.2	80	120	
Zn	66	1	nogas	99.236	0.287	318059	1.79	100	99.2	80	120	
Se	77	1	nogas	112.259	1.878	19486	2.26	100	112.3	80	120	
Se	82	1	nogas	101.280	0.850	18278	1.70	100	101.3	80	120	
Sr	88	1	nogas	99.450	0.871	2522889	1.84	100	99.5	80	120	
Mo	95	1	nogas	2348.958	1.294	12174440	2.22	2100	111.9	80	120	
Ag	107	1	nogas	108.561	1.050	1243359	1.88	100	108.6	80	120	
Cd	111	1	nogas	97.941	1.092	247686	1.97	100	97.9	80	120	
Sn	118	1	nogas	99.834	0.250	772739	2.38	100	99.8	80	120	
Sb	121	1	nogas	96.860	0.481	1140554	1.95	100	96.9	80	120	
Ba	137	1	nogas	101.015	1.032	381857	1.96	100	101.0	80	120	
Tl	205	1	nogas	100.204	4.752	2331773	3.36	100	100.2	80	120	
Pb	208	1	nogas	98.960	3.242	3192202	2.19	100	99.0	80	120	
U	238	1	nogas	93.568	3.961	3648535	2.84	100	93.6	80	120	
Li	7	1	nogas	98.817	0.773	1561027	0.92	100	98.8	80	120	
Na	23	2	He	112205.076	0.323	198104704	0.83	110000	102.0	80	120	
Mg	24	2	He	109591.617	0.382	108124708	1.05	110000	99.6	80	120	
Al	27	2	He	103674.091	0.868	58013946	2.02	100100	103.6	80	120	
K	39	2	He	114638.353	0.955	113719668	1.92	110000	104.2	80	120	
Ca	43	2	He	108435.041	0.700	288509	0.84	110000	98.6	80	120	
Ca	44	2	He	120492.518	1.354	5278839	0.67	110000	109.5	80	120	
V	51	2	He	98.277	1.492	587232	2.59	100	98.3	80	120	
Cr	52	2	He	96.298	0.380	652307	1.48	100	96.3	80	120	
Mn	55	2	He	98.181	1.147	475934	2.26	100	98.2	80	120	
Fe	56	2	He	112008.420	0.870	698595883	1.99	110000	101.8	80	120	
Co	59	2	He	95.239	0.334	839488	1.43	100	95.2	80	120	
Ni	60	2	He	93.058	1.262	205154	0.71	100	93.1	80	120	
Cu	63	2	He	92.297	1.473	517342	0.54	100	92.3	80	120	
Zn	66	2	He	97.034	1.326	117653	1.96	100	97.0	80	120	
As	75	2	He	99.728	1.395	88745	0.77	100	99.7	80	120	
Sb	121	2	He	97.356	0.873	444083	0.60	100	97.4	80	120	
Se	78	2	He	101.776	2.170	8149	1.46	100	101.8	80	120	
Ti	47	2	He	2151.671	1.133	536359	2.22	100	2151.7	80	120	ICSB Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2175445	1.52	2222435	97.89	70	120	
In	115	1	nogas	2288482	2.46	2487358	92.00	70	120	
Li	6	1	nogas	932586	1.57	1125226	82.88	70	120	
Bi	209	1	nogas	2042524	1.93	2305146	88.61	70	120	
Ge	72	2	He	622359	1.15	633162	98.29	70	120	
In	115	2	He	821795	1.40	884304	92.93	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	331_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:19:07-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	95.236	0.535	530070	1.10	100	95.2	90	110	
B	11	1	nogas	465.453	0.868	1802836	1.49	500	93.1	90	110	
Al	27	1	nogas	104.190	0.472	1763236	1.18	100	104.2	90	110	
P	31	1	nogas	1193.876	0.808	170173	2.07	500	238.8	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	99.725	0.444	158401	1.23	100	99.7	90	110	
Ni	60	1	nogas	99.128	1.190	443711	2.70	100	99.1	90	110	
Cu	63	1	nogas	99.823	0.363	1057738	1.98	100	99.8	90	110	
Zn	66	1	nogas	98.633	0.051	328947	1.57	100	98.6	90	110	
Se	77	1	nogas	87.974	1.548	16856	1.42	100	88.0	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	100.576	1.286	18889	1.96	100	100.6	90	110	
Sr	88	1	nogas	93.348	0.706	2616566	1.30	100	93.3	90	110	
Mo	95	1	nogas	98.135	0.891	562178	0.88	100	98.1	90	110	
Ag	107	1	nogas	106.424	1.207	1346614	0.29	100	106.4	90	110	
Cd	111	1	nogas	97.968	0.553	273753	1.77	100	98.0	90	110	
Sn	118	1	nogas	98.758	0.400	844523	1.08	100	98.8	90	110	
Sb	121	1	nogas	99.978	0.883	1224812	1.10	100	100.0	90	110	
Ba	137	1	nogas	98.058	0.332	409574	1.38	100	98.1	90	110	
Tl	205	1	nogas	99.418	3.561	2621848	1.28	100	99.4	90	110	
Pb	208	1	nogas	97.513	3.462	3564174	1.13	100	97.5	90	110	
U	238	1	nogas	92.023	5.032	4065224	2.88	100	92.0	90	110	
Li	7	1	nogas	94.953	0.349	1619421	1.04	100	95.0	90	110	
Ba	135	1	nogas	97.451	0.569	233480	2.00	100	97.5	90	110	
Tl	203	1	nogas	97.749	4.766	1075248	2.56	100	97.7	90	110	
Na	23	2	He	9482.102	1.209	17985615	1.34	10000	94.8	90	110	
Mg	24	2	He	9548.768	0.579	9947564	0.06	10000	95.5	90	110	
Al	27	2	He	102.764	1.680	64238	1.09	100	102.8	90	110	
K	39	2	He	9911.720	0.536	10464884	0.95	10000	99.1	90	110	
Ca	43	2	He	9676.839	0.038	27241	0.49	10000	96.8	90	110	
Ca	44	2	He	9653.939	0.336	448206	0.66	10000	96.5	90	110	
V	51	2	He	97.427	0.164	614516	0.46	100	97.4	90	110	
Cr	52	2	He	97.754	0.229	698886	0.74	100	97.8	90	110	
Mn	55	2	He	97.592	0.749	499395	1.16	100	97.6	90	110	
Fe	56	2	He	9961.918	0.226	65607884	0.54	10000	99.6	90	110	
Co	59	2	He	98.119	0.200	913014	0.65	100	98.1	90	110	
Ni	60	2	He	98.311	0.582	228802	0.55	100	98.3	90	110	
Cu	63	2	He	98.056	0.525	580244	0.38	100	98.1	90	110	
Zn	66	2	He	97.514	0.165	124810	0.65	100	97.5	90	110	
As	75	2	He	96.949	0.665	91090	1.13	100	96.9	90	110	
Sb	121	2	He	97.643	0.506	470225	1.03	100	97.6	90	110	
Se	78	2	He	97.560	1.324	8251	1.84	100	97.6	90	110	
Ti	47	2	He	96.646	2.545	25458	2.02	100	96.6	90	110	
Zr	90	1	nogas	85.936	0.159	1583018	1.30	100	85.9	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2263631	1.62	2222435	101.85	70	120	
In	115	1	nogas	2528290	1.45	2487358	101.65	70	120	
Li	6	1	nogas	1005016	0.71	1125226	89.32	70	120	
Bi	209	1	nogas	2314904	2.41	2305146	100.42	70	120	
Ge	72	2	He	657013	0.53	633162	103.77	70	120	
In	115	2	He	909627	0.56	884304	102.86	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	332_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:21:34-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.053	16.8	385	13.7	2.5	
B	11	1	nogas	8.002	10.2	110311	3.0	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.111	-5.9	76557	1.1	5	
P	31	1	nogas	-54.418	-21.9	39137	2.8	2.5	
Ti	47	1	nogas	0.310	18.9	683	13.6	2.5	
Ni	60	1	nogas	0.002	262.2	917	2.3	2.5	
Cu	63	1	nogas	0.034	28.5	1893	5.1	5	
Zn	66	1	nogas	0.291	27.2	3507	7.1	2.5	
Se	77	1	nogas	-15.191	-10.4	2340	9.2	2.5	
Se	82	1	nogas	0.365	66.5	373	12.1	5	
Sr	88	1	nogas	0.023	10.8	2320	3.3	2.5	
Mo	95	1	nogas	0.725	17.2	4367	16.5	2.5	
Ag	107	1	nogas	0.061	17.9	867	15.7	2.5	
Cd	111	1	nogas	0.045	36.5	128	35.8	2.5	
Sn	118	1	nogas	0.683	17.3	8269	12.3	2.5	
Sb	121	1	nogas	1.214	10.5	15912	9.5	2	
Ba	137	1	nogas	-0.010	-112.9	390	11.2	2.5	
Tl	205	1	nogas	0.480	59.9	13215	63.4	2.5	
Pb	208	1	nogas	0.053	10.5	2874	11.4	2.5	
U	238	1	nogas	0.058	26.9	2990	27.8	2.5	
Na	23	2	He	-108.599	-1.4	136666	1.2	100	
Mg	24	2	He	3.211	12.1	5588	6.8	100	
Al	27	2	He	-1.047	-14.0	2887	2.5	5	
K	39	2	He	-3.021	-33.3	89314	1.0	100	
Ca	43	2	He	-0.570	-755.8	63	18.2	100	
Ca	44	2	He	-9.705	-26.1	1350	7.8	100	
V	51	2	He	-0.068	-13.6	1869	3.8	2.5	
Cr	52	2	He	-0.273	-5.6	7132	2.3	2.5	
Mn	55	2	He	0.032	39.1	860	8.1	2.5	
Fe	56	2	He	5.970	5.0	60458	3.5	100	
Co	59	2	He	0.047	5.1	490	5.4	2.5	
Ni	60	2	He	0.052	49.5	427	12.9	2.5	
Cu	63	2	He	0.044	10.6	893	2.8	5	
Zn	66	2	He	0.142	18.2	1187	3.2	2.5	
As	75	2	He	0.077	3.6	250	0.0	2.5	
Sb	121	2	He	0.884	5.9	4674	5.7	2	
Se	78	2	He	0.316	11.1	104	1.9	5	
Ti	47	2	He	0.190	34.0	80	21.7	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2267836	0.46	2222435	102.04	70	120	
In	115	1	nogas	2507715	0.37	2487358	100.82	70	120	
Li	6	1	nogas	1076986	0.14	1125226	95.71	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2344980	4.24	2305146	101.73	70	120	
Ge	72	2	He	648892	1.02	633162	102.48	70	120	
In	115	2	He	907187	0.80	884304	102.59	70	120	

Sample Report

Sample Table

Sample Name	HS24061313-01SD
Data File Name	334SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:26:29-05:00
Sample Type	Sample
Dilution	5
Comment	TW DOD B 214363
ISTD Ref FileName	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.008	0.041	87.06	120	0.01	2000	
B	11	1	nogas	5.622	28.109	8.38	101965	0.01	2000	
Al	27	1	nogas	3.852	19.258	11.17	158692	0.00	2000	
Ti	47	1	nogas	0.545	2.723	12.38	1073	0.05	2000	
Ni	60	1	nogas	2.422	12.111	6.46	11935	0.02	2000	
Cu	63	1	nogas	0.125	0.624	4.10	2900	0.00	2000	
Zn	66	1	nogas	0.856	4.279	11.14	5468	0.02	2000	
Se	77	1	nogas	-10.709	-53.545	-12.13	3020	-0.35	2000	
Se	82	1	nogas	-0.235	-1.173	-112.09	267	-0.09	2000	
Sr	88	1	nogas	24.387	121.936	0.72	694863	0.00	2000	
Mo	95	1	nogas	0.570	2.848	11.16	3564	0.02	2000	
Ag	107	1	nogas	0.009	0.047	52.53	227	0.00	2000	
Cd	111	1	nogas	0.024	0.122	35.49	73	0.03	2000	
Sn	118	1	nogas	0.077	0.385	16.96	3217	0.00	2000	
Sb	121	1	nogas	0.198	0.991	3.18	3510	0.01	2000	
Ba	137	1	nogas	21.716	108.580	1.61	92381	0.02	2000	
Tl	205	1	nogas	0.011	0.054	23.24	463	0.00	2000	
Pb	208	1	nogas	0.032	0.159	13.21	2090	0.00	2000	
U	238	1	nogas	0.008	0.038	39.03	723	0.00	2000	
Na	23	2	He	5089.243	25446.216	0.66	9845400	0.05	200000	
Mg	24	2	He	645.097	3225.484	1.04	676544	0.10	200000	
Al	27	2	He	3.845	19.226	15.11	5835	0.07	2000	
K	39	2	He	414.758	2073.790	1.09	529409	0.08	200000	
Ca	43	2	He	1379.531	6897.653	1.83	3954	34.89	200000	
Ca	44	2	He	1286.522	6432.609	2.41	61518	2.09	200000	
V	51	2	He	0.024	0.121	344.19	2483	0.00	2000	
Cr	52	2	He	1.121	5.607	7.48	17117	0.01	2000	
Mn	55	2	He	19.104	95.521	0.85	98668	0.02	2000	
Fe	56	2	He	1460.012	7300.059	0.64	9667692	0.02	200000	
Co	59	2	He	0.043	0.215	16.84	460	0.01	2000	
Ni	60	2	He	2.677	13.383	4.92	6555	0.04	2000	
Cu	63	2	He	0.142	0.709	10.33	1487	0.01	2000	
Zn	66	2	He	0.808	4.039	19.68	2054	0.04	2000	
As	75	2	He	0.011	0.056	278.47	192	0.01	2000	
Sb	121	2	He	0.175	0.874	18.29	1327	0.01	2000	
Se	78	2	He	0.113	0.564	75.93	89	0.13	2000	
Ti	47	2	He	0.501	2.505	42.01	163	0.31	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2303994	0.33	2222435	103.67	70	120	
In	115	1	nogas	2565267	1.01	2487358	103.13	70	120	
Li	6	1	nogas	1089217	1.52	1125226	96.80	70	120	
Bi	209	1	nogas	2380303	3.49	2305146	103.26	70	120	

Sample Report

Ge	72	2	He	659309	0.48	633162	104.13	70	120	
In	115	2	He	927490	0.70	884304	104.88	70	120	

Sample Report

Sample Table

Sample Name	HS24061313-01PDS
Data File Name	337SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:33:52-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	89.335	89.335	0.86	515647	0.02	2000	
B	11	1	nogas	18.417	18.417	3.25	146874	0.01	2000	
Al	27	1	nogas	115.688	115.688	1.16	1937446	0.01	2000	
Ti	47	1	nogas	100.945	100.945	1.39	159549	0.06	2000	
Ni	60	1	nogas	105.799	105.799	0.59	471056	0.02	2000	
Cu	63	1	nogas	95.922	95.922	1.05	1011194	0.01	2000	
Zn	66	1	nogas	96.939	96.939	0.59	321722	0.03	2000	
Se	77	1	nogas	95.114	95.114	1.16	17771	0.54	2000	
Se	82	1	nogas	93.038	93.038	1.73	17410	0.53	2000	
Sr	88	1	nogas	118.671	118.671	0.21	3268259	0.00	2000	
Mo	95	1	nogas	98.191	98.191	0.62	552779	0.02	2000	
Ag	107	1	nogas	108.850	108.850	1.00	1353426	0.01	2000	
Cd	111	1	nogas	95.104	95.104	0.25	261128	0.04	2000	
Sn	118	1	nogas	0.961	0.961	10.25	10511	0.01	2000	
Sb	121	1	nogas	92.745	92.745	1.36	1130686	0.01	2000	
Ba	137	1	nogas	203.426	203.426	0.72	834551	0.02	2000	
Tl	205	1	nogas	96.826	96.826	3.58	2478028	0.00	2000	
Pb	208	1	nogas	96.333	96.333	3.43	3417083	0.00	2000	
U	238	1	nogas	0.062	0.062	4.72	2994	0.00	2000	
Na	23	2	He	34032.706	34032.706	1.22	62829536	0.05	200000	
Mg	24	2	He	13018.366	13018.366	1.62	13382010	0.10	200000	
Al	27	2	He	112.204	112.204	1.73	68895	0.16	2000	
K	39	2	He	12208.414	12208.414	0.32	12697707	0.10	200000	
Ca	43	2	He	15727.796	15727.796	1.60	43650	36.03	200000	
Ca	44	2	He	15510.636	15510.636	0.13	709502	2.19	200000	
V	51	2	He	95.493	95.493	0.48	594393	0.02	2000	
Cr	52	2	He	103.110	103.110	0.35	726933	0.01	2000	
Mn	55	2	He	183.955	183.955	0.46	928248	0.02	2000	
Fe	56	2	He	16707.281	16707.281	0.61	108560992	0.02	200000	
Co	59	2	He	95.203	95.203	0.32	874161	0.01	2000	
Ni	60	2	He	107.231	107.231	0.45	246235	0.04	2000	
Cu	63	2	He	96.470	96.470	0.89	563324	0.02	2000	
Zn	66	2	He	96.069	96.069	2.34	121348	0.08	2000	
As	75	2	He	94.453	94.453	1.17	87572	0.11	2000	
Sb	121	2	He	92.191	92.191	1.02	438112	0.02	2000	
Se	78	2	He	92.290	92.290	2.03	7706	1.20	2000	
Ti	47	2	He	96.416	96.416	2.28	25064	0.38	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2252160	1.54	2222435	101.34	70	120	
In	115	1	nogas	2484420	1.62	2487358	99.88	70	120	
Li	6	1	nogas	1042290	1.13	1125226	92.63	70	120	
Bi	209	1	nogas	2246389	2.22	2305146	97.45	70	120	

Sample Report

Ge	72	2	He	648321	0.20	633162	102.39	70	120	
In	115	2	He	900298	0.08	884304	101.81	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	338_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:36:20-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.694	0.562	534029	1.09	100	94.7	90	110	
B	11	1	nogas	459.777	1.081	1805291	1.40	500	92.0	90	110	
Al	27	1	nogas	101.877	0.781	1756214	1.08	100	101.9	90	110	
P	31	1	nogas	1196.560	1.302	173400	0.88	500	239.3	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	99.148	1.004	160219	0.65	100	99.1	90	110	
Ni	60	1	nogas	100.019	0.572	455414	1.15	100	100.0	90	110	
Cu	63	1	nogas	99.123	1.389	1068426	0.44	100	99.1	90	110	
Zn	66	1	nogas	98.679	0.675	334806	0.97	100	98.7	90	110	
Se	77	1	nogas	88.773	3.937	17270	4.37	100	88.8	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	96.347	3.894	18418	3.11	100	96.3	90	110	
Sr	88	1	nogas	94.910	1.187	2662363	1.92	100	94.9	90	110	
Mo	95	1	nogas	97.492	1.989	558950	2.56	100	97.5	90	110	
Ag	107	1	nogas	106.064	0.885	1343116	1.01	100	106.1	90	110	
Cd	111	1	nogas	96.837	1.832	270761	1.67	100	96.8	90	110	
Sn	118	1	nogas	98.064	2.002	839229	2.33	100	98.1	90	110	
Sb	121	1	nogas	98.030	1.286	1221843	1.00	100	98.0	90	110	
Ba	137	1	nogas	98.048	1.263	409804	1.24	100	98.0	90	110	
Tl	205	1	nogas	99.785	4.788	2647306	2.25	100	99.8	90	110	
Pb	208	1	nogas	97.429	5.032	3582299	2.52	100	97.4	90	110	
U	238	1	nogas	91.008	4.654	4045505	2.20	100	91.0	90	110	
Li	7	1	nogas	94.491	0.318	1633192	0.51	100	94.5	90	110	
Ba	135	1	nogas	97.737	0.873	234306	0.89	100	97.7	90	110	
Tl	203	1	nogas	98.425	5.419	1089244	2.89	100	98.4	90	110	
Na	23	2	He	9788.041	1.778	18542386	1.87	10000	97.9	90	110	
Mg	24	2	He	9874.260	1.224	10279675	1.18	10000	98.7	90	110	
Al	27	2	He	102.824	0.999	64234	1.19	100	102.8	90	110	
K	39	2	He	10160.719	1.661	10718028	1.72	10000	101.6	90	110	
Ca	43	2	He	9743.118	0.893	27408	0.75	10000	97.4	90	110	
Ca	44	2	He	9747.528	1.440	452202	0.88	10000	97.5	90	110	
V	51	2	He	98.767	0.680	622508	0.46	100	98.8	90	110	
Cr	52	2	He	99.355	0.649	709694	0.65	100	99.4	90	110	
Mn	55	2	He	100.165	0.861	512171	0.26	100	100.2	90	110	
Fe	56	2	He	10234.157	1.682	67348862	0.75	10000	102.3	90	110	
Co	59	2	He	99.945	0.466	929367	0.67	100	99.9	90	110	
Ni	60	2	He	99.904	1.273	232335	0.37	100	99.9	90	110	
Cu	63	2	He	99.468	1.208	588164	0.31	100	99.5	90	110	
Zn	66	2	He	98.497	0.822	125979	1.67	100	98.5	90	110	
As	75	2	He	98.426	0.485	92410	0.73	100	98.4	90	110	
Sb	121	2	He	97.811	1.483	470676	0.80	100	97.8	90	110	
Se	78	2	He	95.943	0.949	8110	0.89	100	95.9	90	110	
Ti	47	2	He	97.972	0.679	25792	0.93	100	98.0	90	110	
Zr	90	1	nogas	86.859	1.393	1601244	2.22	100	86.9	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2303040	1.57	2222435	103.63	70	120	
In	115	1	nogas	2530021	0.86	2487358	101.72	70	120	
Li	6	1	nogas	1018326	0.78	1125226	90.50	70	120	
Bi	209	1	nogas	2329414	2.61	2305146	101.05	70	120	
Ge	72	2	He	656580	0.93	633162	103.70	70	120	
In	115	2	He	898855	0.54	884304	101.65	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	339_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:38:48-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.053	3.0	397	2.9	2.5	
B	11	1	nogas	3.510	24.9	94589	4.2	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.682	-2.8	68104	1.7	5	
P	31	1	nogas	-37.156	-13.7	41380	1.5	2.5	
Ti	47	1	nogas	0.177	49.8	477	29.7	2.5	
Ni	60	1	nogas	-0.010	-358.2	873	19.1	2.5	
Cu	63	1	nogas	0.046	5.1	2040	1.5	5	
Zn	66	1	nogas	0.266	19.8	3460	5.6	2.5	
Se	77	1	nogas	-13.211	-1.4	2647	0.6	2.5	
Se	82	1	nogas	0.273	67.6	360	9.6	5	
Sr	88	1	nogas	0.028	18.2	2530	5.2	2.5	
Mo	95	1	nogas	0.562	22.0	3514	19.9	2.5	
Ag	107	1	nogas	0.063	19.2	920	16.7	2.5	
Cd	111	1	nogas	0.058	36.5	168	35.7	2.5	
Sn	118	1	nogas	0.692	13.0	8529	8.5	2.5	
Sb	121	1	nogas	1.143	14.2	15195	13.3	2	
Ba	137	1	nogas	0.004	537.0	457	20.3	2.5	
Tl	205	1	nogas	0.491	61.6	13563	64.8	2.5	
Pb	208	1	nogas	0.061	15.6	3170	14.1	2.5	
U	238	1	nogas	0.057	26.7	2940	27.3	2.5	
Na	23	2	He	-107.283	-0.8	139380	0.8	100	
Mg	24	2	He	3.180	7.3	5568	4.0	100	
Al	27	2	He	-1.542	-21.3	2604	6.9	5	
K	39	2	He	-2.181	-83.6	90364	1.8	100	
Ca	43	2	He	-3.028	-71.6	57	10.2	100	
Ca	44	2	He	-6.647	-40.6	1493	8.4	100	
V	51	2	He	-0.078	-31.1	1814	7.9	2.5	
Cr	52	2	He	-0.286	-24.0	7052	7.1	2.5	
Mn	55	2	He	0.079	32.8	1100	12.3	2.5	
Fe	56	2	He	5.253	3.7	55904	1.7	100	
Co	59	2	He	0.047	14.7	493	12.9	2.5	
Ni	60	2	He	0.047	7.2	417	1.4	2.5	
Cu	63	2	He	0.060	32.5	987	10.9	5	
Zn	66	2	He	0.225	45.1	1293	10.4	2.5	
As	75	2	He	0.100	31.8	272	11.0	2.5	
Sb	121	2	He	0.821	7.0	4387	6.3	2	
Se	78	2	He	0.466	38.1	117	12.0	5	
Ti	47	2	He	0.112	58.2	60	28.9	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2291253	0.57	2222435	103.10	70	120	
In	115	1	nogas	2562671	0.74	2487358	103.03	70	120	
Li	6	1	nogas	1102124	0.49	1125226	97.95	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2356735	3.82	2305146	102.24	70	120	
Ge	72	2	He	650212	0.59	633162	102.69	70	120	
In	115	2	He	905579	0.54	884304	102.41	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	347_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-04T23:58:45-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.615	1.919	536514	1.46	100	94.6	90	110	
B	11	1	nogas	457.202	2.672	1805401	2.02	500	91.4	90	110	
Al	27	1	nogas	103.255	0.549	1766545	1.17	100	103.3	90	110	
P	31	1	nogas	1243.166	3.857	177127	1.54	500	248.6	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	100.136	0.730	160717	1.24	100	100.1	90	110	
Ni	60	1	nogas	98.936	0.438	447450	1.88	100	98.9	90	110	
Cu	63	1	nogas	98.727	0.473	1057012	1.29	100	98.7	90	110	
Zn	66	1	nogas	97.948	0.284	330098	1.61	100	97.9	90	110	
Se	77	1	nogas	92.093	3.818	17617	2.56	100	92.1	90	110	
Se	82	1	nogas	99.415	3.915	18862	2.25	100	99.4	90	110	
Sr	88	1	nogas	93.505	0.800	2622773	1.11	100	93.5	90	110	
Mo	95	1	nogas	96.731	0.961	554526	0.79	100	96.7	90	110	
Ag	107	1	nogas	106.132	0.670	1343975	1.13	100	106.1	90	110	
Cd	111	1	nogas	96.669	0.903	270302	1.39	100	96.7	90	110	
Sn	118	1	nogas	98.249	1.227	840781	1.58	100	98.2	90	110	
Sb	121	1	nogas	96.030	0.819	1188961	2.25	100	96.0	90	110	
Ba	137	1	nogas	96.951	1.344	405239	1.78	100	97.0	90	110	
Tl	205	1	nogas	96.636	5.090	2559205	1.78	100	96.6	90	110	
Pb	208	1	nogas	95.925	5.227	3520752	1.86	100	95.9	90	110	
U	238	1	nogas	90.496	5.541	4014985	2.20	100	90.5	90	110	
Li	7	1	nogas	94.443	1.047	1641434	0.46	100	94.4	90	110	
Ba	135	1	nogas	97.798	1.474	234460	1.93	100	97.8	90	110	
Tl	203	1	nogas	95.749	5.168	1057884	2.17	100	95.7	90	110	
Na	23	2	He	9686.168	1.122	18490242	0.56	10000	96.9	90	110	
Mg	24	2	He	9883.253	1.604	10366198	1.29	10000	98.8	90	110	
Al	27	2	He	101.708	2.095	64050	1.70	100	101.7	90	110	
K	39	2	He	10008.905	0.783	10638556	0.55	10000	100.1	90	110	
Ca	43	2	He	9702.820	6.338	27495	5.79	10000	97.0	90	110	
Ca	44	2	He	9689.132	2.754	452869	2.24	10000	96.9	90	110	
V	51	2	He	97.425	1.666	618679	1.17	100	97.4	90	110	
Cr	52	2	He	98.292	1.508	707455	0.97	100	98.3	90	110	
Mn	55	2	He	98.567	1.617	507788	1.09	100	98.6	90	110	
Fe	56	2	He	10074.280	1.130	66799724	0.81	10000	100.7	90	110	
Co	59	2	He	99.085	0.602	928308	0.90	100	99.1	90	110	
Ni	60	2	He	99.149	0.503	232329	0.53	100	99.1	90	110	
Cu	63	2	He	99.135	0.752	590628	0.30	100	99.1	90	110	
Zn	66	2	He	97.514	0.768	125664	0.98	100	97.5	90	110	
As	75	2	He	96.476	1.211	91261	0.68	100	96.5	90	110	
Sb	121	2	He	95.836	0.505	464678	0.42	100	95.8	90	110	
Se	78	2	He	96.830	2.813	8245	2.47	100	96.8	90	110	
Ti	47	2	He	97.629	3.151	25893	2.63	100	97.6	90	110	
Zr	90	1	nogas	86.694	0.579	1598057	0.92	100	86.7	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2287315	1.61	2222435	102.92	70	120	
In	115	1	nogas	2529932	0.49	2487358	101.71	70	120	
Li	6	1	nogas	1023996	0.66	1125226	91.00	70	120	
Bi	209	1	nogas	2326145	3.64	2305146	100.91	70	120	
Ge	72	2	He	661509	0.54	633162	104.48	70	120	
In	115	2	He	908754	1.26	884304	102.76	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	348_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T00:01:15-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.049	8.4	375	6.7	2.5	
B	11	1	nogas	2.675	32.0	91933	3.7	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.681	-3.4	69081	1.3	5	
P	31	1	nogas	-28.378	-8.3	42914	0.6	2.5	
Ti	47	1	nogas	0.150	12.3	440	6.8	2.5	
Ni	60	1	nogas	-0.018	-138.9	850	13.3	2.5	
Cu	63	1	nogas	0.030	18.6	1893	3.2	5	
Zn	66	1	nogas	0.352	8.5	3804	2.7	2.5	
Se	77	1	nogas	-10.680	-9.0	3050	4.5	2.5	
Se	82	1	nogas	0.088	524.0	330	26.4	5	
Sr	88	1	nogas	0.033	37.2	2694	12.7	2.5	
Mo	95	1	nogas	0.450	28.2	2887	25.4	2.5	
Ag	107	1	nogas	0.057	9.7	843	8.3	2.5	
Cd	111	1	nogas	0.049	57.5	143	55.9	2.5	
Sn	118	1	nogas	0.615	10.1	7932	6.5	2.5	
Sb	121	1	nogas	0.731	15.6	10231	14.1	2	
Ba	137	1	nogas	0.000	-75105.9	443	20.2	2.5	
Tl	205	1	nogas	0.473	60.5	13048	63.4	2.5	
Pb	208	1	nogas	0.056	20.2	2980	17.8	2.5	
U	238	1	nogas	0.065	30.5	3304	30.9	2.5	
Na	23	2	He	-112.262	-1.6	130444	2.7	100	
Mg	24	2	He	3.018	12.5	5411	7.3	100	
Al	27	2	He	-1.852	-6.3	2427	2.6	5	
K	39	2	He	-3.224	-55.8	89444	2.3	100	
Ca	43	2	He	-9.061	-142.7	40	90.1	100	
Ca	44	2	He	-8.156	-1.8	1427	0.4	100	
V	51	2	He	-0.059	-96.3	1938	18.1	2.5	
Cr	52	2	He	-0.269	-24.9	7185	6.4	2.5	
Mn	55	2	He	0.084	15.7	1123	5.9	2.5	
Fe	56	2	He	4.927	3.5	53880	2.3	100	
Co	59	2	He	0.051	8.5	527	7.7	2.5	
Ni	60	2	He	0.040	84.6	400	19.5	2.5	
Cu	63	2	He	0.038	74.4	860	19.2	5	
Zn	66	2	He	0.200	25.4	1263	5.3	2.5	
As	75	2	He	0.136	39.4	306	16.1	2.5	
Sb	121	2	He	0.468	12.0	2707	10.1	2	
Se	78	2	He	0.262	9.8	100	2.0	5	
Ti	47	2	He	0.010	603.3	33	45.8	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2323806	0.05	2222435	104.56	70	120	
In	115	1	nogas	2584935	0.35	2487358	103.92	70	120	
Li	6	1	nogas	1111308	0.10	1125226	98.76	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2355554	3.59	2305146	102.19	70	120	
Ge	72	2	He	651329	0.22	633162	102.87	70	120	
In	115	2	He	910784	0.52	884304	102.99	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-01
Data File Name	352SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T00:11:17-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.068	0.068	13.78	470	0.01	2000	
B	11	1	nogas	24.519	24.519	3.39	173659	0.01	2000	
Al	27	1	nogas	66.362	66.362	4.80	1150969	0.01	2000	
Ti	47	1	nogas	1.622	1.622	4.28	2750	0.06	2000	
Ni	60	1	nogas	15.667	15.667	3.73	70502	0.02	2000	
Cu	63	1	nogas	19.870	19.870	2.51	210673	0.01	2000	
Zn	66	1	nogas	35.278	35.278	0.98	118701	0.03	2000	
Se	77	1	nogas	10.658	10.658	18.52	5945	0.18	2000	
Se	82	1	nogas	0.465	0.465	54.15	390	0.12	2000	
Sr	88	1	nogas	42.184	42.184	0.81	1159962	0.00	2000	
Mo	95	1	nogas	4.531	4.531	2.66	25673	0.02	2000	
Ag	107	1	nogas	0.016	0.016	39.83	303	0.01	2000	
Cd	111	1	nogas	0.016	0.016	185.71	47	0.03	2000	
Sn	118	1	nogas	0.254	0.254	1.43	4591	0.01	2000	
Sb	121	1	nogas	1.002	1.002	5.17	13213	0.01	2000	
Ba	137	1	nogas	48.951	48.951	0.64	200609	0.02	2000	
Tl	205	1	nogas	0.008	0.008	31.79	377	0.00	2000	
Pb	208	1	nogas	9.825	9.825	3.68	355575	0.00	2000	
U	238	1	nogas	0.197	0.197	1.63	8976	0.00	2000	
Na	23	2	He	49930.622	49930.622	0.35	91333362	0.05	200000	
Mg	24	2	He	1976.749	1976.749	1.13	2018560	0.10	200000	
Al	27	2	He	66.554	66.554	2.42	41972	0.16	2000	
K	39	2	He	776.675	776.675	1.22	887556	0.09	200000	
Ca	43	2	He	2410.393	2410.393	7.48	6692	36.02	200000	
Ca	44	2	He	2470.567	2470.567	1.75	113650	2.17	200000	
V	51	2	He	1.205	1.205	12.84	9687	0.01	2000	
Cr	52	2	He	16.810	16.810	1.90	125111	0.01	2000	
Mn	55	2	He	164.874	164.874	0.74	825778	0.02	2000	
Fe	56	2	He	5736.656	5736.656	1.05	37009369	0.02	200000	
Co	59	2	He	7.011	7.011	2.32	63939	0.01	2000	
Ni	60	2	He	15.926	15.926	1.74	36555	0.04	2000	
Cu	63	2	He	20.313	20.313	1.55	118219	0.02	2000	
Zn	66	2	He	34.696	34.696	0.78	44135	0.08	2000	
As	75	2	He	2.917	2.917	2.34	2856	0.10	2000	
Sb	121	2	He	0.973	0.973	5.97	5054	0.02	2000	
Se	78	2	He	0.522	0.522	41.77	120	0.43	2000	
Ti	47	2	He	1.461	1.461	8.25	407	0.36	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2252852	2.53	2222435	101.37	70	120	
In	115	1	nogas	2478142	1.65	2487358	99.63	70	120	
Li	6	1	nogas	1062377	1.46	1125226	94.41	70	120	
Bi	209	1	nogas	2287244	2.65	2305146	99.22	70	120	

Sample Report

Ge	72	2	He	643461	0.73	633162	101.63	70	120	
In	115	2	He	888067	0.61	884304	100.43	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-02
Data File Name	353SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T00:13:47-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.039	0.039	10.84	290	0.01	2000	
B	11	1	nogas	114.510	114.510	1.03	509033	0.02	2000	
Al	27	1	nogas	9.187	9.187	6.99	237200	0.00	2000	
Ti	47	1	nogas	1.641	1.641	15.35	2744	0.06	2000	
Ni	60	1	nogas	31.706	31.706	1.39	139987	0.02	2000	
Cu	63	1	nogas	2.128	2.128	1.58	23619	0.01	2000	
Zn	66	1	nogas	30.949	30.949	0.54	103093	0.03	2000	
Se	77	1	nogas	23.329	23.329	7.61	7622	0.31	2000	
Se	82	1	nogas	0.089	0.089	471.44	317	0.03	2000	
Sr	88	1	nogas	261.633	261.633	0.50	7043044	0.00	2000	
Mo	95	1	nogas	0.565	0.565	5.29	3350	0.02	2000	
Ag	107	1	nogas	0.007	0.007	50.40	190	0.00	2000	
Cd	111	1	nogas	0.091	0.091	17.32	248	0.04	2000	
Sn	118	1	nogas	0.210	0.210	16.96	4134	0.01	2000	
Sb	121	1	nogas	0.082	0.082	10.64	1990	0.00	2000	
Ba	137	1	nogas	69.567	69.567	0.88	279292	0.02	2000	
Tl	205	1	nogas	0.011	0.011	40.26	410	0.00	2000	
Pb	208	1	nogas	0.030	0.030	7.24	1850	0.00	2000	
U	238	1	nogas	0.146	0.146	2.26	6368	0.00	2000	
Na	23	2	He	146329.401	146329.401	0.99	266747836	0.05	200000	
Mg	24	2	He	11519.874	11519.874	0.60	11741386	0.10	200000	
Al	27	2	He	10.566	10.566	14.18	9571	0.11	2000	
K	39	2	He	1011.334	1011.334	0.19	1126916	0.09	200000	
Ca	43	2	He	12886.576	12886.576	0.52	35472	36.33	200000	
Ca	44	2	He	12890.362	12890.362	1.21	584928	2.20	200000	
V	51	2	He	0.422	0.422	5.06	4865	0.01	2000	
Cr	52	2	He	4.710	4.710	2.41	41460	0.01	2000	
Mn	55	2	He	57.951	57.951	0.30	290414	0.02	2000	
Fe	56	2	He	73.484	73.484	0.52	494773	0.01	200000	
Co	59	2	He	1.680	1.680	5.17	15351	0.01	2000	
Ni	60	2	He	31.300	31.300	1.09	71480	0.04	2000	
Cu	63	2	He	1.732	1.732	1.07	10647	0.02	2000	
Zn	66	2	He	30.871	30.871	1.71	39342	0.08	2000	
As	75	2	He	0.369	0.369	8.38	516	0.07	2000	
Sb	121	2	He	0.057	0.057	52.15	740	0.01	2000	
Se	78	2	He	0.140	0.140	83.41	89	0.16	2000	
Ti	47	2	He	1.604	1.604	6.19	443	0.36	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2223424	1.29	2222435	100.04	70	120	
In	115	1	nogas	2428999	0.67	2487358	97.65	70	120	
Li	6	1	nogas	1025776	0.90	1125226	91.16	70	120	
Bi	209	1	nogas	2159478	3.42	2305146	93.68	70	120	
Ge	72	2	He	642814	0.16	633162	101.52	70	120	
In	115	2	He	868965	0.46	884304	98.27	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-03
Data File Name	354SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T00:16:19-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.291	0.291	2.13	1787	0.02	2000	
B	11	1	nogas	8.235	8.235	2.52	110103	0.01	2000	
Al	27	1	nogas	142.753	142.753	2.13	2361459	0.01	2000	
Ti	47	1	nogas	2.223	2.223	9.12	3684	0.06	2000	
Ni	60	1	nogas	38.199	38.199	1.03	170151	0.02	2000	
Cu	63	1	nogas	9.050	9.050	2.30	96486	0.01	2000	
Zn	66	1	nogas	27.939	27.939	1.74	94222	0.03	2000	
Se	77	1	nogas	17.803	17.803	3.36	6925	0.26	2000	
Se	82	1	nogas	0.226	0.226	205.89	343	0.07	2000	
Sr	88	1	nogas	33.703	33.703	0.66	941266	0.00	2000	
Mo	95	1	nogas	0.125	0.125	23.78	960	0.01	2000	
Ag	107	1	nogas	0.012	0.012	19.24	257	0.00	2000	
Cd	111	1	nogas	0.036	0.036	52.13	102	0.03	2000	
Sn	118	1	nogas	0.252	0.252	12.71	4641	0.01	2000	
Sb	121	1	nogas	0.046	0.046	33.66	1577	0.00	2000	
Ba	137	1	nogas	71.090	71.090	1.18	295627	0.02	2000	
Tl	205	1	nogas	0.009	0.009	22.46	397	0.00	2000	
Pb	208	1	nogas	0.211	0.211	12.13	8631	0.00	2000	
U	238	1	nogas	0.031	0.031	12.37	1733	0.00	2000	
Na	23	2	He	10386.564	10386.564	1.96	19475813	0.05	200000	
Mg	24	2	He	1400.675	1400.675	1.59	1446889	0.10	200000	
Al	27	2	He	141.081	141.081	2.84	86021	0.16	2000	
K	39	2	He	654.642	654.642	1.23	771006	0.08	200000	
Ca	43	2	He	1819.441	1819.441	2.63	5124	35.51	200000	
Ca	44	2	He	1821.217	1821.217	3.62	85178	2.14	200000	
V	51	2	He	0.299	0.299	24.21	4159	0.01	2000	
Cr	52	2	He	5.564	5.564	3.27	47930	0.01	2000	
Mn	55	2	He	29.247	29.247	0.87	148700	0.02	2000	
Fe	56	2	He	575.929	575.929	0.93	3776559	0.02	200000	
Co	59	2	He	1.243	1.243	2.97	11508	0.01	2000	
Ni	60	2	He	39.094	39.094	2.09	90277	0.04	2000	
Cu	63	2	He	9.292	9.292	1.63	55035	0.02	2000	
Zn	66	2	He	27.655	27.655	2.28	35773	0.08	2000	
As	75	2	He	0.347	0.347	10.92	501	0.07	2000	
Sb	121	2	He	0.031	0.031	39.31	623	0.00	2000	
Se	78	2	He	0.230	0.230	60.81	97	0.24	2000	
Ti	47	2	He	2.593	2.593	28.20	707	0.37	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2245549	1.96	2222435	101.04	70	120	
In	115	1	nogas	2516061	0.50	2487358	101.15	70	120	
Li	6	1	nogas	1066004	0.48	1125226	94.74	70	120	
Bi	209	1	nogas	2335038	2.96	2305146	101.30	70	120	

Sample Report

Ge	72	2	He	650673	1.24	633162	102.77	70	120	
In	115	2	He	915120	0.50	884304	103.48	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-05
Data File Name	355SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T00:18:51-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.075	0.075	13.67	505	0.01	2000	
B	11	1	nogas	11.420	11.420	3.64	120655	0.01	2000	
Al	27	1	nogas	9.958	9.958	1.54	248817	0.00	2000	
Ti	47	1	nogas	1.577	1.577	6.23	2640	0.06	2000	
Ni	60	1	nogas	13.084	13.084	2.00	58203	0.02	2000	
Cu	63	1	nogas	4.259	4.259	2.75	45683	0.01	2000	
Zn	66	1	nogas	17.476	17.476	0.45	59200	0.03	2000	
Se	77	1	nogas	22.592	22.592	18.42	7509	0.30	2000	
Se	82	1	nogas	-0.124	-0.124	-279.23	277	-0.04	2000	
Sr	88	1	nogas	100.843	100.843	1.49	2750045	0.00	2000	
Mo	95	1	nogas	0.366	0.366	10.80	2284	0.02	2000	
Ag	107	1	nogas	0.010	0.010	12.62	223	0.00	2000	
Cd	111	1	nogas	0.065	0.065	10.64	179	0.04	2000	
Sn	118	1	nogas	0.248	0.248	23.01	4504	0.01	2000	
Sb	121	1	nogas	0.036	0.036	16.37	1440	0.00	2000	
Ba	137	1	nogas	168.359	168.359	0.48	683933	0.02	2000	
Tl	205	1	nogas	0.002	0.002	73.13	217	0.00	2000	
Pb	208	1	nogas	0.017	0.017	17.40	1473	0.00	2000	
U	238	1	nogas	0.030	0.030	1.41	1677	0.00	2000	
Na	23	2	He	40093.501	40093.501	2.85	73520946	0.05	200000	
Mg	24	2	He	3432.715	3432.715	0.71	3509682	0.10	200000	
Al	27	2	He	10.434	10.434	17.78	9520	0.11	2000	
K	39	2	He	651.846	651.846	0.98	760933	0.09	200000	
Ca	43	2	He	5283.181	5283.181	2.91	14621	36.14	200000	
Ca	44	2	He	5273.465	5273.465	1.17	240990	2.19	200000	
V	51	2	He	-0.018	-0.018	-961.66	2173	0.00	2000	
Cr	52	2	He	5.137	5.137	1.83	44529	0.01	2000	
Mn	55	2	He	14.852	14.852	1.43	75140	0.02	2000	
Fe	56	2	He	26.271	26.271	2.36	191161	0.01	200000	
Co	59	2	He	0.266	0.266	15.55	2480	0.01	2000	
Ni	60	2	He	13.455	13.455	0.90	30982	0.04	2000	
Cu	63	2	He	4.236	4.236	1.37	25192	0.02	2000	
Zn	66	2	He	17.707	17.707	2.90	23051	0.08	2000	
As	75	2	He	0.152	0.152	26.94	318	0.05	2000	
Sb	121	2	He	0.024	0.024	23.67	583	0.00	2000	
Se	78	2	He	0.169	0.169	129.29	91	0.19	2000	
Ti	47	2	He	1.394	1.394	35.99	390	0.36	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2219723	0.80	2222435	99.88	70	120	
In	115	1	nogas	2460020	1.25	2487358	98.90	70	120	
Li	6	1	nogas	1048666	0.76	1125226	93.20	70	120	
Bi	209	1	nogas	2291387	1.71	2305146	99.40	70	120	

Sample Report

Ge	72	2	He	644545	0.47	633162	101.80	70	120	
In	115	2	He	897025	1.00	884304	101.44	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	356_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T00:21:25-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.163	0.734	532957	0.81	100	94.2	90	110	
B	11	1	nogas	456.902	2.123	1800892	1.80	500	91.4	90	110	
Al	27	1	nogas	103.062	0.832	1773258	1.24	100	103.1	90	110	
P	31	1	nogas	1215.109	1.028	175158	0.95	500	243.0	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	98.778	0.301	159428	1.37	100	98.8	90	110	
Ni	60	1	nogas	99.210	1.146	451195	2.24	100	99.2	90	110	
Cu	63	1	nogas	99.050	0.597	1066355	0.98	100	99.1	90	110	
Zn	66	1	nogas	98.205	0.744	332825	2.20	100	98.2	90	110	
Se	77	1	nogas	101.310	2.533	19032	0.34	100	101.3	90	110	
Se	82	1	nogas	100.075	1.736	19099	2.37	100	100.1	90	110	
Sr	88	1	nogas	94.955	0.696	2646077	0.79	100	95.0	90	110	
Mo	95	1	nogas	97.276	0.973	554043	1.20	100	97.3	90	110	
Ag	107	1	nogas	105.369	1.427	1325674	1.89	100	105.4	90	110	
Cd	111	1	nogas	96.312	2.509	267547	2.60	100	96.3	90	110	
Sn	118	1	nogas	97.648	1.365	830222	1.70	100	97.6	90	110	
Sb	121	1	nogas	95.975	0.368	1194849	1.77	100	96.0	90	110	
Ba	137	1	nogas	99.231	2.312	412083	2.85	100	99.2	90	110	
Tl	205	1	nogas	97.825	6.736	2590735	3.67	100	97.8	90	110	
Pb	208	1	nogas	96.700	5.202	3550516	2.16	100	96.7	90	110	
U	238	1	nogas	91.547	4.314	4064224	1.22	100	91.5	90	110	
Li	7	1	nogas	94.144	0.664	1633380	0.76	100	94.1	90	110	
Ba	135	1	nogas	99.068	0.957	235954	1.41	100	99.1	90	110	
Tl	203	1	nogas	97.492	6.507	1077197	3.48	100	97.5	90	110	
Na	23	2	He	9599.232	0.915	18301701	1.19	10000	96.0	90	110	
Mg	24	2	He	9619.771	0.656	10075555	0.62	10000	96.2	90	110	
Al	27	2	He	100.314	1.426	63130	1.04	100	100.3	90	110	
K	39	2	He	9984.452	0.063	10597565	0.40	10000	99.8	90	110	
Ca	43	2	He	9711.598	1.850	27485	1.61	10000	97.1	90	110	
Ca	44	2	He	9635.588	0.984	449768	1.19	10000	96.4	90	110	
V	51	2	He	97.024	0.221	615277	0.42	100	97.0	90	110	
Cr	52	2	He	97.576	0.314	701379	0.21	100	97.6	90	110	
Mn	55	2	He	98.128	0.616	504820	0.48	100	98.1	90	110	
Fe	56	2	He	10013.390	0.899	66301677	1.01	10000	100.1	90	110	
Co	59	2	He	98.507	0.392	921537	0.15	100	98.5	90	110	
Ni	60	2	He	99.590	0.918	233020	0.72	100	99.6	90	110	
Cu	63	2	He	99.465	0.530	591745	0.54	100	99.5	90	110	
Zn	66	2	He	97.357	1.346	125277	0.99	100	97.4	90	110	
As	75	2	He	96.200	0.871	90872	0.94	100	96.2	90	110	
Sb	121	2	He	95.182	0.406	460840	0.31	100	95.2	90	110	
Se	78	2	He	97.169	2.129	8262	2.36	100	97.2	90	110	
Ti	47	2	He	97.395	1.619	25796	1.64	100	97.4	90	110	
Zr	90	1	nogas	87.079	1.413	1594710	1.54	100	87.1	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2300072	1.58	2222435	103.49	70	120	
In	115	1	nogas	2513504	0.56	2487358	101.05	70	120	
Li	6	1	nogas	1022018	0.42	1125226	90.83	70	120	
Bi	209	1	nogas	2326696	3.19	2305146	100.93	70	120	
Ge	72	2	He	660546	0.34	633162	104.32	70	120	
In	115	2	He	910238	1.34	884304	102.93	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	357_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T00:23:57-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.042	42.0	323	33.3	2.5	
B	11	1	nogas	-0.486	-169.2	76978	5.0	2.5	
Al	27	1	nogas	-1.847	-1.4	65048	0.3	5	
P	31	1	nogas	-29.290	-28.8	41978	2.0	2.5	
Ti	47	1	nogas	0.099	57.2	350	25.4	2.5	
Ni	60	1	nogas	-0.038	-42.5	740	9.7	2.5	
Cu	63	1	nogas	-0.005	-241.4	1483	8.6	5	
Zn	66	1	nogas	0.193	11.4	3197	1.9	2.5	
Se	77	1	nogas	-1.533	-89.3	4287	5.0	2.5	
Se	82	1	nogas	0.249	229.9	353	29.7	5	
Sr	88	1	nogas	0.018	55.4	2224	12.5	2.5	
Mo	95	1	nogas	0.471	34.4	2944	31.1	2.5	
Ag	107	1	nogas	0.060	30.9	867	26.8	2.5	
Cd	111	1	nogas	0.033	52.1	95	50.4	2.5	
Sn	118	1	nogas	0.663	17.5	8156	11.6	2.5	
Sb	121	1	nogas	0.687	15.6	9497	13.7	2	
Ba	137	1	nogas	0.001	1717.4	437	14.0	2.5	
Tl	205	1	nogas	0.482	66.5	13343	69.6	2.5	
Pb	208	1	nogas	0.040	28.7	2377	21.5	2.5	
U	238	1	nogas	0.059	31.9	3034	32.0	2.5	
Na	23	2	He	-102.816	-0.2	147627	0.7	100	
Mg	24	2	He	1.472	29.4	3807	11.6	100	
Al	27	2	He	-1.792	-20.7	2457	8.2	5	
K	39	2	He	-7.204	-7.2	85173	0.4	100	
Ca	43	2	He	-11.484	-95.3	33	91.7	100	
Ca	44	2	He	-10.739	-22.4	1307	9.1	100	
V	51	2	He	-0.044	-165.5	2023	21.7	2.5	
Cr	52	2	He	-0.164	-68.9	7902	9.2	2.5	
Mn	55	2	He	0.024	53.4	823	8.6	2.5	
Fe	56	2	He	3.375	9.1	43673	4.4	100	
Co	59	2	He	0.037	8.2	397	7.3	2.5	
Ni	60	2	He	0.018	76.5	350	8.6	2.5	
Cu	63	2	He	0.027	74.5	793	14.2	5	
Zn	66	2	He	0.079	21.5	1110	2.4	2.5	
As	75	2	He	0.082	61.1	256	18.5	2.5	
Sb	121	2	He	0.432	11.0	2534	8.7	2	
Se	78	2	He	0.360	28.2	108	8.5	5	
Ti	47	2	He	-0.003	-2203.7	30	57.7	2.5	

Continuing Calibration Blank (CCB) Report

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2278410	0.59	2222435	102.52	70	120	
In	115	1	nogas	2526397	0.68	2487358	101.57	70	120	
Li	6	1	nogas	1083493	2.05	1125226	96.29	70	120	
Bi	209	1	nogas	2358934	3.95	2305146	102.33	70	120	
Ge	72	2	He	650278	0.74	633162	102.70	70	120	
In	115	2	He	900944	1.09	884304	101.88	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	363_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T00:39:20-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	96.648	0.644	544420	1.47	100	96.6	90	110	
B	11	1	nogas	476.581	2.458	1866228	2.11	500	95.3	90	110	
Al	27	1	nogas	99.721	0.713	1723254	1.11	100	99.7	90	110	
P	31	1	nogas	1281.542	0.549	182720	1.43	500	256.3	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	99.030	1.037	160255	2.34	100	99.0	90	110	
Ni	60	1	nogas	99.367	1.015	453002	0.96	100	99.4	90	110	
Cu	63	1	nogas	98.907	0.377	1067545	1.10	100	98.9	90	110	
Zn	66	1	nogas	98.386	0.037	334255	1.37	100	98.4	90	110	
Se	77	1	nogas	98.755	3.863	18715	2.53	100	98.8	90	110	
Se	82	1	nogas	99.038	4.468	18949	4.01	100	99.0	90	110	
Sr	88	1	nogas	94.813	1.651	2659368	1.76	100	94.8	90	110	
Mo	95	1	nogas	98.061	1.440	562222	2.50	100	98.1	90	110	
Ag	107	1	nogas	104.602	0.907	1324653	1.85	100	104.6	90	110	
Cd	111	1	nogas	98.141	1.715	274446	2.78	100	98.1	90	110	
Sn	118	1	nogas	98.605	1.521	843893	2.53	100	98.6	90	110	
Sb	121	1	nogas	97.498	0.865	1216918	2.10	100	97.5	90	110	
Ba	137	1	nogas	98.529	0.516	411816	1.23	100	98.5	90	110	
Tl	205	1	nogas	99.822	5.080	2644683	2.27	100	99.8	90	110	
Pb	208	1	nogas	98.251	4.739	3607964	1.98	100	98.3	90	110	
U	238	1	nogas	91.616	5.960	4066118	3.17	100	91.6	90	110	
Li	7	1	nogas	95.851	0.254	1653728	0.98	100	95.9	90	110	
Ba	135	1	nogas	99.432	1.154	238381	2.13	100	99.4	90	110	
Tl	203	1	nogas	98.818	5.575	1092126	2.80	100	98.8	90	110	
Na	23	2	He	9849.517	0.805	18643673	0.57	10000	98.5	90	110	
Mg	24	2	He	10051.943	0.837	10457469	0.57	10000	100.5	90	110	
Al	27	2	He	97.324	1.374	60944	1.05	100	97.3	90	110	
K	39	2	He	10179.555	1.506	10730169	1.26	10000	101.8	90	110	
Ca	43	2	He	9889.576	2.044	27802	2.38	10000	98.9	90	110	
Ca	44	2	He	9824.552	1.005	455466	0.70	10000	98.2	90	110	
V	51	2	He	99.114	0.669	624267	0.55	100	99.1	90	110	
Cr	52	2	He	100.058	0.676	714163	0.50	100	100.1	90	110	
Mn	55	2	He	99.754	1.569	509720	1.21	100	99.8	90	110	
Fe	56	2	He	10219.717	0.834	67212641	0.48	10000	102.2	90	110	
Co	59	2	He	100.898	1.653	937558	1.30	100	100.9	90	110	
Ni	60	2	He	100.874	0.617	234439	0.30	100	100.9	90	110	
Cu	63	2	He	101.290	0.566	598553	0.74	100	101.3	90	110	
Zn	66	2	He	98.854	1.511	126343	1.80	100	98.9	90	110	
As	75	2	He	98.365	1.035	92289	0.92	100	98.4	90	110	
Sb	121	2	He	96.829	0.429	465671	0.46	100	96.8	90	110	
Se	78	2	He	97.802	0.745	8260	0.81	100	97.8	90	110	
Ti	47	2	He	99.348	1.520	26136	1.56	100	99.3	90	110	
Zr	90	1	nogas	87.205	0.565	1607470	1.28	100	87.2	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2305874	1.33	2222435	103.75	70	120	
In	115	1	nogas	2529958	1.08	2487358	101.71	70	120	
Li	6	1	nogas	1017140	1.06	1125226	90.39	70	120	
Bi	209	1	nogas	2326565	2.88	2305146	100.93	70	120	
Ge	72	2	He	656122	0.36	633162	103.63	70	120	
In	115	2	He	904721	0.47	884304	102.31	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	364_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T00:41:53-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.031	38.3	255	27.7	2.5	
B	11	1	nogas	10.466	10.5	121247	3.7	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.677	-9.0	67912	3.8	5	
P	31	1	nogas	-33.959	-11.5	41553	0.6	2.5	
Ti	47	1	nogas	0.118	34.2	380	16.4	2.5	
Ni	60	1	nogas	-0.004	-1091.7	897	22.5	2.5	
Cu	63	1	nogas	-0.011	-25.6	1427	1.8	5	
Zn	66	1	nogas	0.214	8.7	3274	1.7	2.5	
Se	77	1	nogas	-5.221	-2.9	3771	1.1	2.5	
Se	82	1	nogas	0.334	152.3	370	25.8	5	
Sr	88	1	nogas	0.016	30.6	2147	6.3	2.5	
Mo	95	1	nogas	0.493	37.1	3077	34.2	2.5	
Ag	107	1	nogas	0.053	10.5	780	9.2	2.5	
Cd	111	1	nogas	0.021	57.3	61	54.3	2.5	
Sn	118	1	nogas	0.630	12.4	7882	8.7	2.5	
Sb	121	1	nogas	0.706	12.8	9740	11.0	2	
Ba	137	1	nogas	-0.012	-25.1	383	3.0	2.5	
Tl	205	1	nogas	0.392	60.7	10946	64.0	2.5	
Pb	208	1	nogas	0.045	30.7	2597	24.1	2.5	
U	238	1	nogas	0.055	31.2	2890	31.5	2.5	
Na	23	2	He	-84.248	-2.5	180804	0.4	100	
Mg	24	2	He	1.471	8.8	3787	4.5	100	
Al	27	2	He	-1.815	-24.4	2430	10.1	5	
K	39	2	He	-6.349	-13.0	85592	1.3	100	
Ca	43	2	He	-10.183	-54.0	37	41.7	100	
Ca	44	2	He	-10.994	-22.7	1287	7.8	100	
V	51	2	He	-0.048	-12.0	1988	3.5	2.5	
Cr	52	2	He	-0.170	-32.8	7816	3.3	2.5	
Mn	55	2	He	0.039	13.6	890	1.9	2.5	
Fe	56	2	He	3.458	9.1	43991	5.5	100	
Co	59	2	He	0.031	35.2	347	31.1	2.5	
Ni	60	2	He	0.007	163.6	323	8.9	2.5	
Cu	63	2	He	0.020	38.6	750	7.4	5	
Zn	66	2	He	0.033	89.9	1047	4.9	2.5	
As	75	2	He	0.067	40.2	240	11.9	2.5	
Sb	121	2	He	0.471	8.7	2707	8.2	2	
Se	78	2	He	0.531	24.7	121	7.6	5	
Ti	47	2	He	0.127	48.4	63	24.1	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2282215	0.50	2222435	102.69	70	120	
In	115	1	nogas	2527843	0.35	2487358	101.63	70	120	
Li	6	1	nogas	1087082	0.04	1125226	96.61	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2373343	4.19	2305146	102.96	70	120	
Ge	72	2	He	646782	1.74	633162	102.15	70	120	
In	115	2	He	912551	1.07	884304	103.19	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	372_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T01:03:15-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	92.524	1.521	521668	0.52	100	92.5	90	110	
B	11	1	nogas	492.425	1.425	1927781	0.54	500	98.5	90	110	
Al	27	1	nogas	98.777	0.426	1677397	0.80	100	98.8	90	110	
P	31	1	nogas	1267.296	1.434	177976	2.10	500	253.5	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	98.634	0.816	156764	1.90	100	98.6	90	110	
Ni	60	1	nogas	99.792	1.052	446883	2.14	100	99.8	90	110	
Cu	63	1	nogas	99.597	0.923	1055891	1.93	100	99.6	90	110	
Zn	66	1	nogas	98.162	1.968	327596	3.04	100	98.2	90	110	
Se	77	1	nogas	99.497	0.114	18488	1.01	100	99.5	90	110	
Se	82	1	nogas	95.942	4.239	18041	4.24	100	95.9	90	110	
Sr	88	1	nogas	94.020	1.968	2611660	1.47	100	94.0	90	110	
Mo	95	1	nogas	95.906	1.583	544486	0.80	100	95.9	90	110	
Ag	107	1	nogas	102.375	1.254	1283842	0.40	100	102.4	90	110	
Cd	111	1	nogas	96.650	1.177	267627	0.30	100	96.7	90	110	
Sn	118	1	nogas	97.595	1.961	827077	1.24	100	97.6	90	110	
Sb	121	1	nogas	96.583	0.786	1183926	1.43	100	96.6	90	110	
Ba	137	1	nogas	98.755	2.697	408741	2.04	100	98.8	90	110	
Tl	205	1	nogas	97.122	6.193	2591352	2.22	100	97.1	90	110	
Pb	208	1	nogas	95.126	6.081	3517763	2.06	100	95.1	90	110	
U	238	1	nogas	90.220	5.957	4033443	2.09	100	90.2	90	110	
Li	7	1	nogas	93.012	1.893	1608415	1.22	100	93.0	90	110	
Ba	135	1	nogas	97.338	3.499	231073	2.93	100	97.3	90	110	
Tl	203	1	nogas	96.538	6.493	1074476	2.50	100	96.5	90	110	
Na	23	2	He	9877.003	0.465	18063236	0.24	10000	98.8	90	110	
Mg	24	2	He	10073.882	1.942	10125648	1.31	10000	100.7	90	110	
Al	27	2	He	98.318	1.528	59455	1.84	100	98.3	90	110	
K	39	2	He	10091.230	1.589	10279330	2.08	10000	100.9	90	110	
Ca	43	2	He	9707.222	2.588	26370	3.04	10000	97.1	90	110	
Ca	44	2	He	9862.818	0.419	441801	0.83	10000	98.6	90	110	
V	51	2	He	99.365	0.273	604710	0.76	100	99.4	90	110	
Cr	52	2	He	99.859	0.658	688682	0.48	100	99.9	90	110	
Mn	55	2	He	100.687	0.084	497120	0.60	100	100.7	90	110	
Fe	56	2	He	10309.387	0.158	65513754	0.78	10000	103.1	90	110	
Co	59	2	He	100.744	1.053	904563	1.55	100	100.7	90	110	
Ni	60	2	He	101.598	1.252	228146	1.35	100	101.6	90	110	
Cu	63	2	He	100.627	1.005	574552	1.07	100	100.6	90	110	
Zn	66	2	He	98.680	0.840	121863	1.45	100	98.7	90	110	
As	75	2	He	98.725	0.757	89497	0.38	100	98.7	90	110	
Sb	121	2	He	99.639	0.637	462976	0.30	100	99.6	90	110	
Se	78	2	He	97.582	2.252	7963	2.26	100	97.6	90	110	
Ti	47	2	He	98.720	1.359	25094	1.66	100	98.7	90	110	
Zr	90	1	nogas	85.889	2.594	1567794	1.82	100	85.9	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2264739	1.09	2222435	101.90	70	120	
In	115	1	nogas	2505657	0.97	2487358	100.74	70	120	
Li	6	1	nogas	1018274	1.84	1125226	90.50	70	120	
Bi	209	1	nogas	2344700	4.12	2305146	101.72	70	120	
Ge	72	2	He	633960	0.63	633162	100.13	70	120	
In	115	2	He	883002	0.28	884304	99.85	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	373_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T01:05:51-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.039	17.9	298	13.0	2.5	
B	11	1	nogas	40.214	7.8	236698	4.6	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-1.861	-2.9	63755	0.9	5	
P	31	1	nogas	-44.354	-18.3	39715	1.5	2.5	
Ti	47	1	nogas	0.162	42.4	443	24.1	2.5	
Ni	60	1	nogas	-0.014	-322.0	837	22.4	2.5	
Cu	63	1	nogas	-0.013	-136.6	1373	13.1	5	
Zn	66	1	nogas	0.117	59.9	2897	7.7	2.5	
Se	77	1	nogas	-8.464	-21.7	3250	8.1	2.5	
Se	82	1	nogas	0.390	39.7	373	6.7	5	
Sr	88	1	nogas	0.038	30.7	2710	11.3	2.5	
Mo	95	1	nogas	0.494	22.4	3007	20.0	2.5	
Ag	107	1	nogas	0.041	25.3	610	20.5	2.5	
Cd	111	1	nogas	0.020	49.6	58	46.5	2.5	
Sn	118	1	nogas	0.644	24.5	7822	16.4	2.5	
Sb	121	1	nogas	0.691	17.7	9373	15.1	2	
Ba	137	1	nogas	0.013	82.8	477	8.7	2.5	
Tl	205	1	nogas	0.389	64.7	10773	68.4	2.5	
Pb	208	1	nogas	0.043	17.6	2477	16.0	2.5	
U	238	1	nogas	0.059	36.6	3037	36.9	2.5	
Na	23	2	He	-49.957	-1.9	239722	1.3	100	
Mg	24	2	He	1.852	20.2	4107	8.1	100	
Al	27	2	He	-1.946	-6.5	2317	2.5	5	
K	39	2	He	-7.188	-22.7	83350	0.6	100	
Ca	43	2	He	-6.224	-72.7	47	24.7	100	
Ca	44	2	He	-12.325	-13.7	1207	5.5	100	
V	51	2	He	0.031	185.5	2439	14.2	2.5	
Cr	52	2	He	-0.156	-39.4	7789	3.9	2.5	
Mn	55	2	He	0.043	84.5	900	21.2	2.5	
Fe	56	2	He	3.395	3.7	42871	3.3	100	
Co	59	2	He	0.027	28.4	297	21.4	2.5	
Ni	60	2	He	0.032	30.6	373	5.6	2.5	
Cu	63	2	He	0.026	76.7	773	13.6	5	
Zn	66	2	He	0.172	10.1	1200	0.8	2.5	
As	75	2	He	0.096	14.7	262	6.3	2.5	
Sb	121	2	He	0.380	15.6	2237	13.2	2	
Se	78	2	He	0.414	9.7	110	3.1	5	
Ti	47	2	He	0.065	193.0	47	68.9	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2240784	0.99	2222435	100.83	70	120	
In	115	1	nogas	2472197	0.52	2487358	99.39	70	120	
Li	6	1	nogas	1068777	0.84	1125226	94.98	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	2345031	4.76	2305146	101.73	70	120	
Ge	72	2	He	636336	1.44	633162	100.50	70	120	
In	115	2	He	890725	0.51	884304	100.73	70	120	

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLICV2
Data File Name	374LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T01:08:28-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Fail

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	-0.007	-44.987	77	39.85	2	-0.4	70	120	NewName Main CR1 Failed
B	11	1	nogas	-7.561	-52.076	160300	5.89	10	-75.6	70	120	NewName Main CR1 Failed
Al	27	1	nogas	-2.822	-5.656	150086	30.50	2	-141.1	70	120	NewName Main CR1 Failed
P	31	1	nogas	-340.684	-12.144	24854	13.43	10	-3406.8	70	120	NewName Main CR1 Failed
Ti	47	1	nogas	-0.070	-27.154	230	30.44	2	-3.5	70	120	NewName Main CR1 Failed
Ni	60	1	nogas	-0.168	-1.395	480	26.02	2	-8.4	70	120	NewName Main CR1 Failed
Cu	63	1	nogas	-0.117	-2.374	870	22.61	2	-5.9	70	120	NewName Main CR1 Failed
Zn	66	1	nogas	-0.354	-7.912	4161	30.02	2	-17.7	70	120	NewName Main CR1 Failed
Se	77	1	nogas	-31.077	-1.112	280	18.90	2	-1553.9	70	120	NewName Main CR1 Failed
Se	82	1	nogas	0.257	424.466	953	23.60	2	12.9	70	120	NewName Main CR1 Failed
Sr	88	1	nogas	-0.041	-8.440	1763	19.54	2	-2.0	70	120	NewName Main CR1 Failed
Mo	95	1	nogas	0.006	239.205	863	4.39	2	0.3	70	120	NewName Main CR1 Failed
Ag	107	1	nogas	-0.005	-74.759	127	75.86	2	-0.2	70	120	NewName Main CR1 Failed
Cd	111	1	nogas	-0.002	-100.193	-8	-198.83	2	-0.1	70	120	NewName Main CR1 Failed
Sn	118	1	nogas	-0.205	-14.520	2307	11.51	2	-10.3	70	120	NewName Main CR1 Failed
Sb	121	1	nogas	-0.019	-92.707	2297	7.84	2	-0.9	70	120	NewName Main CR1 Failed
Ba	137	1	nogas	-0.080	-2.448	310	22.35	2	-4.0	70	120	NewName Main CR1 Failed
Tl	205	1	nogas	0.031	63.108	1133	19.86	2	1.5	70	120	NewName Main CR1 Failed
Pb	208	1	nogas	0.019	157.006	1670	14.00	2	1.0	70	120	NewName Main CR1 Failed
[Pb]	206	1	nogas	0.017	156.852	437	16.57	2	0.8	70	120	NewName Main CR1 Failed
[Pb]	207	1	nogas	0.026	164.392	393	29.25	2	1.3	70	120	NewName Main CR1 Failed
U	238	1	nogas	0.023	84.196	1540	2.34	2	1.1	70	120	NewName Main CR1 Failed
Li	7	1	nogas	-0.348	-30.873	250697	31.96	2	-17.4	70	120	NewName Main CR1 Failed
Ba	135	1	nogas	-0.094	-2.924	200	18.03	2	-4.7	70	120	NewName Main CR1 Failed
Tl	203	1	nogas	0.034	74.397	527	10.46	2	1.7	70	120	NewName Main CR1 Failed
Na	23	2	He	-139.757	-2.859	285539	1.59	200	-69.9	70	120	NewName Main CR1 Failed
Mg	24	2	He	-1.711	-12.743	1930	49.82	200	-0.9	70	120	NewName Main CR1 Failed
Al	27	2	He	-2.748	-8.224	6852	11.83	2	-137.4	70	120	NewName Main CR1 Failed
K	39	2	He	-81.397	-0.976	30141	15.82	200	-40.7	70	120	NewName Main CR1 Failed
Ca	43	2	He	-17.865	-25.770	53	75.78	200	-8.9	70	120	NewName Main CR1 Failed
Ca	44	2	He	-33.887	-2.000	887	10.84	200	-16.9	70	120	NewName Main CR1 Failed
V	51	2	He	-0.364	-1.052	126	72.93	2	-18.2	70	120	NewName Main CR1 Failed
Cr	52	2	He	-1.251	-1.307	1150	43.82	2	-62.6	70	120	NewName Main CR1 Failed
Mn	55	2	He	-0.107	-7.116	577	26.32	2	-5.3	70	120	NewName Main CR1 Failed
Fe	56	2	He	-2.135	-15.235	28089	31.17	200	-1.1	70	120	NewName Main CR1 Failed
Co	59	2	He	-0.003	-54.542	123	46.81	2	-0.1	70	120	NewName Main CR1 Failed
Ni	60	2	He	-0.097	-7.228	303	16.59	2	-4.9	70	120	NewName Main CR1 Failed
Cu	63	2	He	-0.086	-5.226	497	28.28	2	-4.3	70	120	NewName Main CR1 Failed
Zn	66	2	He	-0.393	-7.900	1857	3.50	2	-19.6	70	120	NewName Main CR1 Failed
As	75	2	He	-0.115	-16.720	263	30.72	2	-5.7	70	120	NewName Main CR1 Failed
Se	77	2	He	-0.933	-40.217	50	52.92	2	-46.7	70	120	NewName Main CR1 Failed
Sb	121	2	He	-0.029	-118.960	1247	56.05	2	-1.4	70	120	NewName Main CR1 Failed
Se	78	2	He	-0.616	-10.624	98	26.53	2	-30.8	70	120	NewName Main CR1 Failed
Ti	47	2	He	-0.067	-50.471	50	72.12	2	-3.3	70	120	NewName Main CR1 Failed
Zr	90	1	nogas	0.336	28.313	22705	9.46	2	16.8	70	120	NewName Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	6940763	31.36	2222435	312.30	70	120	ISTD Failed
In	115	1	nogas	8026868	23.09	2487358	322.71	70	120	ISTD Failed
Li	6	1	nogas	3854329	34.17	1125226	342.54	70	120	ISTD Failed
Bi	209	1	nogas	3618429	73.73	2305146	156.97	70	120	ISTD Failed
Ge	72	2	He	2347953	10.33	633162	370.83	70	120	ISTD Failed
In	115	2	He	3413493	11.52	884304	386.01	70	120	ISTD Failed

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLICV5
Data File Name	375LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T01:11:03-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Fail

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	0.011	180.651	350	83.70	5	0.2	70	130	NewName Main CR1 Failed
B	11	1	nogas	-7.707	-22.880	128692	6.19	25	-30.8	70	130	NewName Main CR1 Failed
Al	27	1	nogas	-2.644	-16.100	117150	16.30	5	-52.9	70	130	NewName Main CR1 Failed
P	31	1	nogas	-322.259	-13.432	23586	23.77	25	-1289.0	70	130	NewName Main CR1 Failed
Ti	47	1	nogas	-0.025	-207.686	320	37.89	5	-0.5	70	130	NewName Main CR1 Failed
Ni	60	1	nogas	-0.127	-34.666	717	41.80	5	-2.5	70	130	NewName Main CR1 Failed
Cu	63	1	nogas	-0.082	-42.620	1413	38.82	5	-1.6	70	130	NewName Main CR1 Failed
Zn	66	1	nogas	-0.329	-15.083	3267	12.73	5	-6.6	70	130	NewName Main CR1 Failed
Se	77	1	nogas	-31.089	-1.084	210	33.33	5	-621.8	70	130	NewName Main CR1 Failed
Se	82	1	nogas	0.515	214.393	853	34.01	5	10.3	70	130	NewName Main CR1 Failed
Sr	88	1	nogas	-0.014	-201.218	3010	58.86	5	-0.3	70	130	NewName Main CR1 Failed
Mo	95	1	nogas	0.016	210.205	783	56.85	5	0.3	70	130	NewName Main CR1 Failed
Ag	107	1	nogas	0.029	104.749	1070	83.76	5	0.6	70	130	NewName Main CR1 Failed
Cd	111	1	nogas	0.031	97.704	207	97.03	5	0.6	70	130	NewName Main CR1 Failed
Sn	118	1	nogas	-0.219	-13.642	1497	38.18	5	-4.4	70	130	NewName Main CR1 Failed
Sb	121	1	nogas	-0.013	-181.375	1870	16.11	5	-0.3	70	130	NewName Main CR1 Failed
Ba	137	1	nogas	-0.045	-57.168	557	36.87	5	-0.9	70	130	NewName Main CR1 Failed
Tl	205	1	nogas	0.089	36.307	2247	62.85	5	1.8	70	130	NewName Main CR1 Failed
Pb	208	1	nogas	0.104	36.707	4037	61.05	5	2.1	70	130	NewName Main CR1 Failed
U	238	1	nogas	0.101	35.166	4094	57.01	5	2.0	70	130	NewName Main CR1 Failed
Li	7	1	nogas	-0.334	-45.313	192469	11.66	5	-6.7	70	130	NewName Main CR1 Failed
Na	23	2	He	-113.741	-25.778	356675	28.05	500	-22.7	70	130	NewName Main CR1 Failed
Mg	24	2	He	27.808	85.910	83191	69.20	500	5.6	70	130	NewName Main CR1 Failed
Al	27	2	He	-2.044	-36.735	6622	6.70	5	-40.9	70	130	NewName Main CR1 Failed
K	39	2	He	-47.344	-57.938	118980	52.94	500	-9.5	70	130	NewName Main CR1 Failed
Ca	43	2	He	12.016	264.877	263	79.69	500	2.4	70	130	NewName Main CR1 Failed
Ca	44	2	He	-2.826	-908.531	4538	58.40	500	-0.6	70	130	NewName Main CR1 Failed
V	51	2	He	-0.083	-279.559	4768	71.63	5	-1.7	70	130	NewName Main CR1 Failed
Cr	52	2	He	-0.914	-29.105	7246	57.98	5	-18.3	70	130	NewName Main CR1 Failed
Mn	55	2	He	0.217	126.886	4858	66.02	5	4.3	70	130	NewName Main CR1 Failed
Fe	56	2	He	26.542	89.006	523922	68.39	500	5.3	70	130	NewName Main CR1 Failed
Co	59	2	He	0.304	81.524	7656	70.23	5	6.1	70	130	NewName Main CR1 Failed
Ni	60	2	He	0.220	119.725	2197	63.39	5	4.4	70	130	NewName Main CR1 Failed
Cu	63	2	He	0.243	111.613	5548	66.55	5	4.9	70	130	NewName Main CR1 Failed
Zn	66	2	He	-0.024	-992.329	2784	17.73	5	-0.5	70	130	NewName Main CR1 Failed
As	75	2	He	0.140	182.190	834	65.21	5	2.8	70	130	NewName Main CR1 Failed
Sb	121	2	He	0.205	99.159	3961	54.36	5	4.1	70	130	NewName Main CR1 Failed
Se	78	2	He	-0.311	-117.388	145	44.58	5	-6.2	70	130	NewName Main CR1 Failed
Ti	47	2	He	0.286	108.853	287	64.54	5	5.7	70	130	NewName Main CR1 Failed
Zr	90	1	nogas	0.031	26.481	4161	8.38	5	0.6	70	130	NewName Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	5174855	21.82	2222435	232.85	70	120	ISTD Failed
In	115	1	nogas	5899771	14.33	2487358	237.19	70	120	ISTD Failed
Li	6	1	nogas	2942390	15.65	1125226	261.49	70	120	ISTD Failed
Bi	209	1	nogas	2461942	93.56	2305146	106.80	70	120	
Ge	72	2	He	1904062	17.56	633162	300.72	70	120	ISTD Failed
In	115	2	He	2827528	13.67	884304	319.75	70	120	ISTD Failed

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSA
Data File Name	376ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T01:13:40-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	0.033	17.289	237	14.38	2	1.7	100	50	
B	11	1	nogas	50.816	10.394	246791	8.94	20	254.1	100	50	ICSA Main CR1 FailedICSA Main CR2 Failed
Al	27	1	nogas	100389.967	0.691	1483171231	0.47	10	1003899.7	100	0	
P	31	1	nogas	894832.496	0.381	86706405	0.50	20	4474162.5	100	50	ICSA Main CR1 FailedICSA Main CR2 Failed
Ti	47	1	nogas	2103.102	0.678	3077202	0.55	5	42062.0	100	50	ICSA Main CR1 Failed
Ni	60	1	nogas	1.540	5.174	7179	4.43	5	30.8	100	50	
Cu	63	1	nogas	1.111	4.118	12255	3.53	2	55.6	100	50	
Zn	66	1	nogas	3.828	4.080	14023	3.19	5	76.6	100	50	ICSA Main CR1 Failed
Se	77	1	nogas	12.161	24.429	5705	6.57	5	243.2	100	50	ICSA Main CR1 Failed
Se	82	1	nogas	0.715	40.628	403	12.48	2	35.7	100	50	
Sr	88	1	nogas	0.921	5.557	23830	3.79	5	18.4	100	50	
Mo	95	1	nogas	2272.130	2.136	11276631	0.66	5	45442.6	100	50	ICSA Main CR1 Failed
Ag	107	1	nogas	0.023	12.441	347	10.13	5	0.5	100	50	
Cd	111	1	nogas	0.877	14.178	2127	13.91	2	43.9	100	50	
Sn	118	1	nogas	0.412	13.420	5228	8.57	10	4.1	100	50	
Sb	121	1	nogas	0.137	10.098	2487	6.45	4	3.4	100	50	
Ba	137	1	nogas	0.751	1.139	3094	2.47	5	15.0	100	50	
Tl	205	1	nogas	0.035	20.037	983	20.65	2	1.7	100	50	
Pb	208	1	nogas	0.846	8.159	28746	2.46	5	16.9	100	50	
U	238	1	nogas	0.010	32.110	733	17.05	5	0.2	0	50	
Li	7	1	nogas	0.388	13.303	73188	0.82		#DIV/0!	0	50	
Ba	135	1	nogas	0.741	7.070	1787	5.08		#DIV/0!	0	50	
Tl	203	1	nogas	0.027	18.272	350	8.57		#DIV/0!	0	50	
Na	23	2	He	105148.325	1.132	176382977	0.43	200	52574.2	100	0	
Mg	24	2	He	103121.478	0.408	96658559	0.84	200	51560.7	100	0	
Al	27	2	He	105403.756	1.594	56026426	0.86	10	1054037.6	100	0	
K	39	2	He	106298.210	0.773	100175542	0.51	200	53149.1	100	0	
Ca	43	2	He	99081.705	1.031	250457	0.87	200	49540.9	100	0	
Ca	44	2	He	101388.959	1.544	4220332	1.06	200	50694.5	100	0	
V	51	2	He	0.184	72.770	3126	23.73	5	3.7	100	50	
Cr	52	2	He	0.665	11.855	12449	3.22	5	13.3	100	50	
Mn	55	2	He	1.497	3.774	7522	4.26	5	29.9	100	50	
Fe	56	2	He	105145.069	0.465	622979804	0.80	200	52572.5	100	50	ICSA Main CR1 Failed
Co	59	2	He	1.034	1.996	8713	1.20	5	20.7	100	50	
Ni	60	2	He	1.199	6.173	2787	5.52	5	24.0	100	50	
Cu	63	2	He	0.815	2.576	4914	2.39	2	40.7	100	50	
Zn	66	2	He	3.203	5.425	4577	3.97	5	64.1	100	50	ICSA Main CR1 Failed
As	75	2	He	0.380	18.859	483	11.72	5	7.6	100	50	
Sb	121	2	He	0.107	28.013	897	15.22	4	2.7	100	50	
Se	78	2	He	0.110	154.979	79	16.79	2	5.5	100	50	
Ti	47	2	He	2060.208	0.929	487848	0.75	5	41204.2	100	50	ICSA Main CR1 Failed
Cr	52	1	nogas	0.686	2.416	23689	1.41		#DIV/0!	0	50	
Mn	55	1	nogas	0.969	4.598	32308	3.38		#DIV/0!	0	50	
Co	59	1	nogas	0.995	3.936	18872	3.92		#DIV/0!	0	50	
V	51	1	nogas	0.264	26.559	5953	25.15		#DIV/0!	0	50	
Fe	56	1	nogas	103381.054	1.456	2168889141	1.37		#DIV/0!	0	50	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2087507	0.23	2222435	93.93	70	120	
In	115	1	nogas	2191641	1.47	2487358	88.11	70	120	
Li	6	1	nogas	945905	1.53	1125226	84.06	70	120	
Bi	209	1	nogas	2099561	6.85	2305146	91.08	70	120	
Ge	72	2	He	591262	0.81	633162	93.38	70	120	
In	115	2	He	776888	0.54	884304	87.85	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	377ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq Date Time	2024-07-05T01:16:15-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	216CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	94.008	1.641	456902	1.42	100	94.0	80	120	
B	11	1	nogas	532.418	1.489	1791573	1.38	100	532.4	80	120	ICSB Main CR1 Failed
Al	27	1	nogas	100628.646	1.077	1491107071	0.73	100100	100.5	80	120	
Ti	47	1	nogas	2239.267	1.668	3286582	2.49	2100	106.6	80	120	
Ni	60	1	nogas	93.641	0.316	387742	2.00	100	93.6	80	120	
Cu	63	1	nogas	92.625	0.691	907909	1.36	100	92.6	80	120	
Zn	66	1	nogas	98.661	0.707	304385	2.18	100	98.7	80	120	
Se	77	1	nogas	106.929	4.938	18068	5.20	100	106.9	80	120	
Se	82	1	nogas	99.832	4.887	17350	5.78	100	99.8	80	120	
Sr	88	1	nogas	98.804	0.717	2424941	1.39	100	98.8	80	120	
Mo	95	1	nogas	2353.558	1.448	11800065	1.00	2100	112.1	80	120	
Ag	107	1	nogas	107.952	0.279	1196108	0.68	100	108.0	80	120	
Cd	111	1	nogas	97.601	1.116	238794	1.72	100	97.6	80	120	
Sn	118	1	nogas	98.963	1.427	741050	2.21	100	99.0	80	120	
Sb	121	1	nogas	96.444	0.391	1093072	1.91	100	96.4	80	120	
Ba	137	1	nogas	99.873	1.151	365247	1.45	100	99.9	80	120	
Tl	205	1	nogas	96.379	6.000	2239381	2.96	100	96.4	80	120	
Pb	208	1	nogas	96.245	5.264	3099841	2.21	100	96.2	80	120	
U	238	1	nogas	91.017	4.887	3544086	1.86	100	91.0	80	120	
Li	7	1	nogas	99.173	1.304	1474206	1.00	100	99.2	80	120	
Na	23	2	He	112755.456	1.547	190802197	1.54	110000	102.5	80	120	
Mg	24	2	He	110861.664	1.025	104830368	0.91	110000	100.8	80	120	
Al	27	2	He	103560.071	1.193	55538334	1.47	100100	103.5	80	120	
K	39	2	He	115380.345	0.509	109691682	0.72	110000	104.9	80	120	
Ca	43	2	He	107869.560	0.624	275090	1.15	110000	98.1	80	120	
Ca	44	2	He	122632.256	0.922	5149883	1.53	110000	111.5	80	120	
V	51	2	He	98.205	0.678	562347	0.81	100	98.2	80	120	
Cr	52	2	He	96.697	0.662	627752	1.32	100	96.7	80	120	
Mn	55	2	He	98.755	0.235	458779	0.80	100	98.8	80	120	
Fe	56	2	He	113299.664	0.215	677239697	0.85	110000	103.0	80	120	
Co	59	2	He	95.279	0.740	804932	1.28	100	95.3	80	120	
Ni	60	2	He	94.121	0.771	198885	0.91	100	94.1	80	120	
Cu	63	2	He	93.181	0.786	500639	1.13	100	93.2	80	120	
Zn	66	2	He	98.077	2.034	113962	2.15	100	98.1	80	120	
As	75	2	He	100.546	1.293	85764	1.95	100	100.5	80	120	
Sb	121	2	He	97.646	1.423	426917	1.55	100	97.6	80	120	
Se	78	2	He	98.725	1.763	7579	2.01	100	98.7	80	120	
Ti	47	2	He	2154.990	1.044	514836	1.58	100	2155.0	80	120	ICSB Main CR1 Failed

QC ISTD Table

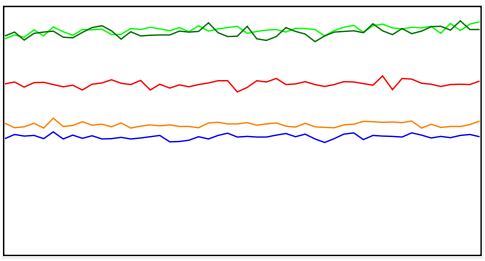
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	2093924	1.70	2222435	94.22	70	120	
In	115	1	nogas	2213705	0.92	2487358	89.00	70	120	
Li	6	1	nogas	877645	0.47	1125226	78.00	70	120	
Bi	209	1	nogas	2040963	3.13	2305146	88.54	70	120	
Ge	72	2	He	596490	0.66	633162	94.21	70	120	
In	115	2	He	792668	1.55	884304	89.64	70	120	

Tune Check Report

Operator Name	ALSHS NoUser
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\070424A.b
Acq. Date-Time	7/4/2024 9:13:28 AM
Report Comment	---
Instrument Name	G3281A JP11080910

[nogas]

Sensitivity



Sampling Period [sec]	0.514
Integration Time [sec]	0.1

Mass	Range	Count	Resp [cps/ug/l]	Resp (Required) [cps/ug/l]	Resp (Flag)
9	10000	6911	69105.30		
24	20000	18215	182149.88		
59	50000	23807	238072.80		
115	50000	26264	262638.19		
208	20000	18003	180025.31		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	
115		-	
208		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	1.855	5.000	
24	1.632	5.000	
59	1.976	5.000	
115	1.792	5.000	
208	2.050	5.000	

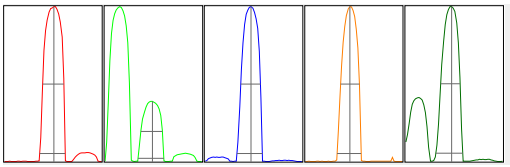
Mass	Background	Background (Required)	Background (Flag)
9	0.900		
24	0.300		
59	0.700		
115	1.900		
208	5.700		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 0.790 %
Doubly Charged	70 / 140 1.291 %

Tune Check Report

Resolution/Axis



Integration Time [sec]	0.1
Acquisition Time [sec]	37.4
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	6847.41	9.05	8.90 - 9.10	
24	18393.95	24.00	23.90 - 24.10	
59	23849.93	58.95	58.90 - 59.10	
115	26969.26	114.90	114.90 - 115.10	
208	18346.94	207.95	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.64	0.780		
24	0.65	0.786		
59	0.60	0.774		
115	0.58	0.735		
208	0.59	0.822		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.48 L/min	Dilution Gas	0.55 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	---
RF Matching	1.70 V	Nebulizer Pump	0.10 rps	Plasma Gas	---
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.1 V	Deflect	14.0 V
Extract 2	-190.0 V	Cell Entrance	-30 V	Plate Bias	-45 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9987	QP Bias	-3.0 V
Mass Offset	127	Axis Offset	0.10		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.5 mm

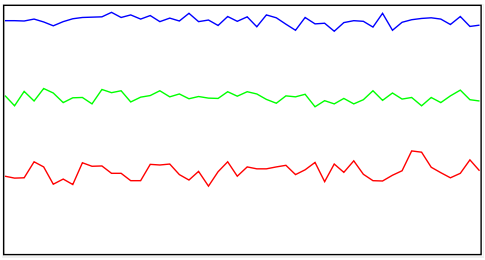
EM

Discriminator	4.5 mV	Analog HV	1644 V	Pulse HV	1681 V

[He]

Tune Check Report

Sensitivity



Sampling Period [sec]	0.306
Integration Time [sec]	0.1

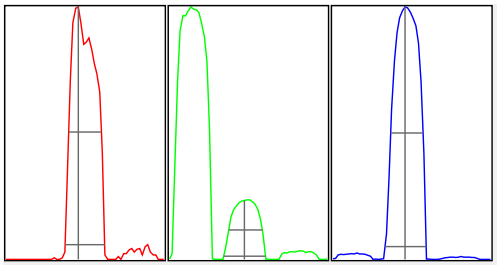
Mass	Range	Count	Resp [cps/ug/l]	Resp (Required) [cps/ug/l]	Resp (Flag)
9	500	166	1663.29		
24	2000	1264	12641.14		
59	10000	9434	94342.15		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	9.738	5.000	Fail
24	3.014	5.000	
59	1.890	5.000	

Mass	Background	Background (Required)	Background (Flag)
9			
24			
59			

Resolution/Axis



Integration Time [sec]	0.1
Acquisition Time [sec]	22.24
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	178.52	8.90	8.90 - 9.10	
24	1258.32	23.95	23.90 - 24.10	
59	9426.41	58.90	58.90 - 59.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.740		
24	0.63	0.781		
59	0.60	0.769		

Tune Parameters

Plasma Parameters

Tune Check Report

Plasma Mode	---	Nebulizer Gas	0.48 L/min	Dilution Gas	0.55 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	---
RF Matching	1.70 V	Nebulizer Pump	0.10 rps	Plasma Gas	---
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.0 V	Deflect	0.4 V
Extract 2	-190.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-100 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.8 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9987	QP Bias	-13.0 V
Mass Offset	127	Axis Offset	0.10		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.5 mm		

EM

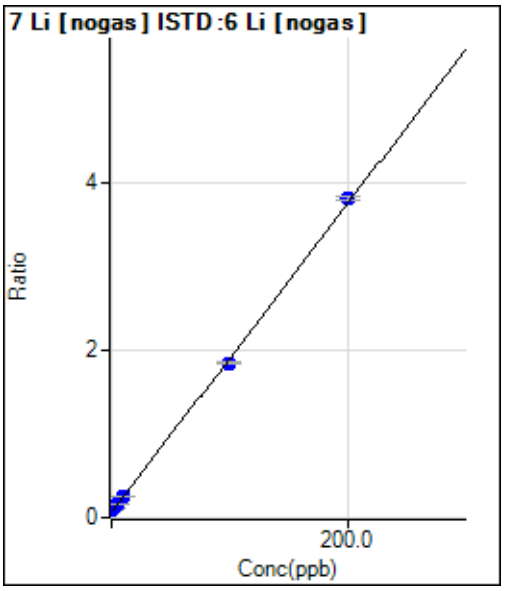
Discriminator	4.5 mV	Analog HV	1644 V	Pulse HV	1681 V

Calibration for 348_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070524A.b\
Analysis File: 070524A.batch.bin
DA Date-Time: 7/6/2024 10:31:27 AM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	341CALB.d	CAL BLK	7/5/2024 10:56:49 PM
2	342CALS.d	2/10/200	7/5/2024 10:59:18 PM
3	343CALS.d	5/25/500	7/5/2024 11:01:47 PM
4	344CALS.d	10/50/1000	7/5/2024 11:04:16 PM
5	345CALS.d	100/500/10K	7/5/2024 11:06:46 PM
6	346CALS.d	200/1000/20K	7/5/2024 11:09:16 PM
7			

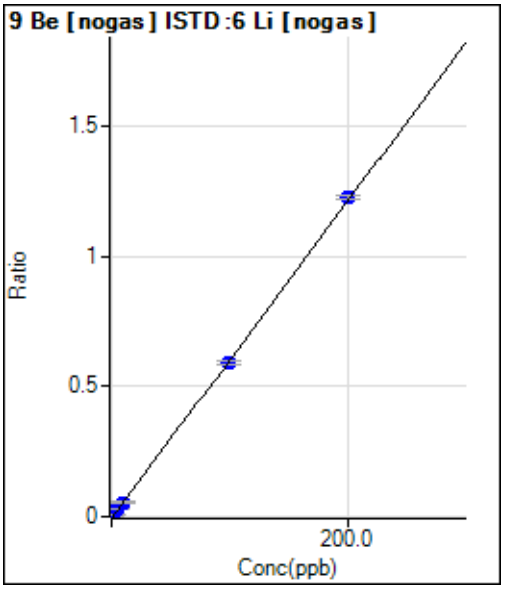
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	88946.75	0.0819	P	1.0	
2	☐	2.000	1.827	124900.13	0.1156	P	1.0	-8.7
3	☐	5.000	4.562	177382.29	0.1661	P	1.1	-8.8
4	☐	10.000	9.239	264389.73	0.2524	P	0.5	-7.6
5	☐	100.000	95.421	1796434.77	1.8429	P	1.5	-4.6
6	☐	200.000	202.340	3423099.74	3.8161	P	0.8	1.2
7	☐	1.000						

y = 0.0185 * x + 0.0819
R = 0.9996
DL = 0.129 ppb
BEC = 4.44 ppb

Weight: <None>
Min Conc: <None>

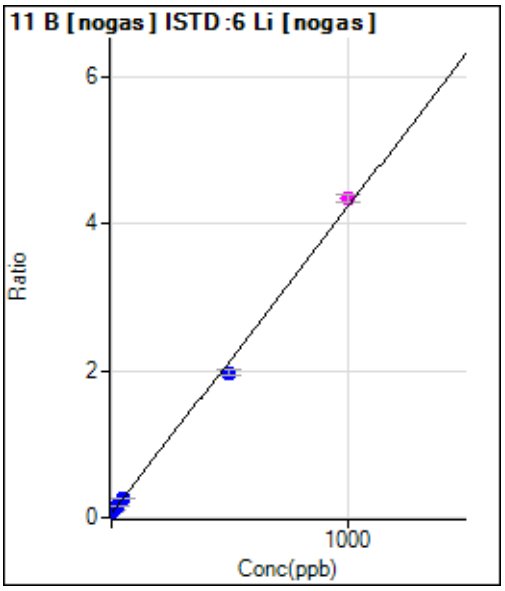


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.33	0.0001	P	11.9	
2	☐	2.000	1.750	11631.08	0.0108	P	3.5	-12.5
3	☐	5.000	4.354	28471.11	0.0267	P	2.8	-12.9
4	☐	10.000	9.056	57965.71	0.0553	P	1.4	-9.4
5	☐	100.000	97.476	579769.41	0.5948	P	2.8	-2.5
6	☐	200.000	201.328	1101992.56	1.2285	P	0.8	0.7
7	☐	1.000						

y = 0.0061 * x + 9.5171E-005
R = 0.9999
DL = 0.005588 ppb
BEC = 0.0156 ppb

Weight: <None>
Min Conc: <None>

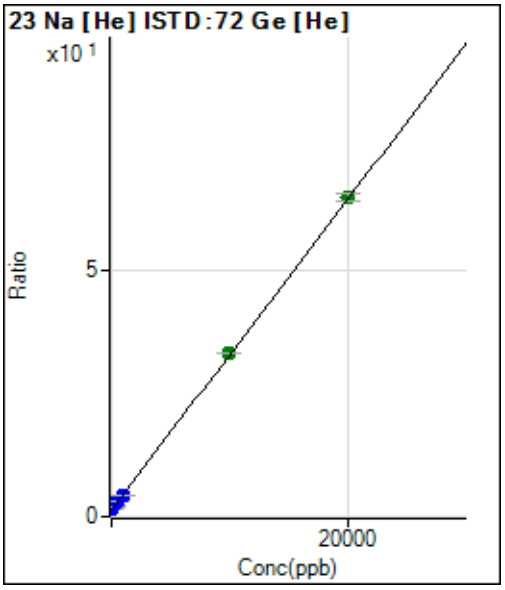
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	85156.38	0.0784	P	1.7	
2	☐	10.000	7.664	119298.46	0.1105	P	1.7	-23.4
3	☐	25.000	20.001	172957.95	0.1620	P	0.7	-20.0
4	☐	50.000	42.204	266778.78	0.2547	P	0.9	-15.6
5	☐	500.000	454.491	1926632.58	1.9768	P	3.3	-9.1
6	☐	1000.000	1023.292	3904391.71	4.3526	M	2.9	2.3
7	☐	5.000						

y = 0.0042 * x + 0.0784
R = 0.9986
DL = 0.9795 ppb
BEC = 18.78 ppb

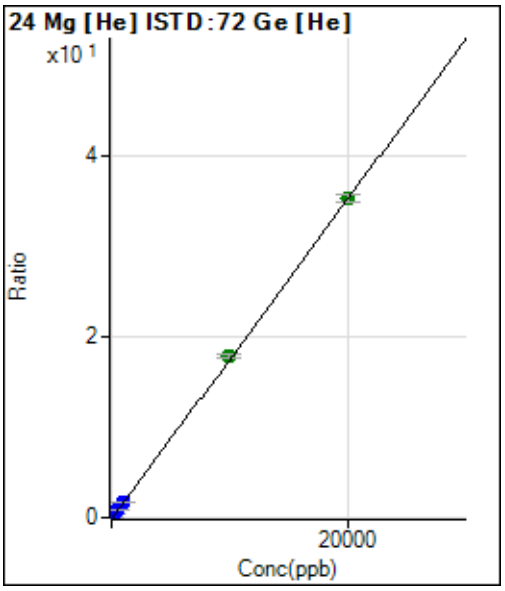
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1092002.59	1.6467	P	0.7	
2	☐	200.000	158.448	1410718.93	2.1463	P	0.8	-20.8
3	☐	500.000	419.492	1932076.12	2.9694	P	0.5	-16.1
4	☐	1000.000	874.476	2867147.98	4.4040	P	1.3	-12.6
5	☐	10000.00	9997.022	21020542.60	33.1686	A	0.7	0.0
6	☐	20000.00	20010.19	40486291.89	64.7415	A	2.0	0.1
7	☐	100.000						

y = 0.0032 * x + 1.6467
R = 1.0000
DL = 11.18 ppb
BEC = 522.2 ppb

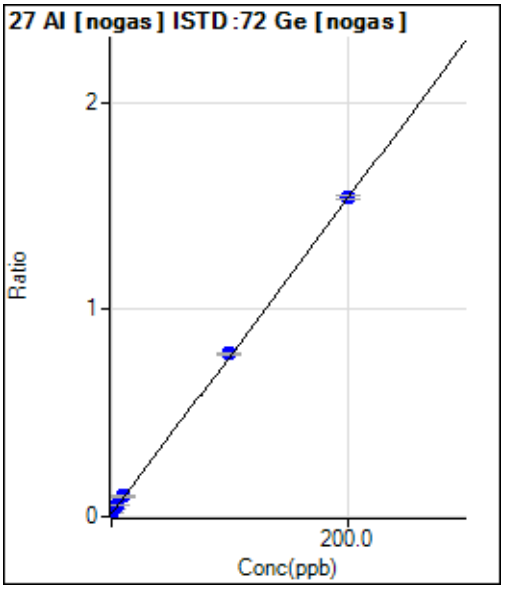
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2270.21	0.0034	P	13.8	
2	☐	200.000	187.062	219595.29	0.3341	P	0.6	-6.5
3	☐	500.000	473.065	546347.81	0.8397	P	0.6	-5.4
4	☐	1000.000	949.290	1094762.87	1.6815	P	1.1	-5.1
5	☐	10000.00	10113.64	11332600.66	17.8815	A	2.2	1.1
6	☐	20000.00	19946.51	22049745.50	35.2632	A	3.0	-0.3
7	☐	100.000						

y = 0.0018 * x + 0.0034
R = 1.0000
DL = 0.8044 ppb
BEC = 1.937 ppb

Weight: <None>
Min Conc: <None>

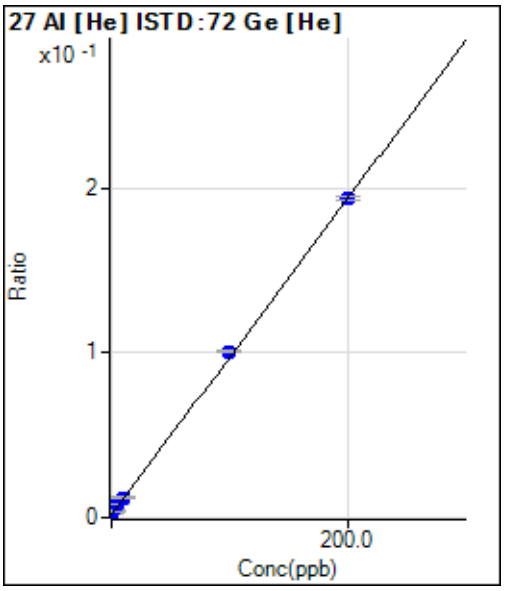


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	48664.57	0.0208	P	1.8	
2	☐	2.000	1.648	77876.57	0.0333	P	2.4	-17.6
3	☐	5.000	4.798	132677.84	0.0573	P	2.1	-4.0
4	☐	10.000	10.083	222620.47	0.0976	P	0.5	0.8
5	☐	100.000	100.788	1806390.91	0.7884	P	1.0	0.8
6	☐	200.000	199.610	3418787.45	1.5411	P	0.9	-0.2
7	☐	1.000						

y = 0.0076 * x + 0.0208
R = 1.0000
DL = 0.1509 ppb
BEC = 2.73 ppb

Weight: <None>
Min Conc: <None>

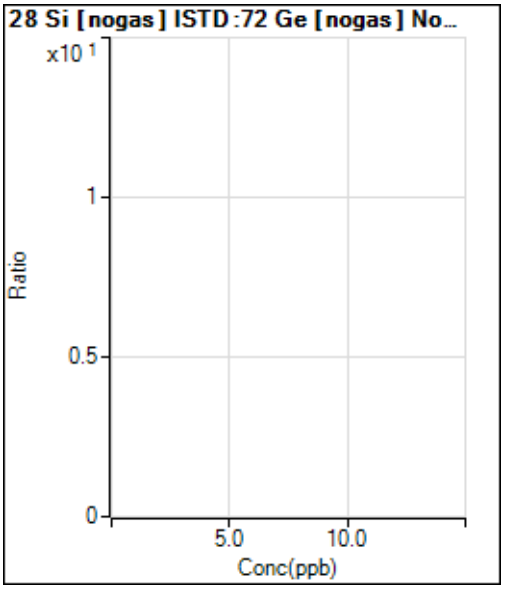
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1756.81	0.0026	P	4.0	
2	☐	2.000	1.644	2780.31	0.0042	P	7.4	-17.8
3	☐	5.000	5.355	5074.25	0.0078	P	3.3	7.1
4	☐	10.000	9.822	7878.83	0.0121	P	3.8	-1.8
5	☐	100.000	101.935	63809.00	0.1007	P	1.2	1.9
6	☐	200.000	199.036	121358.58	0.1941	P	1.5	-0.5
7	☐	1.000						

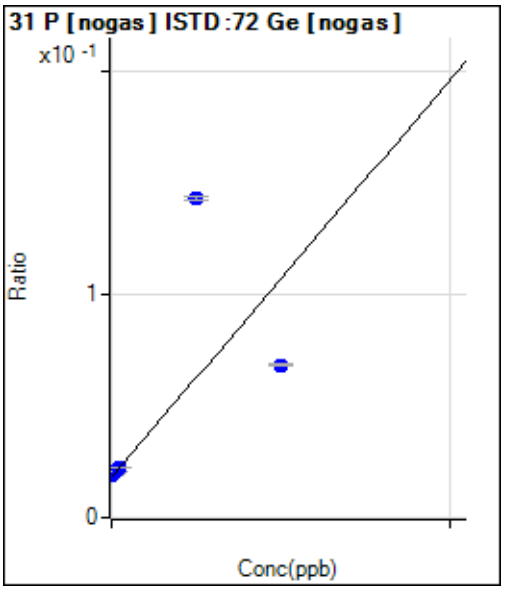
y = 9.6174E-004 * x + 0.0026
R = 0.9999
DL = 0.329 ppb
BEC = 2.754 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

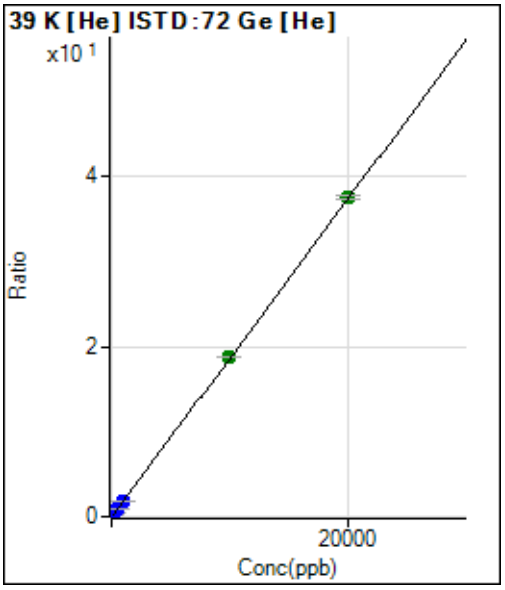
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	44324.36	0.0189	P	1.1	
2	☐	10.000	9.765	46263.26	0.0198	P	2.4	-2.4
3	☐	25.000	17.463	47417.11	0.0205	P	1.2	-30.1
4	☐	50.000	39.908	51312.60	0.0225	P	1.7	-20.2
5	☐	500.000	1391.202	328015.95	0.1432	P	0.8	178.2
6	☐	1000.000	555.094	151966.81	0.0685	P	1.5	-44.5
7	☐	5.000						

y = 8.9301E-005 * x + 0.0189
R = 0.6302
DL = 7.156 ppb
BEC = 212 ppb

Weight: <None>
Min Conc: <None>

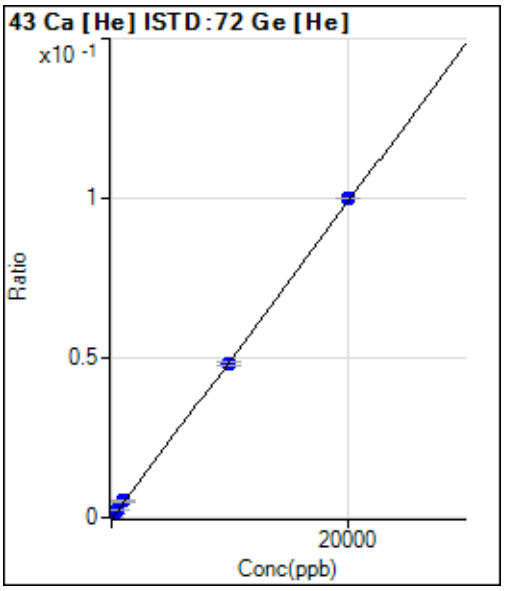


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	90681.35	0.1368	P	1.4	
2	☐	200.000	183.049	314620.65	0.4787	P	1.3	-8.5
3	☐	500.000	460.268	648376.66	0.9965	P	0.6	-7.9
4	☐	1000.000	914.404	1201056.91	1.8448	P	1.0	-8.6
5	☐	10000.00	9981.456	11902793.57	18.7815	A	0.6	-0.2
6	☐	20000.00	20014.71	23463719.65	37.5230	A	1.6	0.1
7	☐	100.000						

y = 0.0019 * x + 0.1368
R = 1.0000
DL = 3.051 ppb
BEC = 73.21 ppb

Weight: <None>
Min Conc: <None>

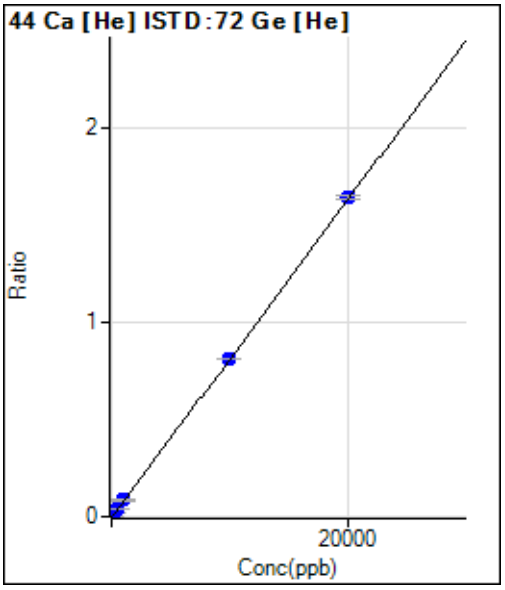
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	65.1	
2	☐	200.000	199.291	673.36	0.0010	P	17.6	-0.4
3	☐	500.000	488.289	1600.11	0.0025	P	8.4	-2.3
4	☐	1000.000	1030.012	3350.42	0.0051	P	4.0	3.0
5	☐	10000.00	9713.867	30581.31	0.0483	P	2.0	-2.9
6	☐	20000.00	20141.86	62548.33	0.1000	P	0.3	0.7
7	☐	100.000						

y = 4.9638E-006 * x + 3.5135E-005
R = 0.9999
DL = 13.82 ppb
BEC = 7.078 ppb

Weight: <None>
Min Conc: <None>

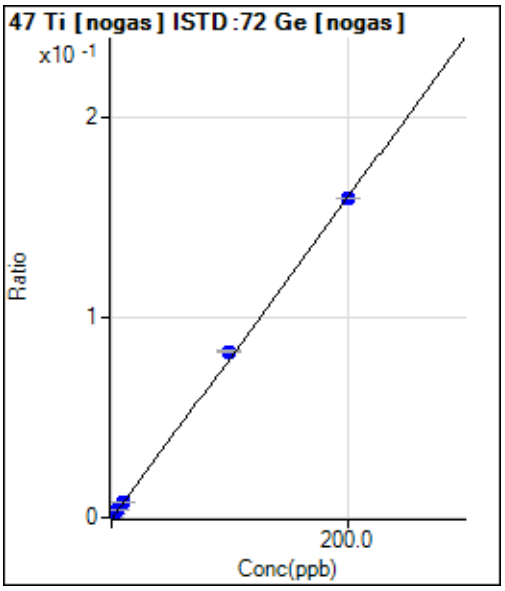


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1073.39	0.0016	P	4.1	
2	☐	200.000	202.473	11971.57	0.0182	P	5.7	1.2
3	☐	500.000	489.197	27141.13	0.0417	P	1.7	-2.2
4	☐	1000.000	1010.219	54959.53	0.0844	P	1.8	1.0
5	☐	10000.00	9892.045	514834.59	0.8124	P	0.7	-1.1
6	☐	20000.00	20053.71	1028852.07	1.6452	P	0.8	0.3
7	☐	100.000						

y = 8.1959E-005 * x + 0.0016
R = 1.0000
DL = 2.423 ppb
BEC = 19.75 ppb

Weight: <None>
Min Conc: <None>

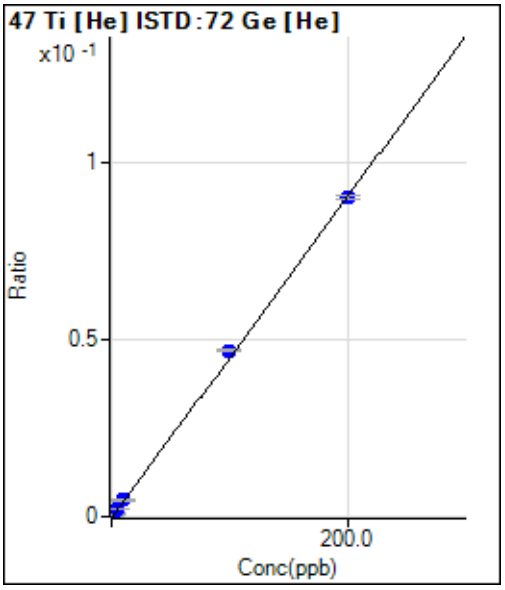
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	193.34	0.0001	P	31.0	
2	☐	2.000	2.024	3990.60	0.0017	P	2.8	1.2
3	☐	5.000	4.826	9159.61	0.0040	P	1.9	-3.5
4	☐	10.000	10.028	18561.70	0.0081	P	0.2	0.3
5	☐	100.000	103.248	190183.20	0.0830	P	1.8	3.2
6	☐	200.000	198.379	353640.02	0.1594	P	0.5	-0.8
7	☐	1.000						

y = 8.0314E-004 * x + 8.2462E-005
R = 0.9998
DL = 0.09535 ppb
BEC = 0.1027 ppb

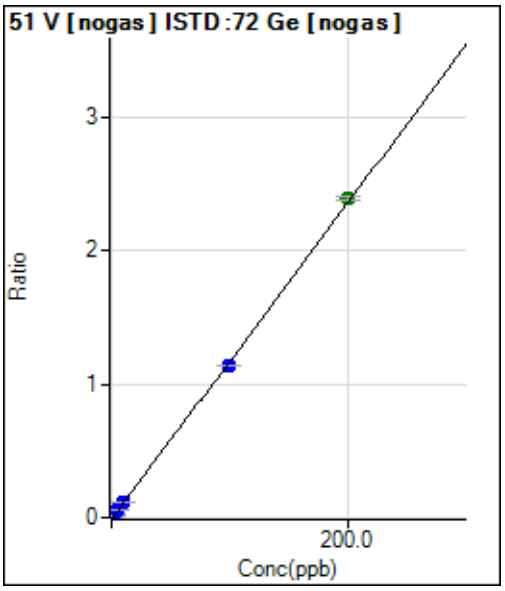
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	25.1	
2	☐	2.000	1.831	570.02	0.0009	P	13.8	-8.4
3	☐	5.000	4.873	1463.43	0.0022	P	7.5	-2.5
4	☐	10.000	10.156	3027.03	0.0046	P	6.8	1.6
5	☐	100.000	103.076	29702.77	0.0469	P	0.7	3.1
6	☐	200.000	198.459	56408.62	0.0902	P	1.3	-0.8
7	☐	1.000						

y = 4.5435E-004 * x + 3.5205E-005
R = 0.9998
DL = 0.05831 ppb
BEC = 0.07748 ppb

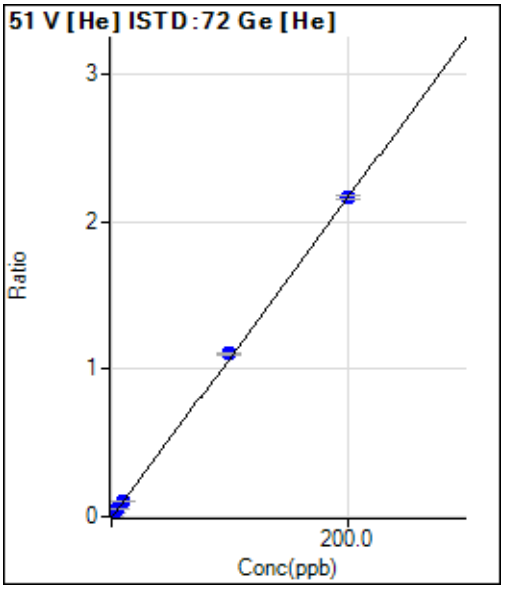
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1652.24	0.0007	P	113.0	
2	☐	2.000	1.805	51556.59	0.0221	P	8.2	-9.7
3	☐	5.000	4.501	124997.36	0.0540	P	5.1	-10.0
4	☐	10.000	9.320	253487.54	0.1111	P	1.9	-6.8
5	☐	100.000	96.324	2615666.75	1.1417	P	0.6	-3.7
6	☐	200.000	201.886	5306234.87	2.3920	A	1.4	0.9
7	☐	1.000						

y = 0.0118 * x + 7.0051E-004
R = 0.9998
DL = 0.2005 ppb
BEC = 0.05914 ppb

Weight: <None>
Min Conc: <None>

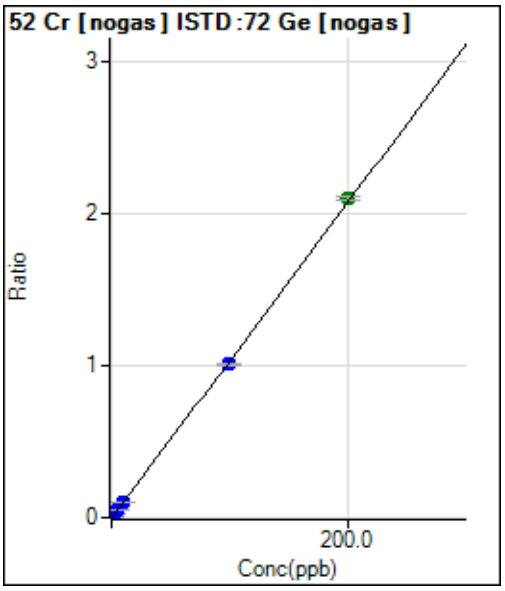


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1748.13	0.0026	P	11.7	
2	☐	2.000	2.055	16417.18	0.0250	P	4.5	2.8
3	☐	5.000	4.910	36443.67	0.0560	P	2.2	-1.8
4	☐	10.000	9.804	71093.73	0.1092	P	2.1	-2.0
5	☐	100.000	101.475	700734.75	1.1057	P	1.2	1.5
6	☐	200.000	199.274	1356206.28	2.1688	P	1.4	-0.4
7	☐	1.000						

y = 0.0109 * x + 0.0026
R = 1.0000
DL = 0.08499 ppb
BEC = 0.2426 ppb

Weight: <None>
Min Conc: <None>

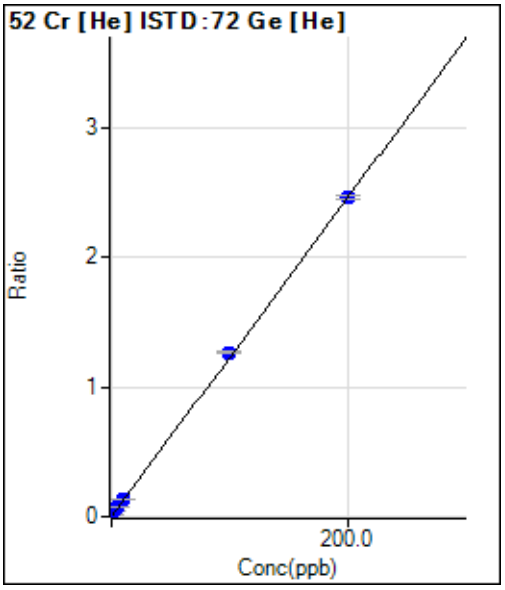
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14660.70	0.0063	P	4.9	
2	☐	2.000	1.889	60565.01	0.0259	P	1.4	-5.5
3	☐	5.000	4.742	128693.97	0.0556	P	2.1	-5.2
4	☐	10.000	9.620	242688.83	0.1064	P	1.9	-3.8
5	☐	100.000	96.675	2319856.17	1.0125	P	1.1	-3.3
6	☐	200.000	201.689	4670651.08	2.1056	A	1.7	0.8
7	☐	1.000						

y = 0.0104 * x + 0.0063
R = 0.9998
DL = 0.0876 ppb
BEC = 0.6016 ppb

Weight: <None>
Min Conc: <None>

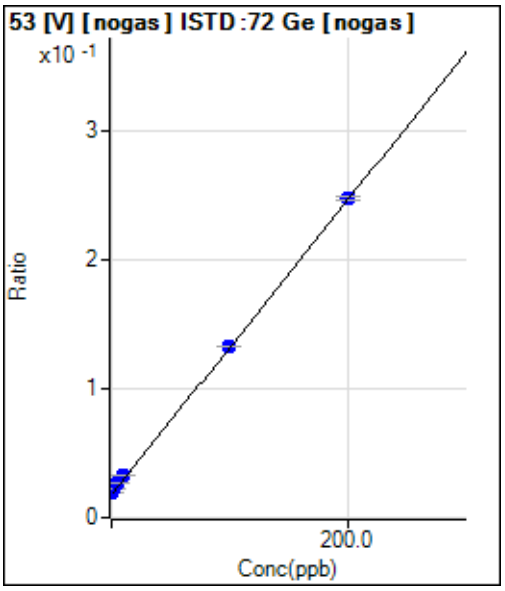


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9563.21	0.0144	P	5.7	
2	☐	2.000	2.007	25692.17	0.0391	P	2.5	0.3
3	☐	5.000	5.029	49608.16	0.0762	P	1.2	0.6
4	☐	10.000	9.852	88203.47	0.1355	P	3.2	-1.5
5	☐	100.000	101.637	800884.00	1.2637	P	1.4	1.6
6	☐	200.000	199.188	1540017.48	2.4627	P	1.5	-0.4
7	☐	1.000						

y = 0.0123 * x + 0.0144
R = 1.0000
DL = 0.2012 ppb
BEC = 1.173 ppb

Weight: <None>
Min Conc: <None>

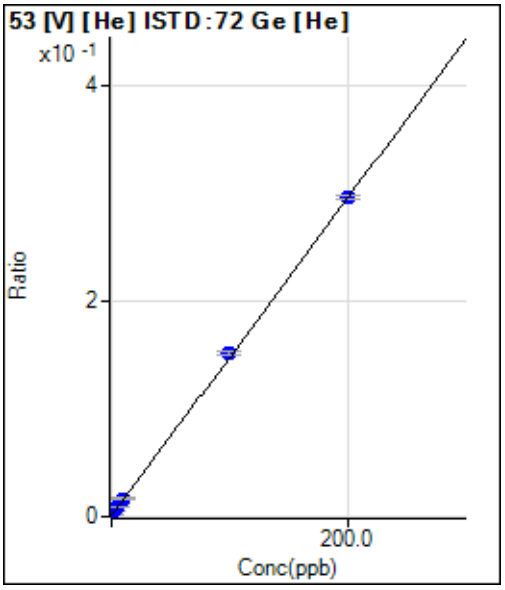
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	44830.17	0.0191	P	1.6	
2	☐	2.000	3.112	53040.02	0.0227	P	2.0	55.6
3	☐	5.000	6.758	62141.40	0.0269	P	1.4	35.2
4	☐	10.000	11.942	74731.17	0.0328	P	2.6	19.4
5	☐	100.000	99.588	304019.87	0.1327	P	0.8	-0.4
6	☐	200.000	200.054	548536.84	0.2473	P	1.2	0.0
7	☐	1.000						

y = 0.0011 * x + 0.0191
R = 0.9999
DL = 0.8076 ppb
BEC = 16.79 ppb

Weight: <None>
Min Conc: <None>

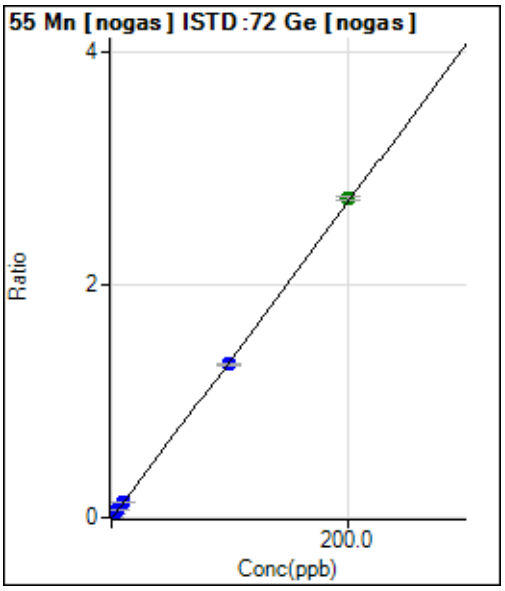


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1486.77	0.0022	P	5.1	
2	☐	2.000	1.738	3157.06	0.0048	P	2.7	-13.1
3	☐	5.000	4.838	6098.01	0.0094	P	2.3	-3.2
4	☐	10.000	9.816	10874.12	0.0167	P	4.2	-1.8
5	☐	100.000	101.288	96016.74	0.1515	P	1.6	1.3
6	☐	200.000	199.372	185129.17	0.2960	P	1.2	-0.3
7	☐	1.000						

y = 0.0015 * x + 0.0022
R = 1.0000
DL = 0.2339 ppb
BEC = 1.522 ppb

Weight: <None>
Min Conc: <None>

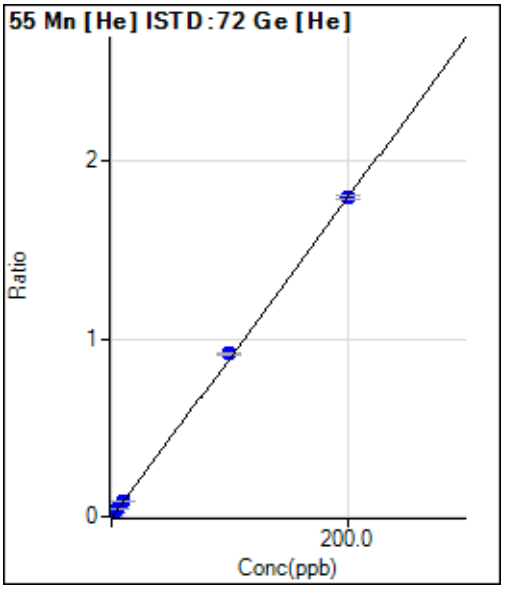
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9059.55	0.0039	P	1.9	
2	☐	2.000	1.840	67477.65	0.0289	P	1.6	-8.0
3	☐	5.000	4.751	158313.17	0.0684	P	1.4	-5.0
4	☐	10.000	9.605	306513.72	0.1344	P	1.9	-3.9
5	☐	100.000	96.726	3019853.49	1.3181	P	0.6	-3.3
6	☐	200.000	201.665	6086801.99	2.7439	A	1.1	0.8
7	☐	1.000						

y = 0.0136 * x + 0.0039
R = 0.9998
DL = 0.0165 ppb
BEC = 0.2848 ppb

Weight: <None>
Min Conc: <None>

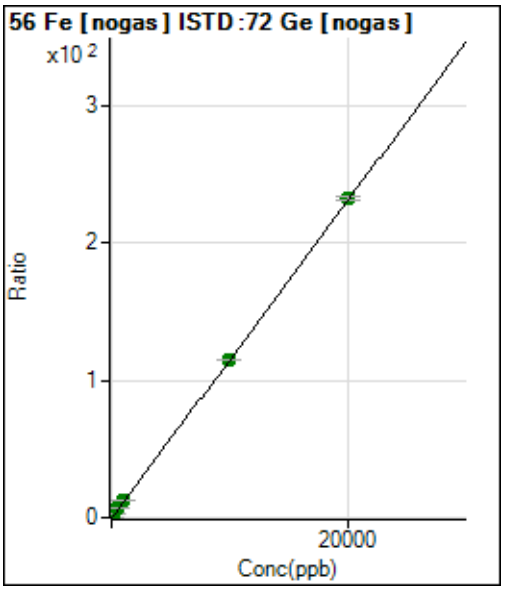


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	420.01	0.0006	P	5.9	
2	☐	2.000	1.935	11898.18	0.0181	P	0.6	-3.2
3	☐	5.000	4.964	29569.32	0.0454	P	1.0	-0.7
4	☐	10.000	9.907	58643.96	0.0901	P	0.6	-0.9
5	☐	100.000	101.492	581055.46	0.9168	P	0.8	1.5
6	☐	200.000	199.260	1125302.09	1.7994	P	0.8	-0.4
7	☐	1.000						

y = 0.0090 * x + 6.3327E-004
R = 1.0000
DL = 0.01236 ppb
BEC = 0.07015 ppb

Weight: <None>
Min Conc: <None>

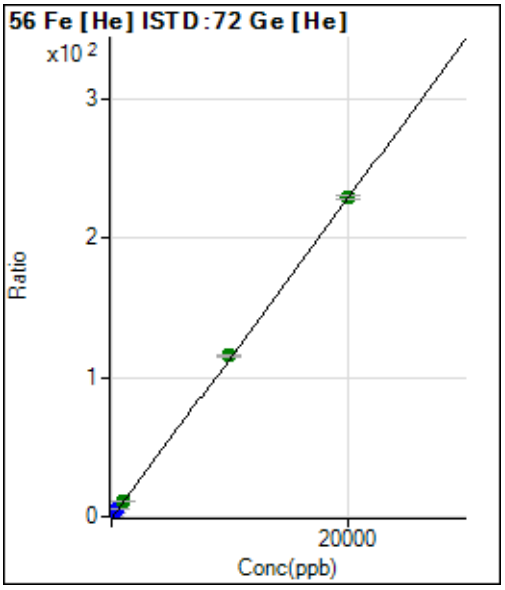
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1339088.52	0.5720	P	0.5	
2	☐	200.000	209.113	6992793.64	2.9930	A	1.0	4.6
3	☐	500.000	510.091	14988056.86	6.4776	A	2.0	2.0
4	☐	1000.000	1028.522	28465937.91	12.4798	A	1.7	2.9
5	☐	10000.00	9896.352	263806176.0	115.147	A	0.6	-1.0
6	☐	20000.00	20050.05	516210578.9	232.703	A	1.1	0.3
7	☐	100.000						

y = 0.0116 * x + 0.5720
R = 1.0000
DL = 0.7314 ppb
BEC = 49.4 ppb

Weight: <None>
Min Conc: <None>

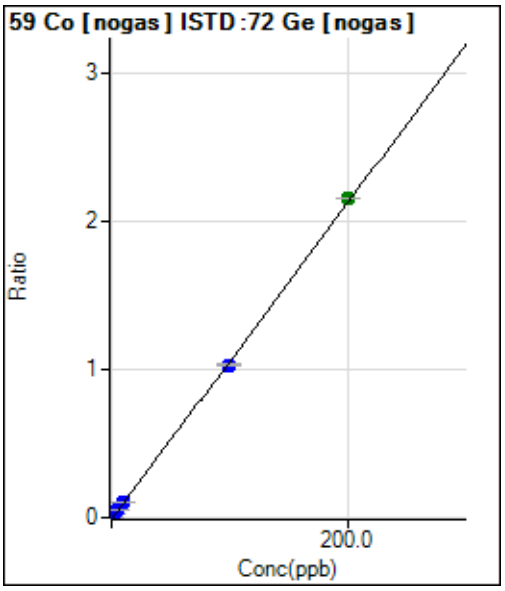


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	19396.00	0.0292	P	2.1	
2	☐	200.000	183.433	1404796.70	2.1373	P	0.1	-8.3
3	☐	500.000	461.469	3469660.89	5.3325	P	0.5	-7.7
4	☐	1000.000	1014.711	7611272.39	11.6905	A	1.0	1.5
5	☐	10000.00	10051.48	73225968.91	115.542	A	1.4	0.5
6	☐	20000.00	19974.65	143568917.8	229.581	A	0.9	-0.1
7	☐	100.000						

y = 0.0115 * x + 0.0292
R = 1.0000
DL = 0.1628 ppb
BEC = 2.545 ppb

Weight: <None>
Min Conc: <None>

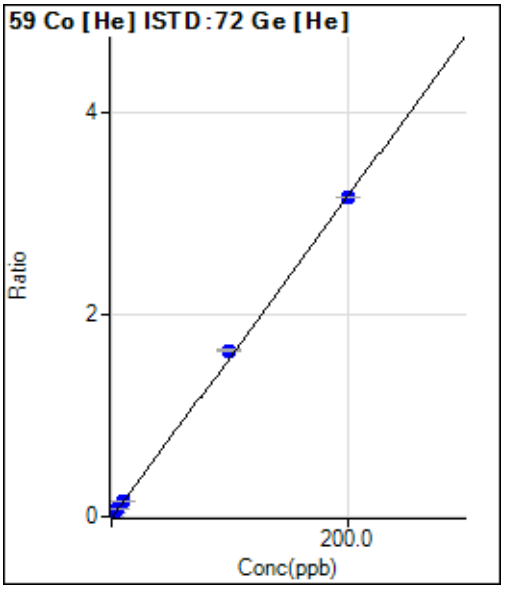
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	226.67	0.0001	P	9.2	
2	☐	2.000	1.913	47896.35	0.0205	P	4.9	-4.4
3	☐	5.000	4.743	117331.25	0.0507	P	2.0	-5.1
4	☐	10.000	9.616	234323.94	0.1027	P	1.2	-3.8
5	☐	100.000	96.387	2356940.07	1.0287	P	1.1	-3.6
6	☐	200.000	201.833	4778598.58	2.1540	A	0.6	0.9
7	☐	1.000						

y = 0.0107 * x + 9.6762E-005
R = 0.9998
DL = 0.002511 ppb
BEC = 0.009067 ppb

Weight: <None>
Min Conc: <None>

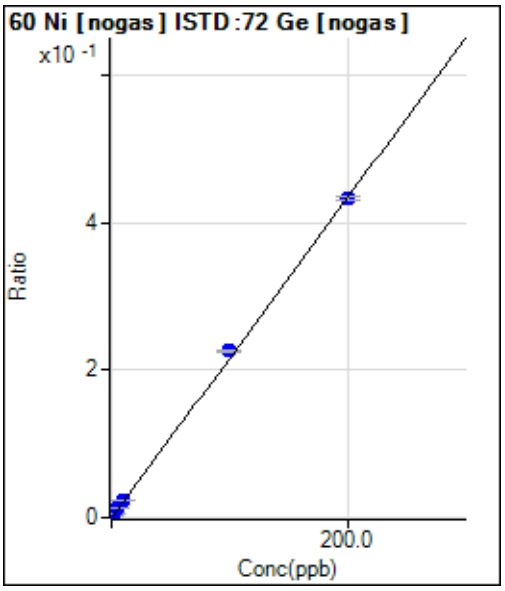


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0001	P	28.7	
2	☐	2.000	1.997	20948.18	0.0319	P	4.0	-0.1
3	☐	5.000	5.061	52468.25	0.0806	P	2.5	1.2
4	☐	10.000	9.935	102997.55	0.1582	P	1.8	-0.6
5	☐	100.000	103.244	1041500.56	1.6434	P	0.7	3.2
6	☐	200.000	198.380	1974704.76	3.1576	P	0.3	-0.8
7	☐	1.000						

y = 0.0159 * x + 8.0420E-005
R = 0.9998
DL = 0.004343 ppb
BEC = 0.005053 ppb

Weight: <None>
Min Conc: <None>

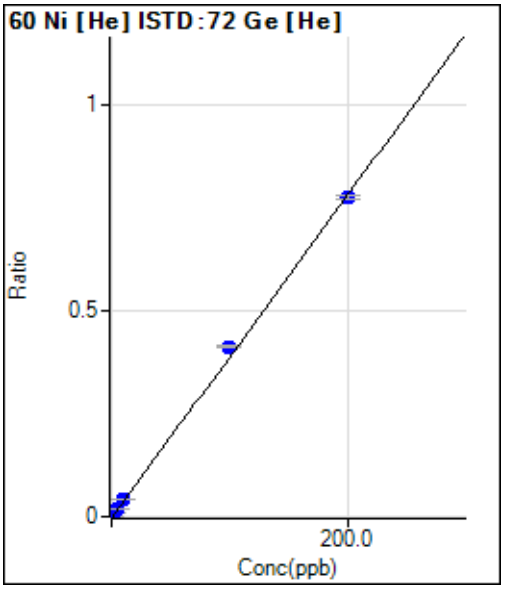
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4030.61	0.0017	P	4.5	
2	☐	2.000	1.931	13833.26	0.0059	P	3.7	-3.4
3	☐	5.000	4.900	28637.61	0.0124	P	2.4	-2.0
4	☐	10.000	10.153	54294.93	0.0238	P	1.2	1.5
5	☐	100.000	103.074	517491.36	0.2259	P	1.7	3.1
6	☐	200.000	198.458	961256.70	0.4333	P	0.7	-0.8
7	☐	1.000						

y = 0.0022 * x + 0.0017
R = 0.9998
DL = 0.1074 ppb
BEC = 0.7919 ppb

Weight: <None>
Min Conc: <None>

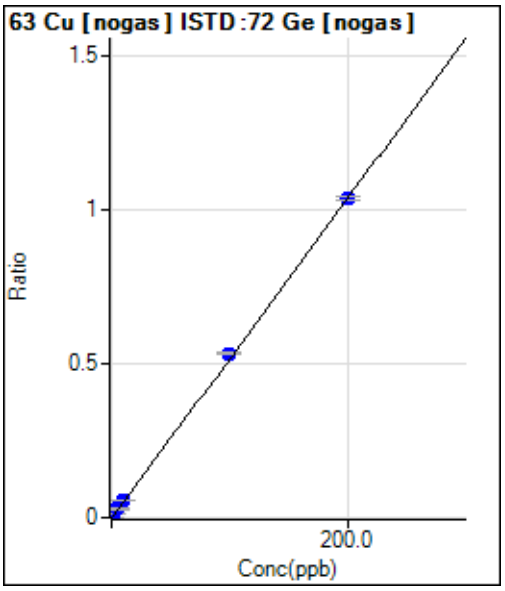


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	240.01	0.0004	P	14.7	
2	☐	2.000	1.967	5304.34	0.0081	P	1.4	-1.7
3	☐	5.000	5.111	13269.39	0.0204	P	1.0	2.2
4	☐	10.000	10.356	26653.98	0.0410	P	4.0	3.6
5	☐	100.000	104.910	260816.09	0.4115	P	0.7	4.9
6	☐	200.000	197.525	484404.63	0.7745	P	0.7	-1.2
7	☐	1.000						

y = 0.0039 * x + 3.6180E-004
R = 0.9996
DL = 0.04061 ppb
BEC = 0.09231 ppb

Weight: <None>
Min Conc: <None>

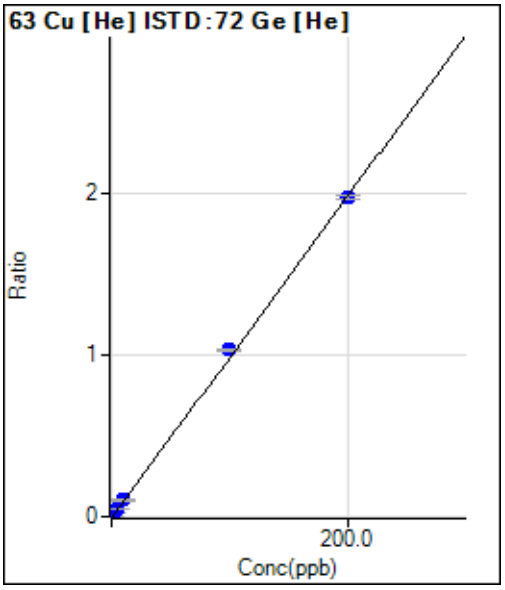
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5651.16	0.0024	P	5.9	
2	☐	2.000	2.018	30147.18	0.0129	P	3.0	0.9
3	☐	5.000	5.030	66059.00	0.0286	P	5.6	0.6
4	☐	10.000	10.259	127108.23	0.0557	P	1.8	2.6
5	☐	100.000	102.078	1220913.71	0.5329	P	1.2	2.1
6	☐	200.000	198.947	2298920.17	1.0363	P	1.1	-0.5
7	☐	1.000						

y = 0.0052 * x + 0.0024
R = 0.9999
DL = 0.08249 ppb
BEC = 0.4646 ppb

Weight: <None>
Min Conc: <None>

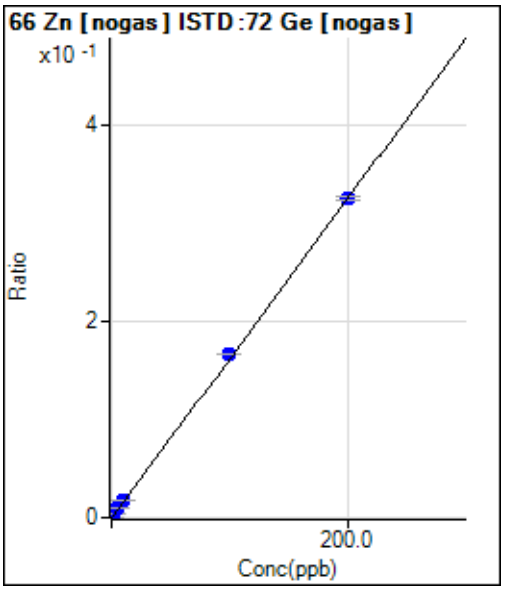


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	486.69	0.0007	P	6.7	
2	☐	2.000	2.026	13766.54	0.0209	P	2.1	1.3
3	☐	5.000	5.030	33123.49	0.0509	P	0.3	0.6
4	☐	10.000	10.099	66058.56	0.1015	P	2.5	1.0
5	☐	100.000	103.499	654741.21	1.0331	P	0.7	3.5
6	☐	200.000	198.245	1237060.73	1.9782	P	1.0	-0.9
7	☐	1.000						

y = 0.0100 * x + 7.3405E-004
R = 0.9998
DL = 0.01471 ppb
BEC = 0.07359 ppb

Weight: <None>
Min Conc: <None>

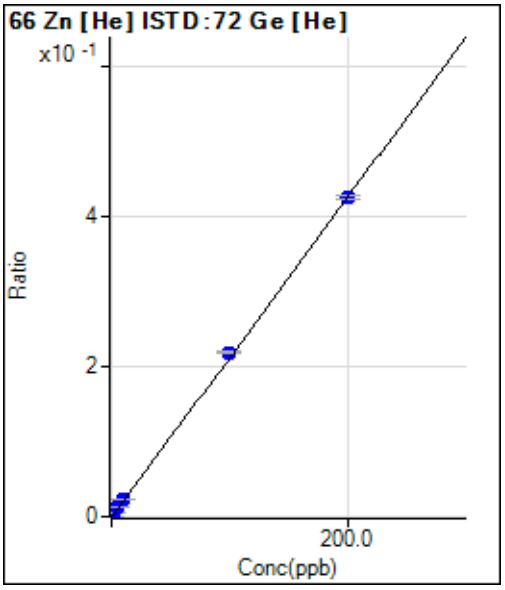
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2223.54	0.0009	P	1.3	
2	☐	2.000	2.019	9916.79	0.0042	P	7.8	1.0
3	☐	5.000	5.114	21522.44	0.0093	P	2.5	2.3
4	☐	10.000	10.491	41250.37	0.0181	P	0.6	4.9
5	☐	100.000	101.841	383215.03	0.1673	P	0.7	1.8
6	☐	200.000	199.052	723286.84	0.3260	P	0.7	-0.5
7	☐	1.000						

y = 0.0016 * x + 9.4976E-004
R = 0.9999
DL = 0.02296 ppb
BEC = 0.5816 ppb

Weight: <None>
Min Conc: <None>

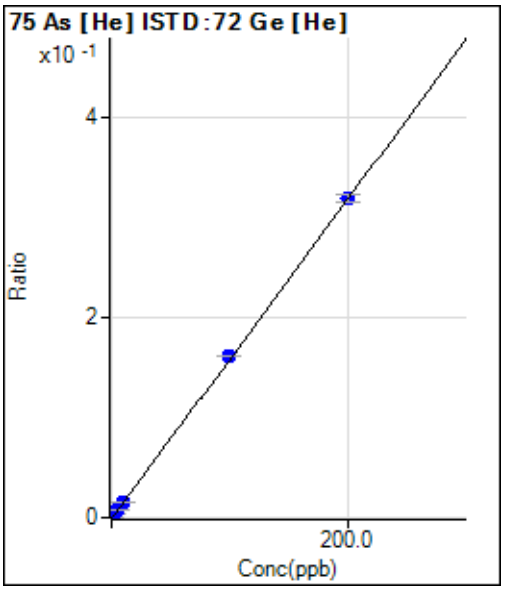


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	726.70	0.0011	P	4.2	
2	☐	2.000	1.936	3440.45	0.0052	P	5.6	-3.2
3	☐	5.000	5.052	7738.81	0.0119	P	2.0	1.0
4	☐	10.000	9.904	14497.19	0.0223	P	1.0	-1.0
5	☐	100.000	102.181	139114.48	0.2195	P	1.0	2.2
6	☐	200.000	198.914	266572.13	0.4263	P	1.6	-0.5
7	☐	1.000						

y = 0.0021 * x + 0.0011
R = 0.9999
DL = 0.06435 ppb
BEC = 0.5127 ppb

Weight: <None>
Min Conc: <None>

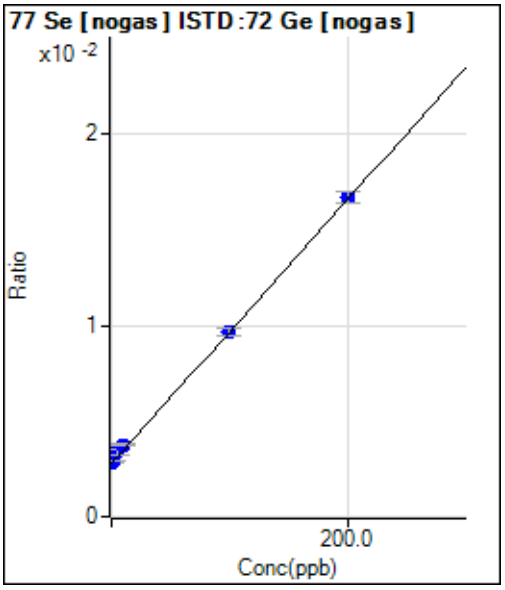
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	220.01	0.0003	P	10.4	
2	☐	2.000	1.842	2155.72	0.0033	P	6.1	-7.9
3	☐	5.000	4.777	5192.05	0.0080	P	2.6	-4.5
4	☐	10.000	9.692	10316.95	0.0158	P	1.9	-3.1
5	☐	100.000	101.006	102682.30	0.1620	P	0.4	1.0
6	☐	200.000	199.520	199927.73	0.3197	P	1.9	-0.2
7	☐	1.000						

y = 0.0016 * x + 3.3175E-004
R = 1.0000
DL = 0.06479 ppb
BEC = 0.2072 ppb

Weight: <None>
Min Conc: <None>

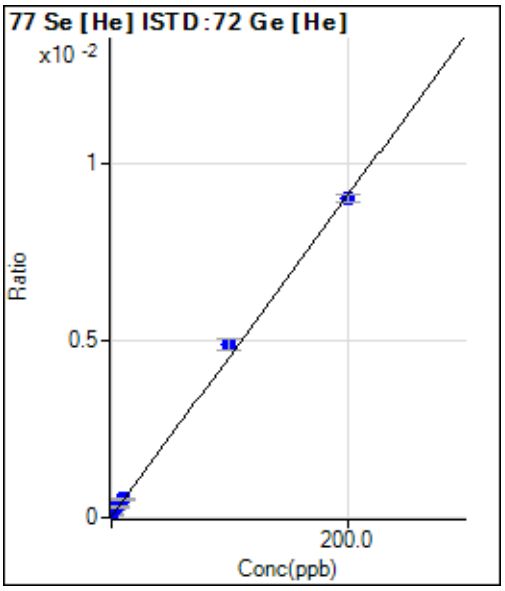


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6708.29	0.0029	P	3.2	
2	☐	2.000	1.176	6885.04	0.0029	P	1.0	-41.2
3	☐	5.000	7.522	7838.90	0.0034	P	7.5	50.4
4	☐	10.000	12.544	8515.93	0.0037	P	2.9	25.4
5	☐	100.000	98.979	22250.35	0.0097	P	4.2	-1.0
6	☐	200.000	200.328	37096.69	0.0167	P	3.9	0.2
7	☐	1.000						

y = 6.9160E-005 * x + 0.0029
R = 0.9998
DL = 3.921 ppb
BEC = 41.43 ppb

Weight: <None>
Min Conc: <None>

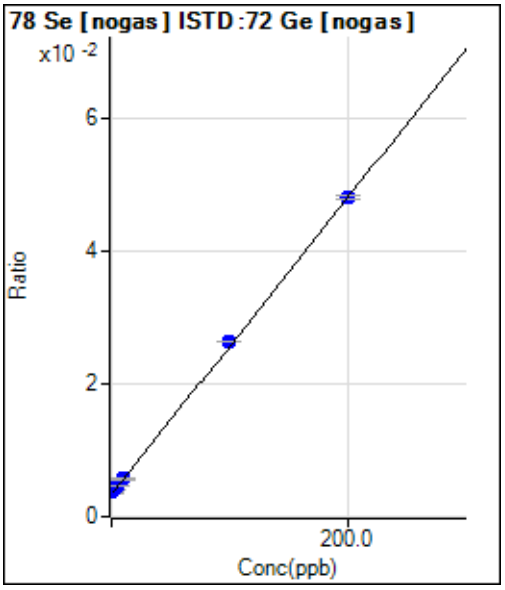
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0001	P	59.8	
2	☐	2.000	2.589	130.00	0.0002	P	0.2	29.5
3	☐	5.000	5.004	200.00	0.0003	P	17.8	0.1
4	☐	10.000	9.845	343.34	0.0005	P	15.5	-1.5
5	☐	100.000	105.720	3090.38	0.0049	P	6.5	5.7
6	☐	200.000	197.142	5644.50	0.0090	P	2.4	-1.4
7	☐	1.000						

y = 4.5368E-005 * x + 8.0306E-005
R = 0.9994
DL = 3.178 ppb
BEC = 1.77 ppb

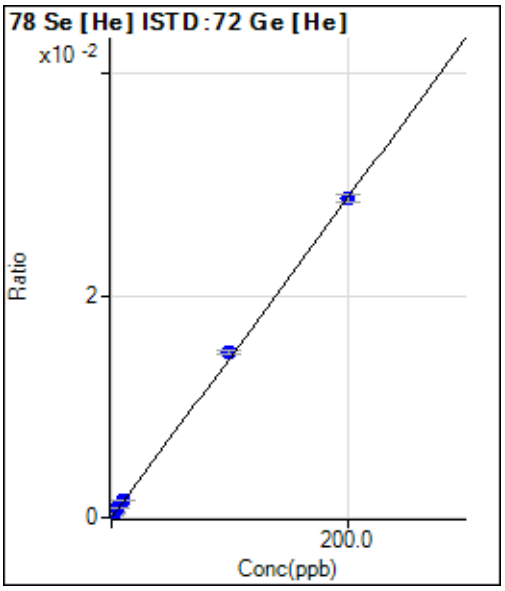
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8512.57	0.0036	P	3.7	
2	☐	2.000	1.664	9366.44	0.0040	P	1.3	-16.8
3	☐	5.000	4.700	10850.77	0.0047	P	1.5	-6.0
4	☐	10.000	9.112	12952.49	0.0057	P	1.2	-8.9
5	☐	100.000	101.877	60593.58	0.0264	P	0.5	1.9
6	☐	200.000	199.117	106979.86	0.0482	P	0.8	-0.4
7	☐	1.000						

y = 2.2391E-004 * x + 0.0036
R = 0.9999
DL = 1.807 ppb
BEC = 16.24 ppb

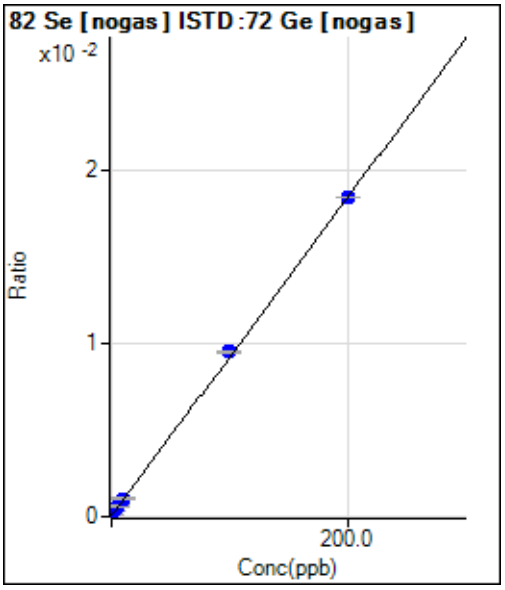
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	90.67	0.0001	P	7.1	
2	☐	2.000	1.931	272.67	0.0004	P	11.0	-3.5
3	☐	5.000	5.061	563.34	0.0009	P	2.4	1.2
4	☐	10.000	9.928	1020.04	0.0016	P	3.0	-0.7
5	☐	100.000	102.696	9463.04	0.0149	P	2.4	2.7
6	☐	200.000	198.655	17982.20	0.0288	P	2.1	-0.7
7	☐	1.000						

y = 1.4407E-004 * x + 1.3675E-004
R = 0.9999
DL = 0.2035 ppb
BEC = 0.9492 ppb

Weight: <None>
Min Conc: <None>

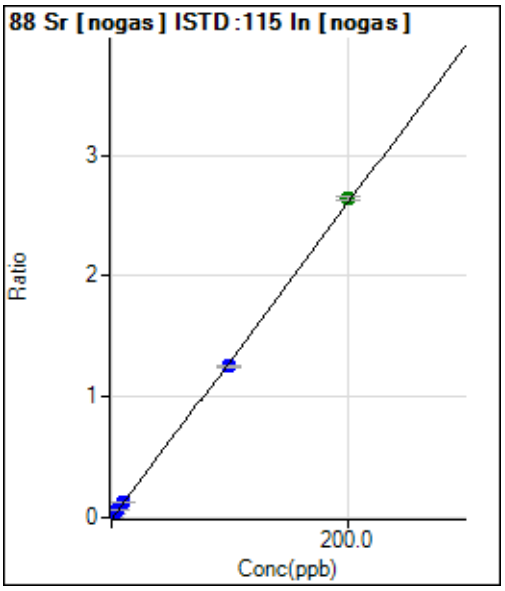


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	340.01	0.0001	P	8.9	
2	☐	2.000	2.035	776.70	0.0003	P	12.7	1.8
3	☐	5.000	4.937	1386.76	0.0006	P	10.8	-1.3
4	☐	10.000	9.544	2336.89	0.0010	P	9.4	-4.6
5	☐	100.000	101.960	21823.02	0.0095	P	1.5	2.0
6	☐	200.000	199.044	40946.97	0.0185	P	0.5	-0.5
7	☐	1.000						

y = 9.2000E-005 * x + 1.4525E-004
R = 0.9999
DL = 0.4208 ppb
BEC = 1.579 ppb

Weight: <None>
Min Conc: <None>

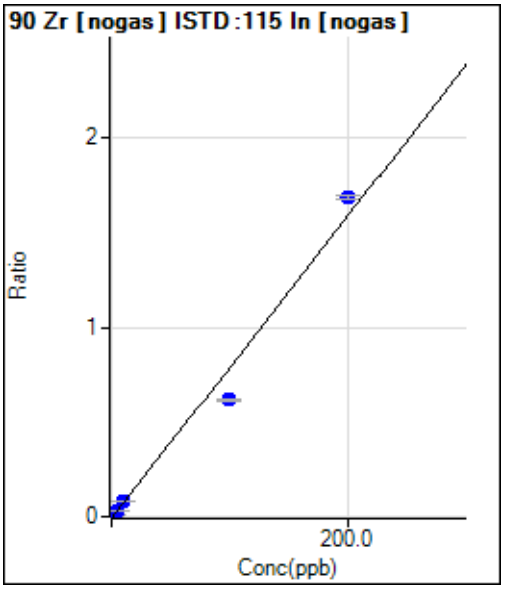
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1236.74	0.0005	P	15.1	
2	☐	2.000	1.828	62040.23	0.0244	P	1.2	-8.6
3	☐	5.000	4.554	152114.95	0.0600	P	0.7	-8.9
4	☐	10.000	9.373	307523.41	0.1230	P	1.3	-6.3
5	☐	100.000	95.972	3129169.85	1.2552	P	1.2	-4.0
6	☐	200.000	202.058	6335917.61	2.6422	A	1.5	1.0
7	☐	1.000						

y = 0.0131 * x + 4.8245E-004
R = 0.9997
DL = 0.01677 ppb
BEC = 0.0369 ppb

Weight: <None>
Min Conc: <None>

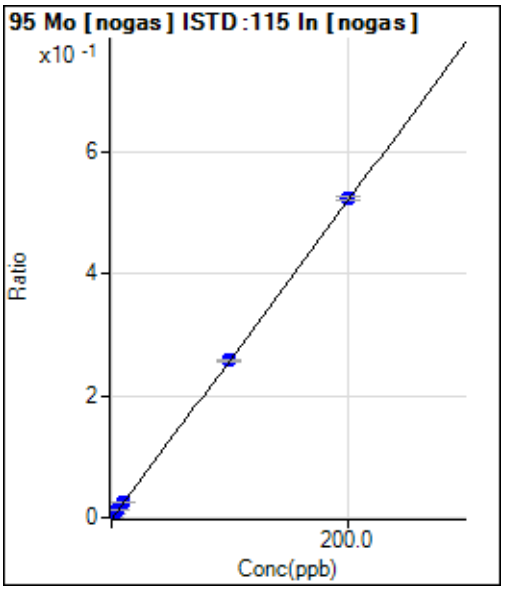


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1563.44	0.0006	P	3.7	
2	☐	2.000	1.531	32629.99	0.0128	P	2.8	-23.4
3	☐	5.000	4.210	86651.06	0.0342	P	1.8	-15.8
4	☐	10.000	9.530	191566.46	0.0766	P	0.7	-4.7
5	☐	100.000	77.389	1540530.39	0.6180	P	1.1	-22.6
6	☐	200.000	211.353	4044434.00	1.6867	P	1.3	5.7
7	☐	1.000						

y = 0.0080 * x + 6.1016E-004
R = 0.9915
DL = 0.008587 ppb
BEC = 0.07649 ppb

Weight: <None>
Min Conc: <None>

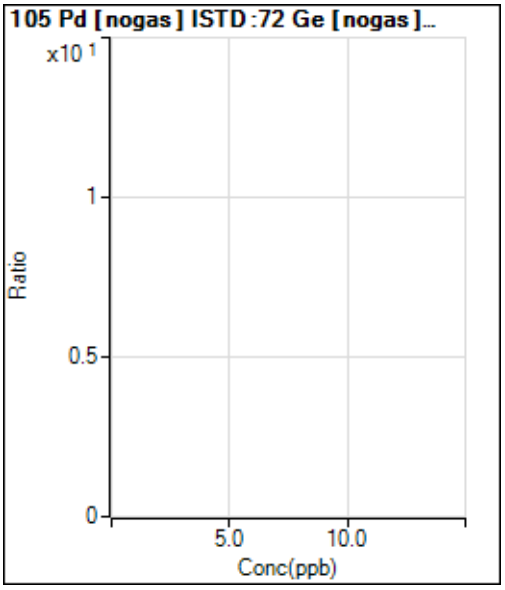
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	293.34	0.0001	P	18.8	
2	☐	2.000	1.868	12665.66	0.0050	P	3.5	-6.6
3	☐	5.000	4.656	31023.06	0.0122	P	4.1	-6.9
4	☐	10.000	9.660	63189.23	0.0253	P	1.6	-3.4
5	☐	100.000	98.685	641159.64	0.2572	P	1.4	-1.3
6	☐	200.000	200.684	1253854.77	0.5229	P	1.4	0.3
7	☐	1.000						

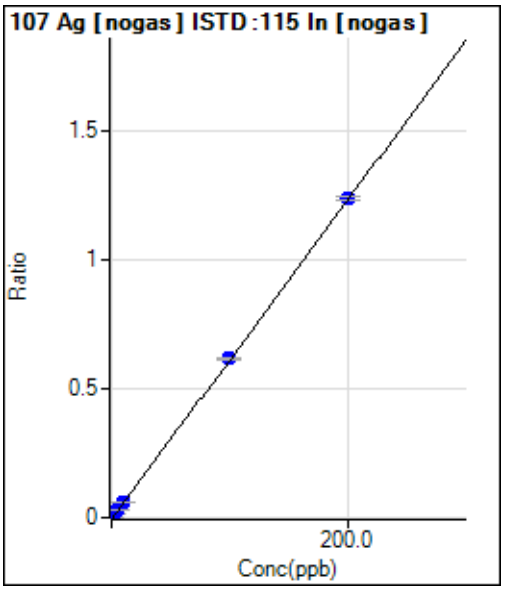
y = 0.0026 * x + 1.1449E-004
R = 1.0000
DL = 0.02478 ppb
BEC = 0.04395 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

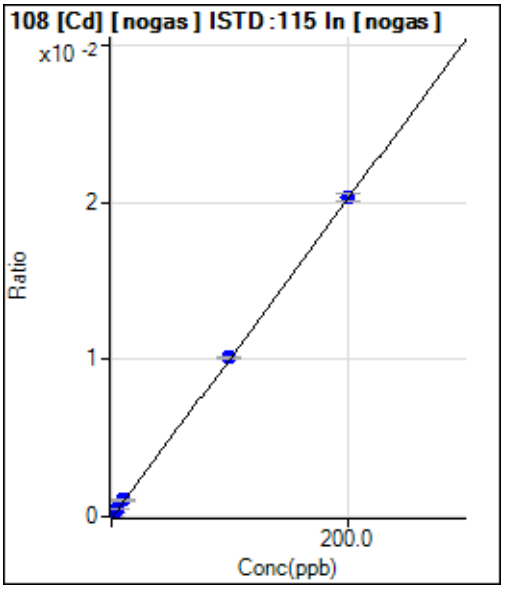
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	120.00	0.0000	P	52.1	
2	☐	2.000	1.921	30391.91	0.0119	P	3.1	-4.0
3	☐	5.000	4.952	77874.22	0.0307	P	2.0	-1.0
4	☐	10.000	9.996	154954.06	0.0620	P	2.0	0.0
5	☐	100.000	99.868	1542854.25	0.6189	P	1.1	-0.1
6	☐	200.000	200.068	2972694.96	1.2398	P	0.7	0.0
7	☐	1.000						

y = 0.0062 * x + 4.6827E-005
R = 1.0000
DL = 0.01182 ppb
BEC = 0.007557 ppb

Weight: <None>
Min Conc: <None>

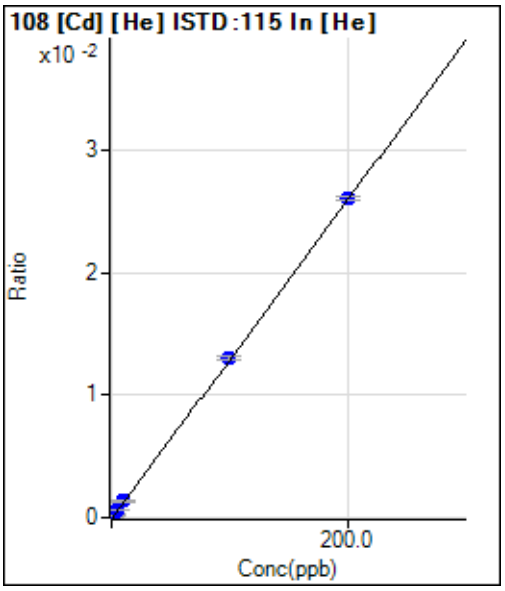


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0000	P	86.6	
2	☐	2.000	1.944	510.02	0.0002	P	10.2	-2.8
3	☐	5.000	4.796	1243.41	0.0005	P	3.2	-4.1
4	☐	10.000	10.655	2716.97	0.0011	P	9.3	6.6
5	☐	100.000	99.745	25312.34	0.0102	P	1.3	-0.3
6	☐	200.000	200.100	48839.09	0.0204	P	2.1	0.1
7	☐	1.000						

y = 1.0177E-004 * x + 2.5966E-006
R = 1.0000
DL = 0.06629 ppb
BEC = 0.02551 ppb

Weight: <None>
Min Conc: <None>

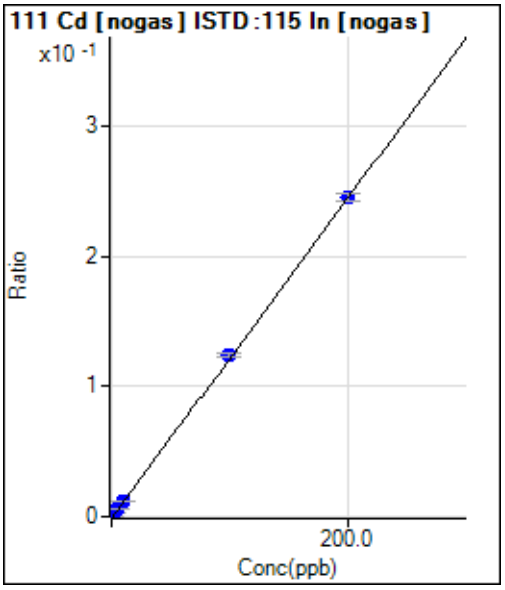
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10.00	0.0000	P	99.9	
2	☐	2.000	1.731	213.34	0.0002	P	18.2	-13.5
3	☐	5.000	4.472	530.02	0.0006	P	6.7	-10.6
4	☐	10.000	10.172	1196.74	0.0013	P	7.6	1.7
5	☐	100.000	100.103	11274.60	0.0131	P	2.1	0.1
6	☐	200.000	199.956	22040.31	0.0261	P	1.3	0.0
7	☐	1.000						

y = 1.3060E-004 * x + 1.1086E-005
R = 1.0000
DL = 0.2543 ppb
BEC = 0.08489 ppb

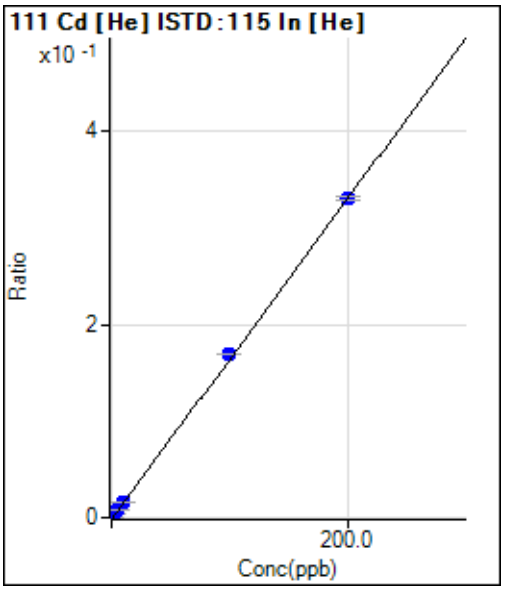
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.18	0.0000	P	253.2	
2	☐	2.000	1.930	6041.02	0.0024	P	5.0	-3.5
3	☐	5.000	4.808	14981.92	0.0059	P	3.1	-3.8
4	☐	10.000	9.649	29648.24	0.0119	P	3.0	-3.5
5	☐	100.000	100.948	309307.76	0.1241	P	2.2	0.9
6	☐	200.000	199.549	588113.26	0.2453	P	2.0	-0.2
7	☐	1.000						

y = 0.0012 * x + 2.4116E-006
R = 1.0000
DL = 0.0149 ppb
BEC = 0.001962 ppb

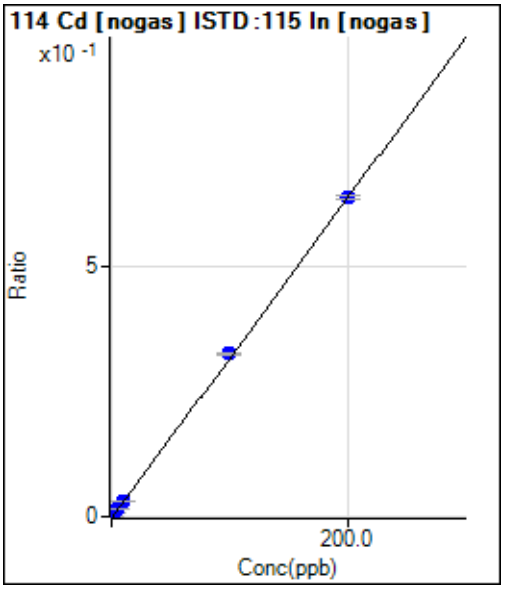
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-10.73	0.0000	P	-99.9	
2	☐	2.000	1.978	2951.50	0.0033	P	8.4	-1.1
3	☐	5.000	4.743	7016.74	0.0079	P	1.7	-5.1
4	☐	10.000	9.489	14091.08	0.0158	P	5.3	-5.1
5	☐	100.000	102.046	146265.83	0.1697	P	0.6	2.0
6	☐	200.000	199.009	279231.58	0.3310	P	1.1	-0.5
7	☐	1.000						

y = 0.0017 * x - 1.1895E-005
R = 0.9999
DL = 0.02142 ppb
BEC = -0.007151 ppb

Weight: <None>
Min Conc: <None>

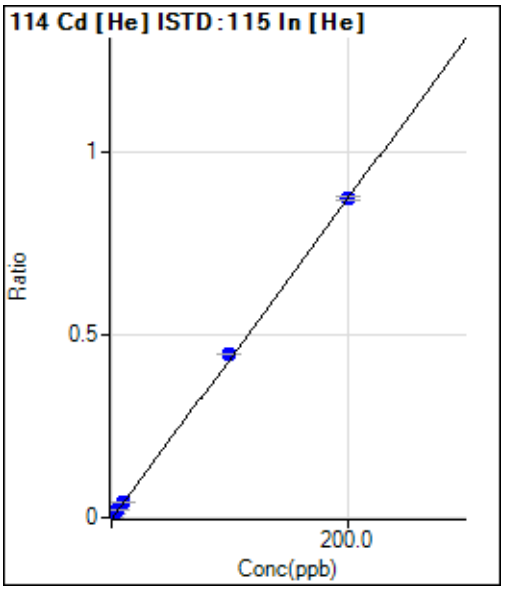


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	96.67	0.0000	P	33.7	
2	☐	2.000	1.848	15198.22	0.0060	P	3.2	-7.6
3	☐	5.000	4.804	39206.64	0.0155	P	0.6	-3.9
4	☐	10.000	9.777	78612.78	0.0314	P	1.1	-2.2
5	☐	100.000	101.501	813121.55	0.3261	P	1.3	1.5
6	☐	200.000	199.267	1535178.99	0.6402	P	0.7	-0.4
7	☐	1.000						

y = 0.0032 * x + 3.7783E-005
R = 1.0000
DL = 0.01189 ppb
BEC = 0.01176 ppb

Weight: <None>
Min Conc: <None>

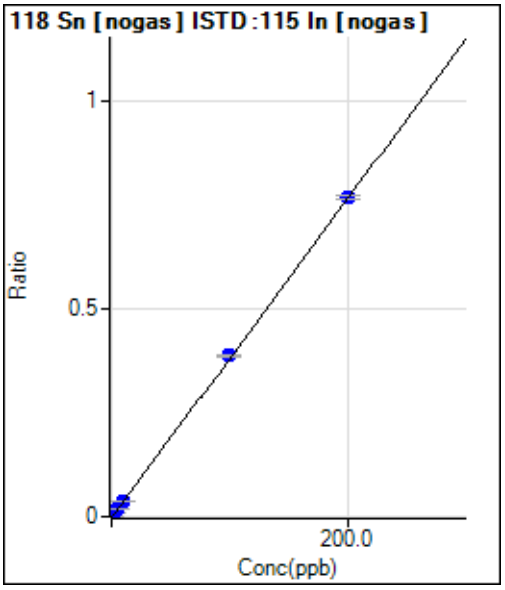
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0000	P	85.4	
2	☐	2.000	1.884	7458.70	0.0083	P	4.5	-5.8
3	☐	5.000	4.794	18715.65	0.0210	P	2.9	-4.1
4	☐	10.000	9.580	37475.59	0.0419	P	0.1	-4.2
5	☐	100.000	101.564	382854.60	0.4443	P	0.2	1.6
6	☐	200.000	199.245	735175.93	0.8715	P	1.0	-0.4
7	☐	1.000						

y = 0.0044 * x + 4.3782E-005
R = 1.0000
DL = 0.02565 ppb
BEC = 0.01001 ppb

Weight: <None>
Min Conc: <None>

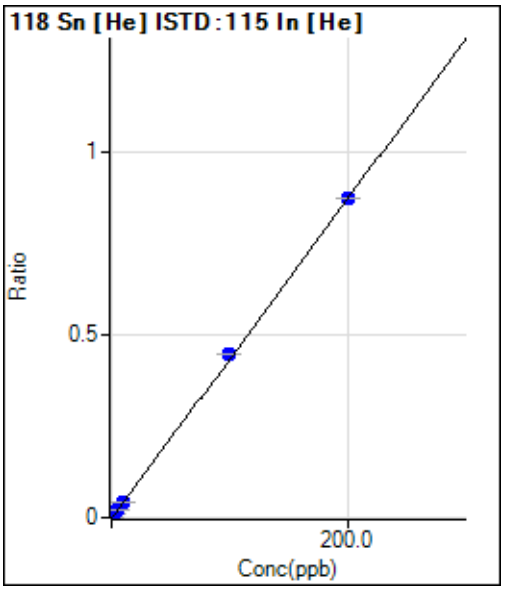


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3240.42	0.0013	P	6.5	
2	☐	2.000	1.811	20912.11	0.0082	P	4.7	-9.5
3	☐	5.000	4.579	47775.92	0.0189	P	3.6	-8.4
4	☐	10.000	9.624	95581.69	0.0382	P	1.6	-3.8
5	☐	100.000	100.551	966162.72	0.3875	P	1.5	0.6
6	☐	200.000	199.756	1843121.17	0.7686	P	1.5	-0.1
7	☐	1.000						

y = 0.0038 * x + 0.0013
R = 1.0000
DL = 0.06438 ppb
BEC = 0.3292 ppb

Weight: <None>
Min Conc: <None>

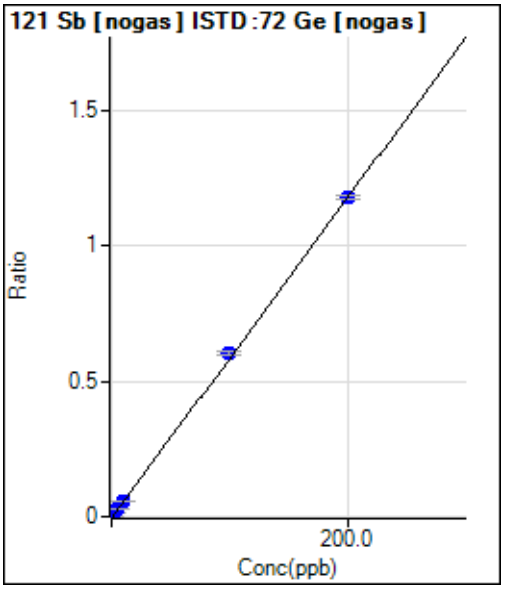
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1493.44	0.0016	P	7.4	
2	☐	2.000	1.686	8109.06	0.0090	P	2.6	-15.7
3	☐	5.000	4.610	19390.02	0.0218	P	3.1	-7.8
4	☐	10.000	9.446	38317.83	0.0429	P	0.7	-5.5
5	☐	100.000	101.670	383955.34	0.4456	P	0.9	1.7
6	☐	200.000	199.206	735121.37	0.8714	P	0.3	-0.4
7	☐	1.000						

y = 0.0044 * x + 0.0016
R = 0.9999
DL = 0.08419 ppb
BEC = 0.3769 ppb

Weight: <None>
Min Conc: <None>

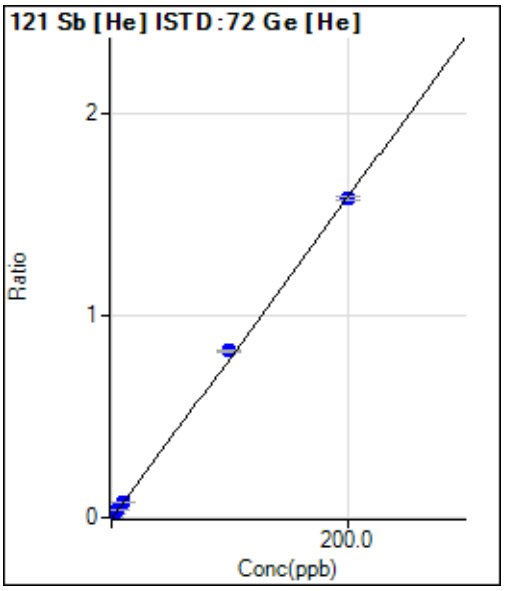


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	793.37	0.0003	P	8.7	
2	☐	2.000	1.876	26708.46	0.0114	P	2.7	-6.2
3	☐	5.000	4.656	64487.71	0.0279	P	1.8	-6.9
4	☐	10.000	9.691	131492.44	0.0576	P	2.3	-3.1
5	☐	100.000	101.810	1380166.80	0.6024	P	1.8	1.8
6	☐	200.000	199.120	2613116.73	1.1778	P	1.1	-0.4
7	☐	1.000						

y = 0.0059 * x + 3.3902E-004
R = 0.9999
DL = 0.01503 ppb
BEC = 0.05733 ppb

Weight: <None>
Min Conc: <None>

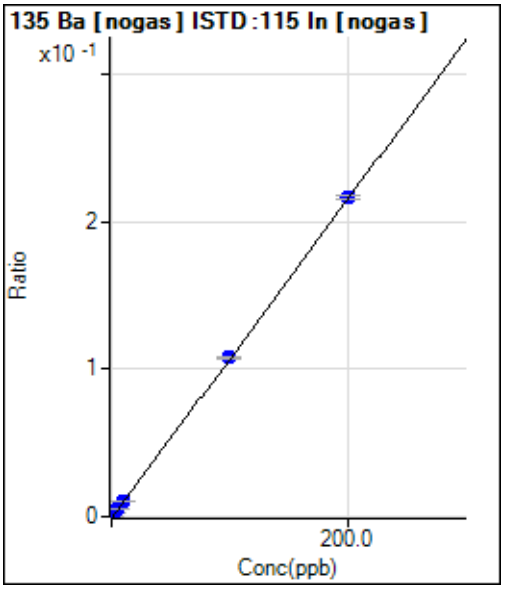
Calibration for 348_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	370.01	0.0006	P	5.3	
2	☐	2.000	1.823	9933.59	0.0151	P	0.9	-8.8
3	☐	5.000	4.709	24824.94	0.0382	P	1.4	-5.8
4	☐	10.000	9.776	51167.62	0.0786	P	2.2	-2.2
5	☐	100.000	103.381	523401.37	0.8259	P	0.2	3.4
6	☐	200.000	198.330	990468.03	1.5839	P	1.2	-0.8
7	☐	1.000						

y = 0.0080 * x + 5.5795E-004
R = 0.9998
DL = 0.01113 ppb
BEC = 0.06989 ppb

Weight: <None>
Min Conc: <None>

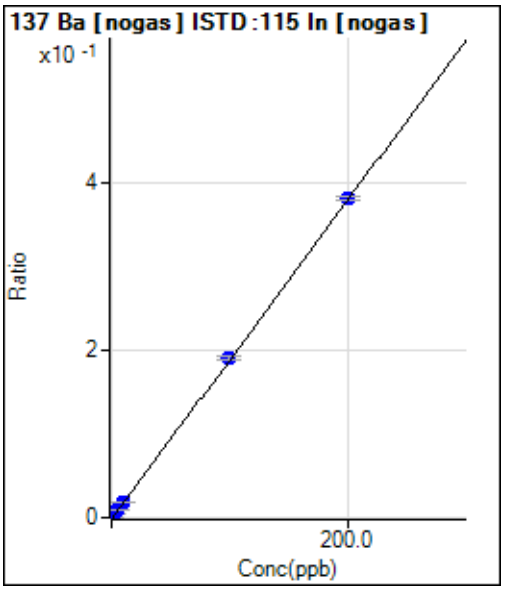


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	113.33	0.0000	P	13.7	
2	☐	2.000	1.929	5431.15	0.0021	P	4.2	-3.6
3	☐	5.000	4.755	13169.64	0.0052	P	2.3	-4.9
4	☐	10.000	9.817	26701.94	0.0107	P	1.7	-1.8
5	☐	100.000	99.616	269215.56	0.1080	P	1.5	-0.4
6	☐	200.000	200.208	520308.98	0.2170	P	1.5	0.1
7	☐	1.000						

y = 0.0011 * x + 4.4246E-005
R = 1.0000
DL = 0.01682 ppb
BEC = 0.04083 ppb

Weight: <None>
Min Conc: <None>

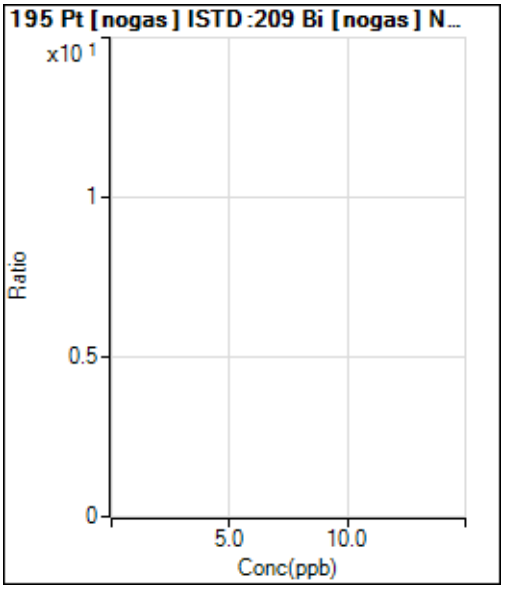
Calibration for 348_ICV.d



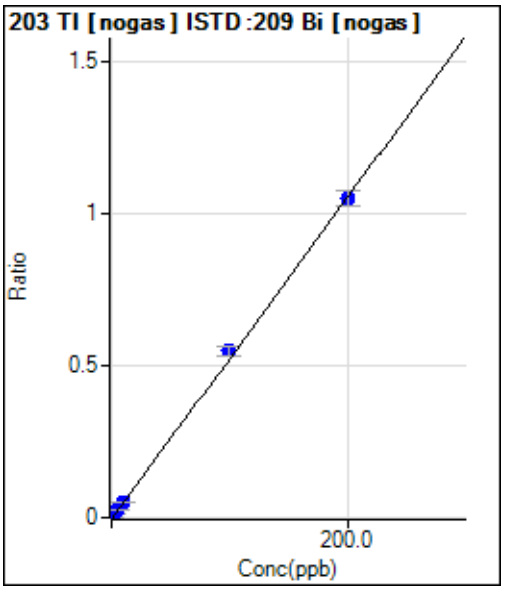
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	206.67	0.0001	P	16.1	
2	☐	2.000	1.850	9159.72	0.0036	P	3.8	-7.5
3	☐	5.000	4.833	23506.32	0.0093	P	1.9	-3.3
4	☐	10.000	9.742	46539.60	0.0186	P	1.5	-2.6
5	☐	100.000	99.850	473898.59	0.1901	P	1.7	-0.2
6	☐	200.000	200.094	913184.83	0.3808	P	1.3	0.0
7	☐	1.000						

y = 0.0019 * x + 8.0722E-005
R = 1.0000
DL = 0.02049 ppb
BEC = 0.04242 ppb

Weight: <None>
Min Conc: <None>



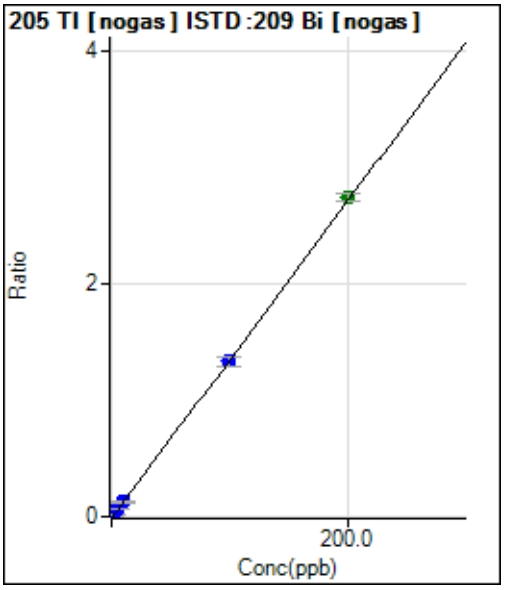
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0000	P	22.2	
2	☐	2.000	1.870	22285.17	0.0099	P	4.1	-6.5
3	☐	5.000	4.713	55593.25	0.0250	P	4.5	-5.7
4	☐	10.000	9.701	113874.57	0.0515	P	4.4	-3.0
5	☐	100.000	103.665	1214383.03	0.5504	P	5.7	3.7
6	☐	200.000	198.191	2265139.29	1.0522	P	4.4	-0.9
7	☐	1.000						

y = 0.0053 * x + 1.8004E-005
R = 0.9998
DL = 0.002262 ppb
BEC = 0.003391 ppb

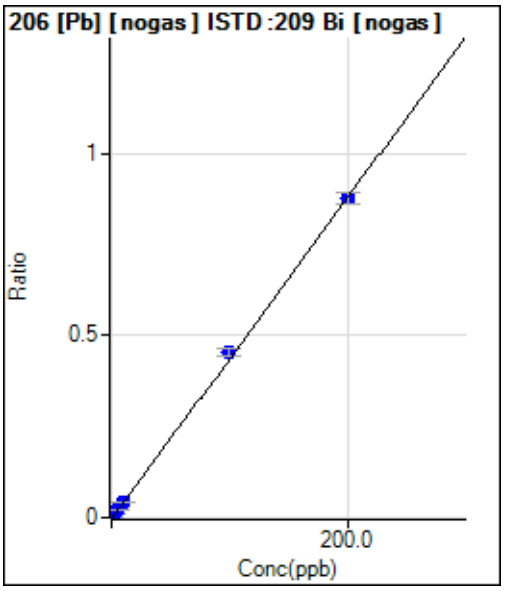
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	186.67	0.0001	P	24.5	
2	☐	2.000	1.758	53806.35	0.0240	P	3.6	-12.1
3	☐	5.000	4.492	135892.41	0.0612	P	4.5	-10.2
4	☐	10.000	9.109	274140.02	0.1240	P	4.5	-8.9
5	☐	100.000	97.606	2930867.35	1.3283	P	5.6	-2.4
6	☐	200.000	201.257	5897276.16	2.7387	A	2.8	0.6
7	☐	1.000						

y = 0.0136 * x + 8.4032E-005
R = 0.9999
DL = 0.004534 ppb
BEC = 0.006175 ppb

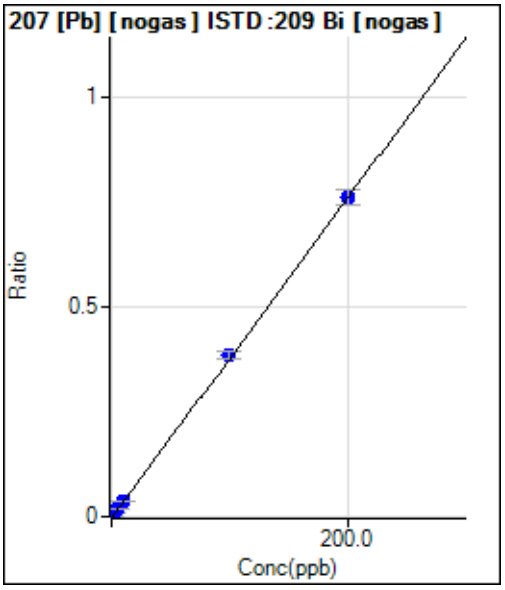
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	200.01	0.0001	P	6.8	
2	☐	2.000	1.910	19137.00	0.0085	P	4.5	-4.5
3	☐	5.000	4.779	47161.72	0.0212	P	2.8	-4.4
4	☐	10.000	9.837	96402.71	0.0436	P	4.0	-1.6
5	☐	100.000	103.192	1007880.56	0.4567	P	4.4	3.2
6	☐	200.000	198.418	1890204.35	0.8780	P	3.9	-0.8
7	☐	1.000						

y = 0.0044 * x + 9.0233E-005
R = 0.9998
DL = 0.004169 ppb
BEC = 0.02039 ppb

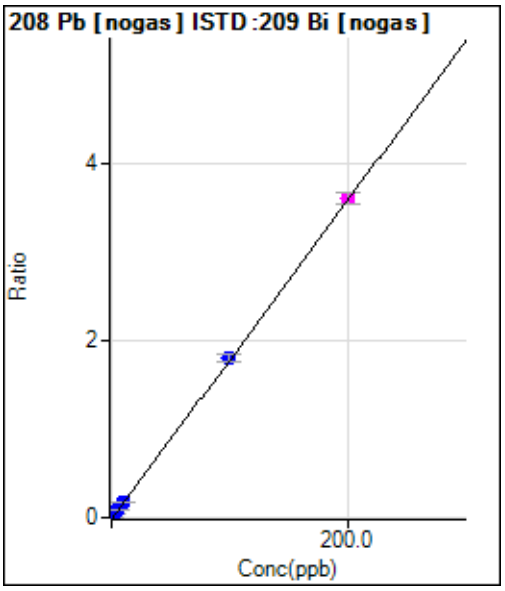
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	146.67	0.0001	P	31.2	
2	☐	2.000	1.914	16526.90	0.0074	P	5.3	-4.3
3	☐	5.000	4.834	41139.06	0.0185	P	4.6	-3.3
4	☐	10.000	9.899	83722.98	0.0379	P	3.0	-1.0
5	☐	100.000	101.213	853115.01	0.3866	P	5.1	1.2
6	☐	200.000	199.404	1639534.35	0.7616	P	4.3	-0.3
7	☐	1.000						

y = 0.0038 * x + 6.6752E-005
R = 1.0000
DL = 0.01637 ppb
BEC = 0.01748 ppb

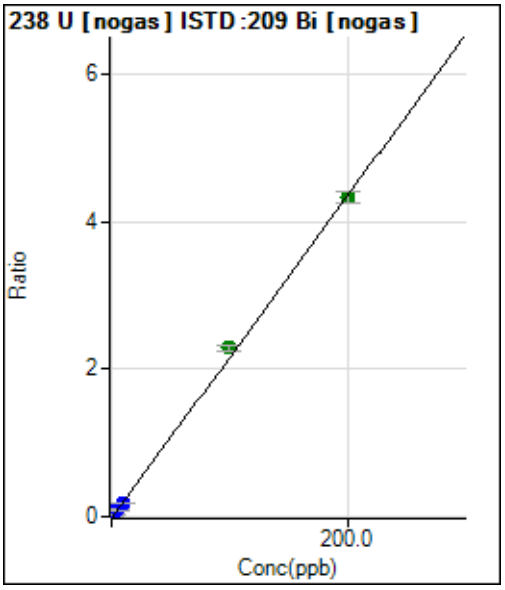
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	736.68	0.0003	P	8.7	
2	☐	2.000	1.861	76054.16	0.0340	P	5.4	-7.0
3	☐	5.000	4.684	188706.16	0.0850	P	3.8	-6.3
4	☐	10.000	9.606	384394.25	0.1739	P	4.1	-3.9
5	☐	100.000	99.704	3976799.71	1.8020	P	4.7	-0.3
6	☐	200.000	200.177	7789320.41	3.6175	M	3.7	0.1
7	☐	1.000						

y = 0.0181 * x + 3.3331E-004
R = 1.0000
DL = 0.004807 ppb
BEC = 0.01845 ppb

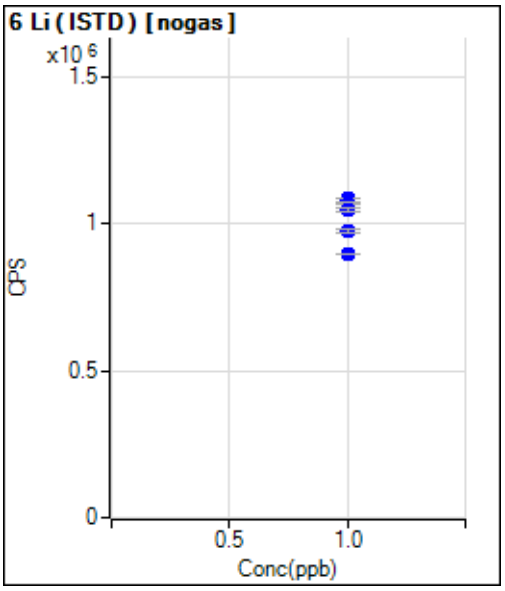
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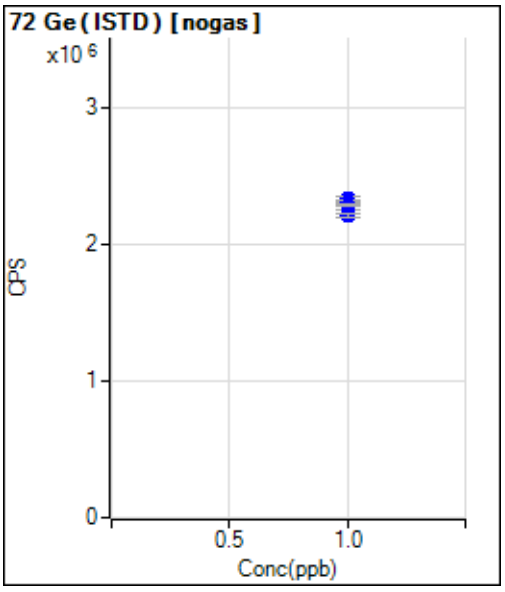
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	343.34	0.0002	P	17.8	
2	☐	2.000	1.650	81243.22	0.0363	P	4.7	-17.5
3	☐	5.000	4.206	204733.81	0.0922	P	3.9	-15.9
4	☐	10.000	8.605	416579.30	0.1884	P	3.6	-14.0
5	☐	100.000	104.500	5048455.65	2.2869	A	3.3	4.5
6	☐	200.000	197.843	9321271.95	4.3294	A	3.8	-1.1
7	☐	1.000						

y = 0.0219 * x + 1.5575E-004
R = 0.9996
DL = 0.003811 ppb
BEC = 0.007118 ppb

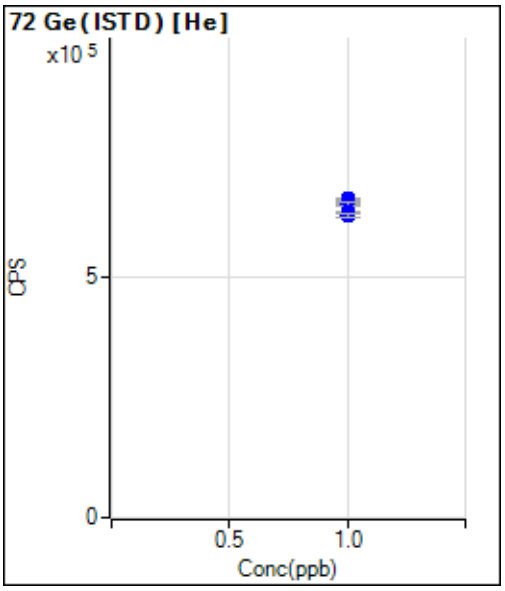
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Min Conc: <None>



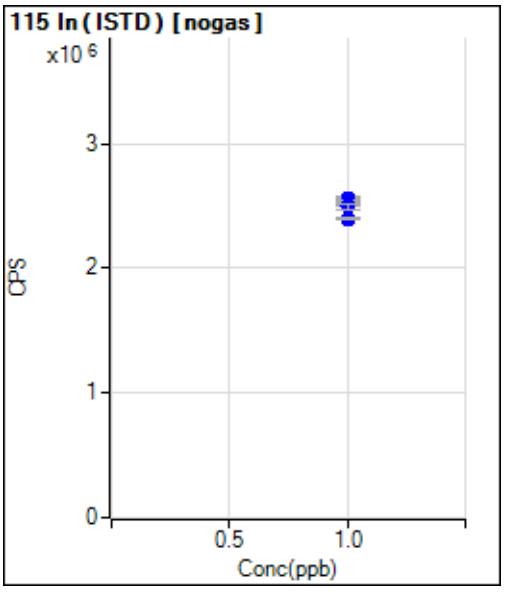
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1085588.74		P	0.5	
2	☐	1.000		1080067.43		P	0.9	
3	☐	1.000		1067748.26		P	0.9	
4	☐	1.000		1047380.73		P	1.2	
5	☐	1.000		974928.51		P	1.4	
6	☐	1.000		897032.31		P	0.3	
7	☐	1.000						



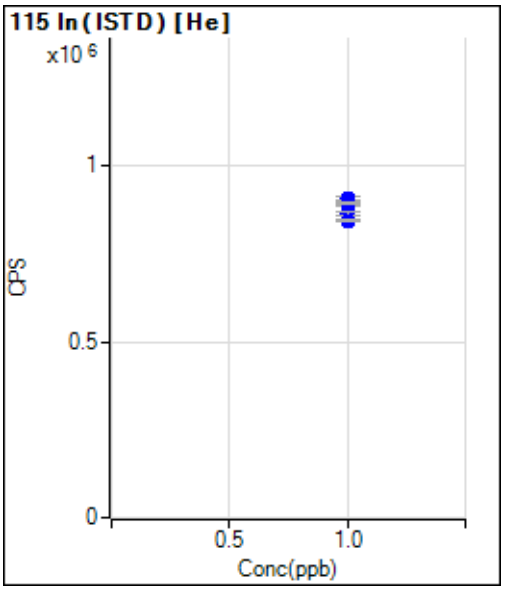
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2341114.44		P	1.0	
2	☐	1.000		2336547.05		P	1.6	
3	☐	1.000		2314208.97		P	1.3	
4	☐	1.000		2281388.98		P	1.6	
5	☐	1.000		2291063.45		P	0.6	
6	☐	1.000		2218518.66		P	1.2	
7	☐	1.000						



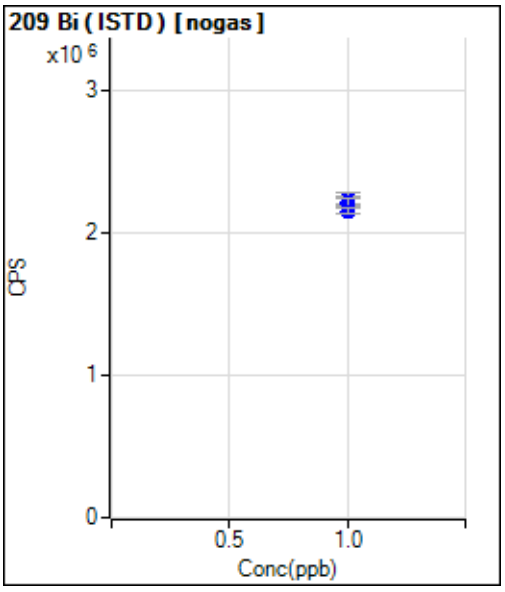
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		663133.64		P	0.4	
2	☐	1.000		657281.68		P	0.2	
3	☐	1.000		650663.19		P	0.5	
4	☐	1.000		651124.56		P	1.7	
5	☐	1.000		633750.43		P	0.2	
6	☐	1.000		625396.97		P	1.3	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2561975.01		P	0.6	
2	☐	1.000		2544219.17		P	1.1	
3	☐	1.000		2534047.04		P	0.4	
4	☐	1.000		2499770.31		P	0.3	
5	☐	1.000		2493145.66		P	1.5	
6	☐	1.000		2397798.51		P	0.7	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		907525.12		P	1.2	
2	☐	1.000		900201.88		P	0.7	
3	☐	1.000		890654.02		P	0.7	
4	☐	1.000		893420.70		P	0.6	
5	☐	1.000		861788.75		P	1.2	
6	☐	1.000		843593.63		P	0.8	
7	☐	1.000						



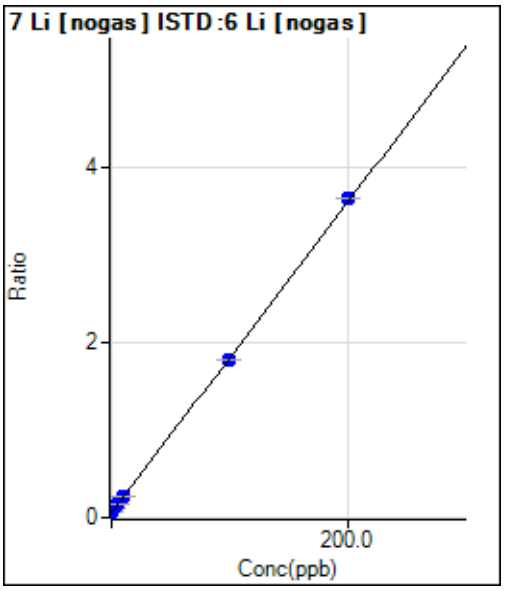
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2213556.68		P	3.6	
2	☐	1.000		2243054.71		P	3.9	
3	☐	1.000		2222329.45		P	3.0	
4	☐	1.000		2212152.88		P	3.0	
5	☐	1.000		2209138.87		P	3.2	
6	☐	1.000		2154192.68		P	2.3	
7	☐	1.000						

Calibration for 292_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070524A.b\
Analysis File: 070524A.batch.bin
DA Date-Time: 7/6/2024 10:31:27 AM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	285CALB.d	CAL BLK	7/5/2024 8:42:07 PM
2	286CALS.d	2/10/200	7/5/2024 8:44:25 PM
3	287CALS.d	5/25/500	7/5/2024 8:46:43 PM
4	288CALS.d	10/50/1000	7/5/2024 8:49:01 PM
5	289CALS.d	100/500/10K	7/5/2024 8:51:19 PM
6	290CALS.d	200/1000/20K	7/5/2024 8:53:37 PM
7			

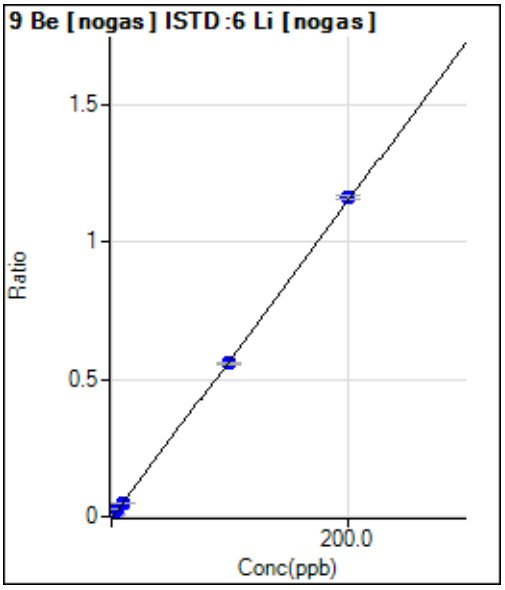
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	56262.53	0.0716	P	0.4	
2	☐	2.000	1.884	81300.25	0.1051	P	2.5	-5.8
3	☐	5.000	4.538	118003.27	0.1522	P	0.4	-9.2
4	☐	10.000	9.233	181524.31	0.2357	P	0.8	-7.7
5	☐	100.000	97.429	1309515.71	1.8035	P	1.1	-2.6
6	☐	200.000	201.337	2491222.72	3.6505	P	0.2	0.7
7	☐	1.000						

y = 0.0178 * x + 0.0716
R = 0.9999
DL = 0.04899 ppb
BEC = 4.027 ppb

Weight: <None>
Min Conc: <None>

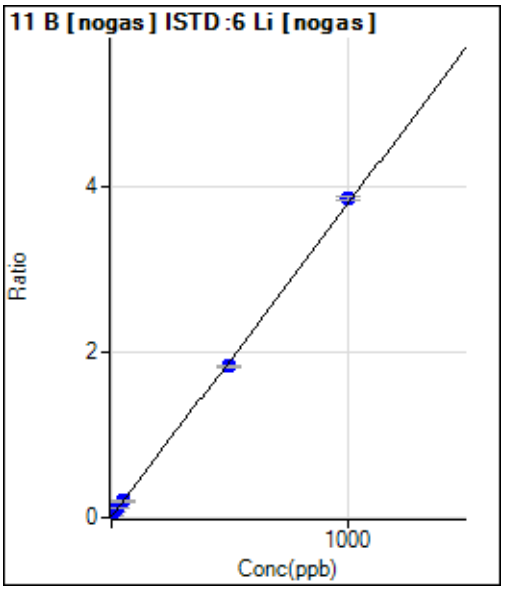


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	51.67	0.0001	P	27.9	
2	☐	2.000	1.721	7726.98	0.0100	P	2.5	-13.9
3	☐	5.000	4.420	19794.31	0.0255	P	1.8	-11.6
4	☐	10.000	8.927	39670.45	0.0515	P	1.9	-10.7
5	☐	100.000	96.956	405797.35	0.5589	P	0.9	-3.0
6	☐	200.000	201.593	792916.37	1.1619	P	0.8	0.8
7	☐	1.000						

y = 0.0058 * x + 6.5728E-005
R = 0.9998
DL = 0.009537 ppb
BEC = 0.0114 ppb

Weight: <None>
Min Conc: <None>

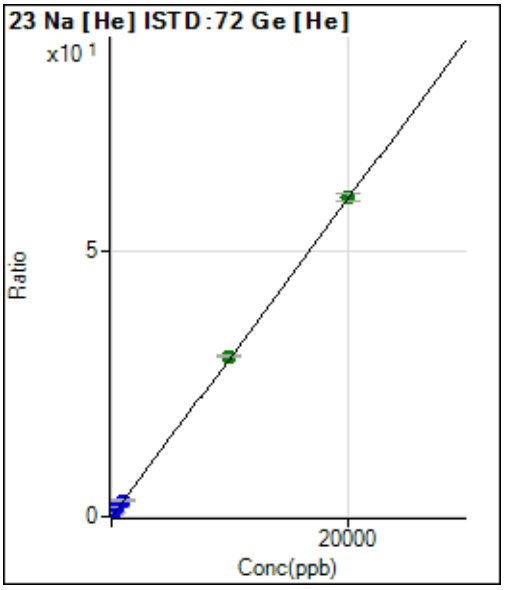
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	24437.62	0.0311	P	1.7	
2	☐	10.000	8.443	48732.78	0.0630	P	2.0	-15.6
3	☐	25.000	21.563	87227.78	0.1125	P	0.3	-13.7
4	☐	50.000	44.204	152517.74	0.1981	P	2.0	-11.6
5	☐	500.000	475.012	1325439.02	1.8252	P	0.2	-5.0
6	☐	1000.000	1012.885	2631999.44	3.8568	P	1.5	1.3
7	☐	5.000						

y = 0.0038 * x + 0.0311
R = 0.9996
DL = 0.4161 ppb
BEC = 8.233 ppb

Weight: <None>
Min Conc: <None>

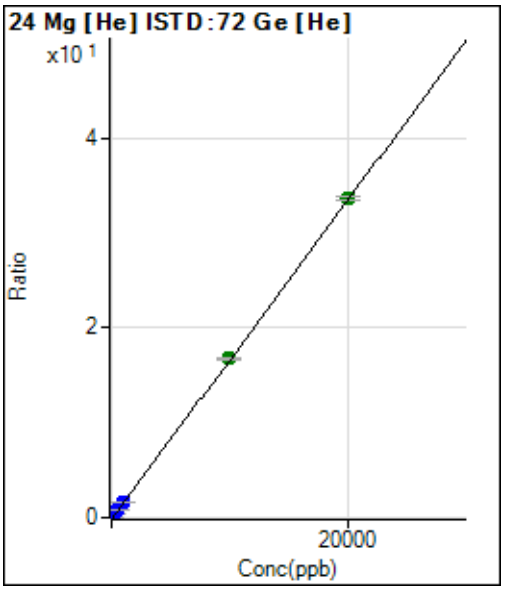


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	113538.44	0.2385	P	1.5	
2	☐	200.000	187.407	389727.08	0.8005	P	0.5	-6.3
3	☐	500.000	470.378	804276.27	1.6492	P	0.2	-5.9
4	☐	1000.000	948.620	1499295.24	3.0834	P	0.9	-5.1
5	☐	10000.00	9976.027	14592448.11	30.1566	A	1.2	-0.2
6	☐	20000.00	20015.42	28701007.07	60.2646	A	2.3	0.1
7	☐	100.000						

y = 0.0030 * x + 0.2385
R = 1.0000
DL = 3.478 ppb
BEC = 79.53 ppb

Weight: <None>
Min Conc: <None>

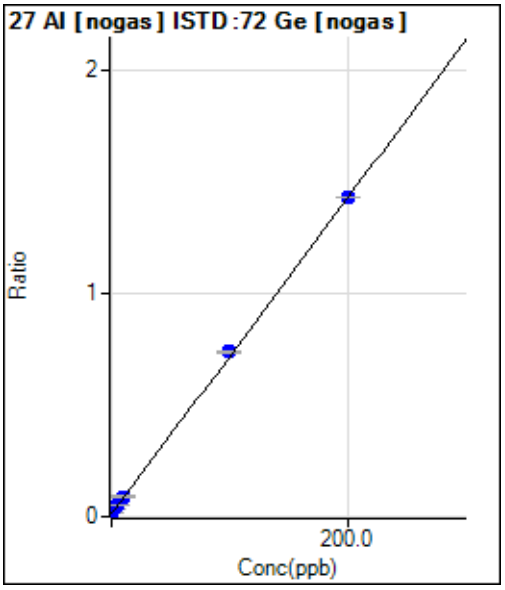
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1333.42	0.0028	P	6.1	
2	☐	200.000	186.433	153813.42	0.3160	P	0.7	-6.8
3	☐	500.000	473.713	389410.15	0.7985	P	0.7	-5.3
4	☐	1000.000	939.518	768711.16	1.5809	P	1.3	-6.0
5	☐	10000.00	9971.160	8106131.75	16.7516	A	0.8	-0.3
6	☐	20000.00	20018.23	16015732.26	33.6278	A	1.4	0.1
7	☐	100.000						

y = 0.0017 * x + 0.0028
R = 1.0000
DL = 0.3063 ppb
BEC = 1.668 ppb

Weight: <None>
Min Conc: <None>

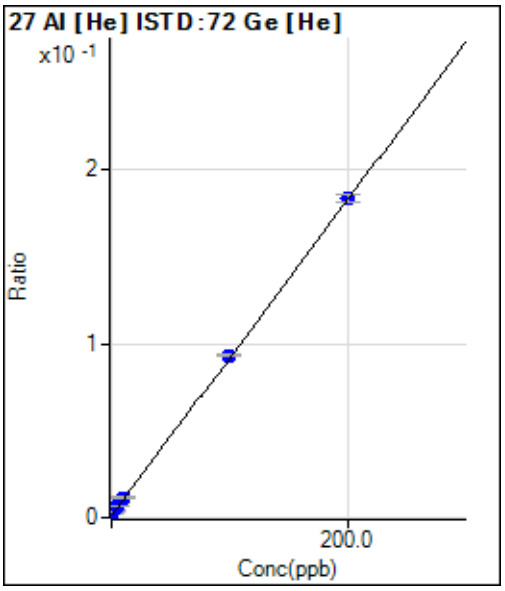


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	32320.98	0.0191	P	0.9	
2	☐	2.000	1.637	52131.76	0.0307	P	2.8	-18.1
3	☐	5.000	4.913	90692.98	0.0539	P	1.7	-1.7
4	☐	10.000	10.001	152455.72	0.0900	P	1.4	0.0
5	☐	100.000	101.384	1244399.59	0.7374	P	1.2	1.4
6	☐	200.000	199.314	2409119.60	1.4313	P	0.1	-0.3
7	☐	1.000						

y = 0.0071 * x + 0.0191
R = 1.0000
DL = 0.07503 ppb
BEC = 2.7 ppb

Weight: <None>
Min Conc: <None>

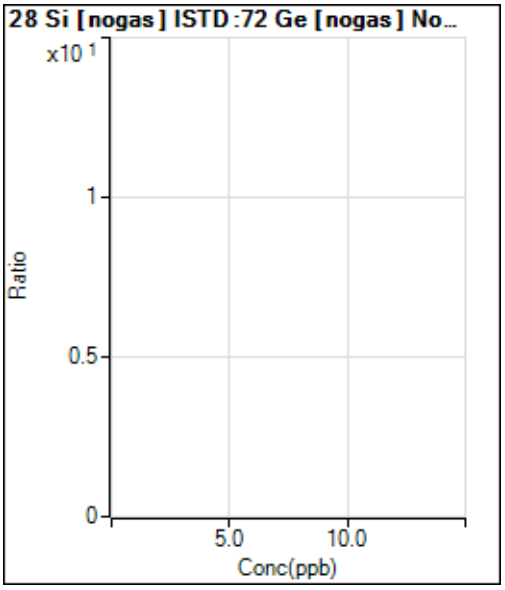
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1066.72	0.0022	P	7.1	
2	☐	2.000	1.836	1903.49	0.0039	P	15.5	-8.2
3	☐	5.000	5.001	3310.42	0.0068	P	7.0	0.0
4	☐	10.000	9.992	5507.73	0.0113	P	5.6	-0.1
5	☐	100.000	100.445	45290.25	0.0936	P	0.7	0.4
6	☐	200.000	199.779	87595.13	0.1839	P	2.4	-0.1
7	☐	1.000						

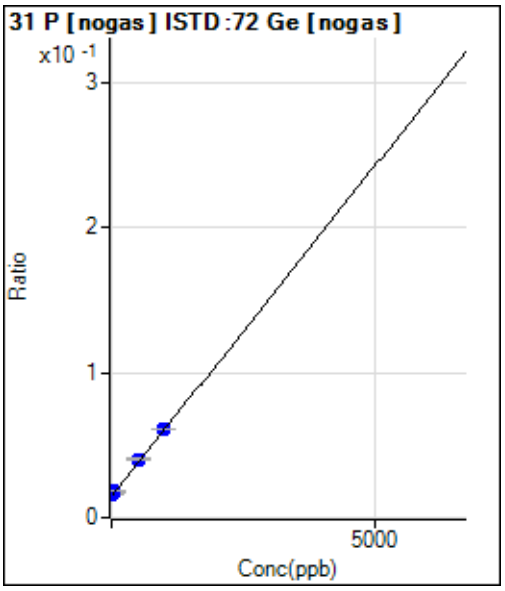
y = 9.0944E-004 * x + 0.0022
R = 1.0000
DL = 0.5216 ppb
BEC = 2.465 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

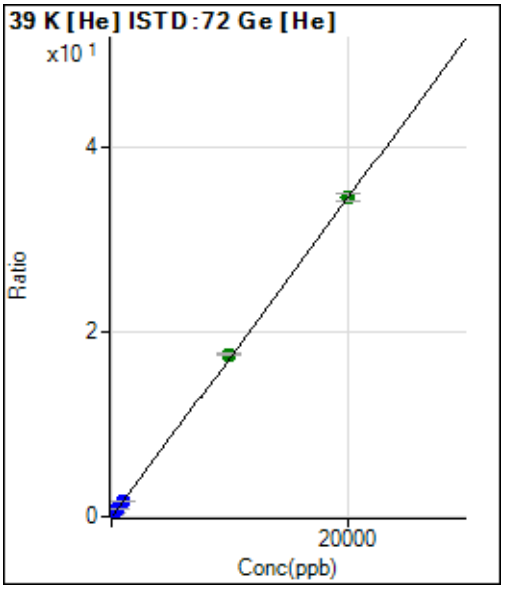
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	26997.36	0.0160	P	3.1	
2	☐	10.000	15.086	28269.90	0.0167	P	3.0	50.9
3	☐	25.000	34.394	29512.07	0.0176	P	2.7	37.6
4	☐	50.000	67.559	32307.62	0.0191	P	1.1	35.1
5	☐	500.000	528.243	67749.35	0.0401	P	2.4	5.6
6	☐	1000.000	984.715	102728.49	0.0610	P	0.6	-1.5
7	☐	5.000						

y = 4.5757E-005 * x + 0.0160
R = 0.9994
DL = 32.04 ppb
BEC = 349.2 ppb

Weight: <None>
Min Conc: <None>

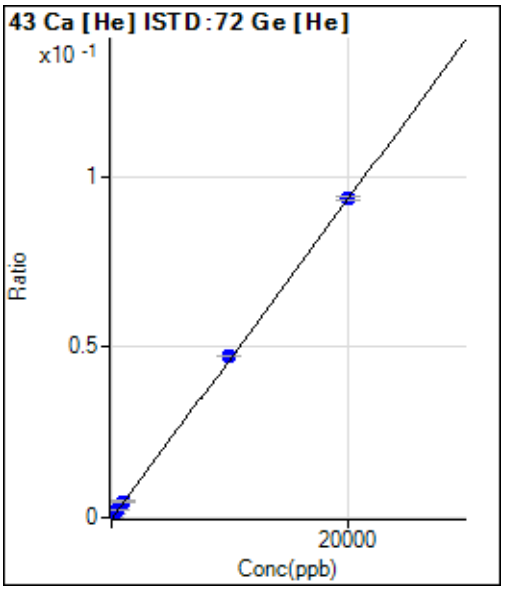


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	58103.85	0.1221	P	1.8	
2	☐	200.000	181.080	211625.00	0.4347	P	0.4	-9.5
3	☐	500.000	461.033	447735.54	0.9181	P	0.4	-7.8
4	☐	1000.000	923.708	834824.75	1.7169	P	1.4	-7.6
5	☐	10000.00	10112.66	8509764.87	17.5826	A	1.7	1.1
6	☐	20000.00	19948.64	16461930.59	34.5655	A	1.9	-0.3
7	☐	100.000						

y = 0.0017 * x + 0.1221
R = 1.0000
DL = 3.876 ppb
BEC = 70.69 ppb

Weight: <None>
Min Conc: <None>

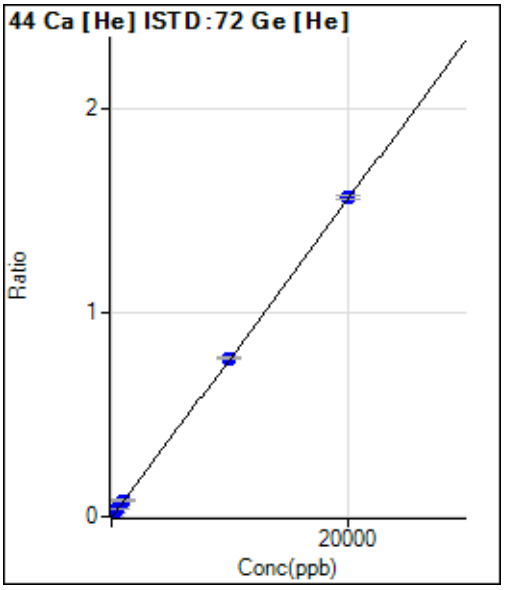
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	33.33	0.0001	P	17.3	
2	☐	200.000	214.315	523.35	0.0011	P	10.2	7.2
3	☐	500.000	498.290	1173.40	0.0024	P	2.3	-0.3
4	☐	1000.000	1001.447	2316.88	0.0048	P	5.3	0.1
5	☐	10000.00	10077.48	22897.55	0.0473	P	0.3	0.8
6	☐	20000.00	19961.08	44605.57	0.0937	P	0.8	-0.2
7	☐	100.000						

y = 4.6883E-006 * x + 7.0017E-005
R = 1.0000
DL = 7.736 ppb
BEC = 14.93 ppb

Weight: <None>
Min Conc: <None>

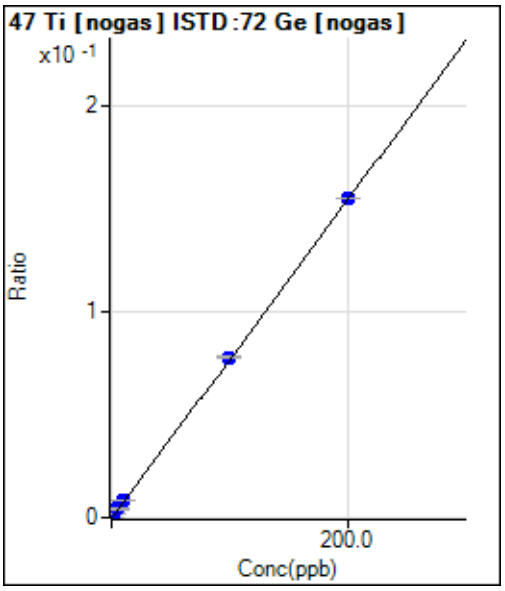


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	730.03	0.0015	P	9.3	
2	☐	200.000	190.600	8008.93	0.0165	P	1.5	-4.7
3	☐	500.000	491.737	19516.18	0.0400	P	1.5	-1.7
4	☐	1000.000	1005.281	39000.51	0.0802	P	2.3	0.5
5	☐	10000.00	9930.917	376857.27	0.7788	P	0.8	-0.7
6	☐	20000.00	20034.57	747541.21	1.5695	P	0.7	0.2
7	☐	100.000						

y = 7.8265E-005 * x + 0.0015
R = 1.0000
DL = 5.485 ppb
BEC = 19.6 ppb

Weight: <None>
Min Conc: <None>

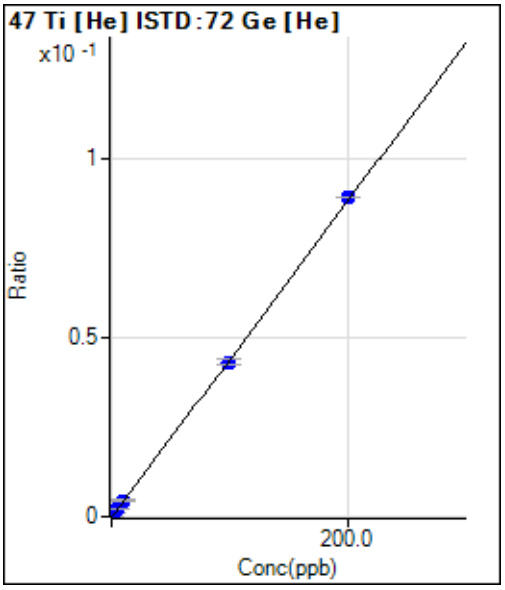
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	533.36	0.0003	P	14.0	
2	☐	2.000	1.951	3093.72	0.0018	P	2.5	-2.5
3	☐	5.000	5.033	7071.77	0.0042	P	2.0	0.7
4	☐	10.000	10.081	13736.45	0.0081	P	3.1	0.8
5	☐	100.000	100.155	131173.68	0.0777	P	1.4	0.2
6	☐	200.000	199.918	260654.93	0.1549	P	0.4	0.0
7	☐	1.000						

y = 7.7300E-004 * x + 3.1555E-004
R = 1.0000
DL = 0.1715 ppb
BEC = 0.4082 ppb

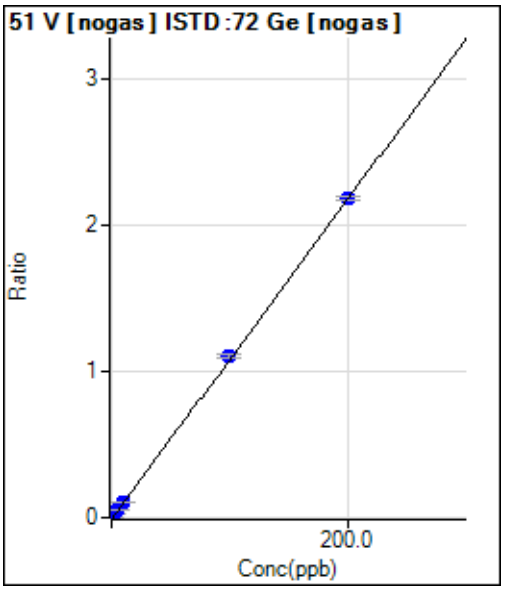
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83.33	0.0002	P	29.5	
2	☐	2.000	2.135	543.35	0.0011	P	31.7	6.7
3	☐	5.000	4.747	1106.73	0.0023	P	6.1	-5.1
4	☐	10.000	9.411	2103.52	0.0043	P	12.4	-5.9
5	☐	100.000	97.410	20888.03	0.0432	P	2.6	-2.6
6	☐	200.000	201.329	42396.31	0.0890	P	0.5	0.7
7	☐	1.000						

y = 4.4125E-004 * x + 1.7486E-004
R = 0.9999
DL = 0.351 ppb
BEC = 0.3963 ppb

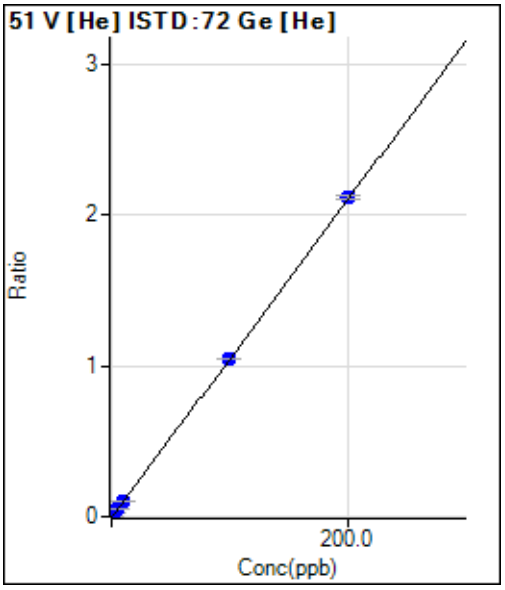
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	101.31	0.0001	P	2146.	
2	☐	2.000	2.059	38355.65	0.0226	P	8.4	2.9
3	☐	5.000	5.101	94017.13	0.0559	P	3.5	2.0
4	☐	10.000	10.031	186220.02	0.1099	P	0.8	0.3
5	☐	100.000	100.960	1865608.07	1.1056	P	1.2	1.0
6	☐	200.000	199.515	3676969.15	2.1847	P	1.1	-0.2
7	☐	1.000						

y = 0.0109 * x + 6.0932E-005
R = 1.0000
DL = 0.3583 ppb
BEC = 0.005565 ppb

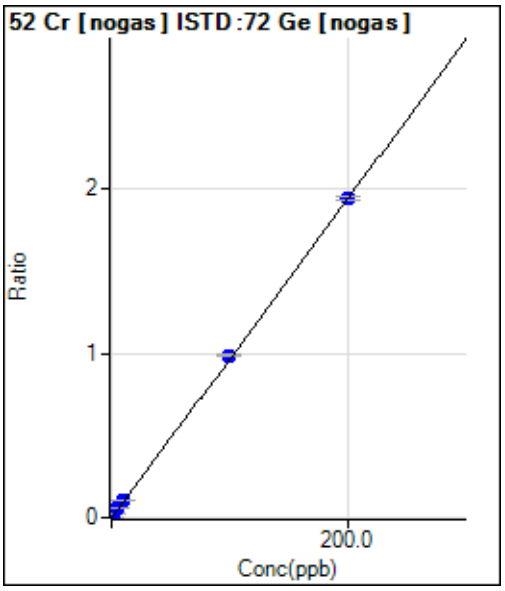
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1708.28	0.0036	P	12.9	
2	☐	2.000	1.907	11529.06	0.0237	P	2.1	-4.7
3	☐	5.000	4.844	26639.74	0.0546	P	5.4	-3.1
4	☐	10.000	9.746	51694.32	0.1063	P	0.0	-2.5
5	☐	100.000	98.957	506426.82	1.0466	P	0.9	-1.0
6	☐	200.000	200.539	1008414.13	2.1172	P	0.8	0.3
7	☐	1.000						

y = 0.0105 * x + 0.0036
R = 1.0000
DL = 0.132 ppb
BEC = 0.3402 ppb

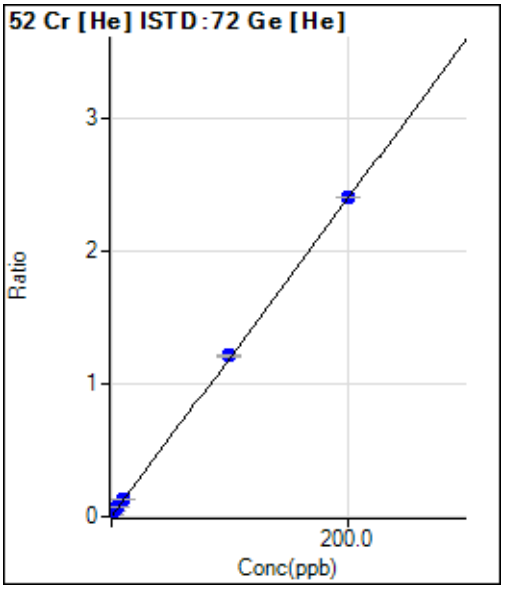
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9052.87	0.0054	P	2.1	
2	☐	2.000	2.000	42048.69	0.0248	P	1.6	0.0
3	☐	5.000	5.077	91959.16	0.0547	P	1.0	1.5
4	☐	10.000	10.054	174605.28	0.1030	P	0.8	0.5
5	☐	100.000	101.186	1668106.02	0.9885	P	1.6	1.2
6	☐	200.000	199.402	3269643.18	1.9428	P	1.6	-0.3
7	☐	1.000						

y = 0.0097 * x + 0.0054
R = 1.0000
DL = 0.03435 ppb
BEC = 0.5513 ppb

Weight: <None>
Min Conc: <None>

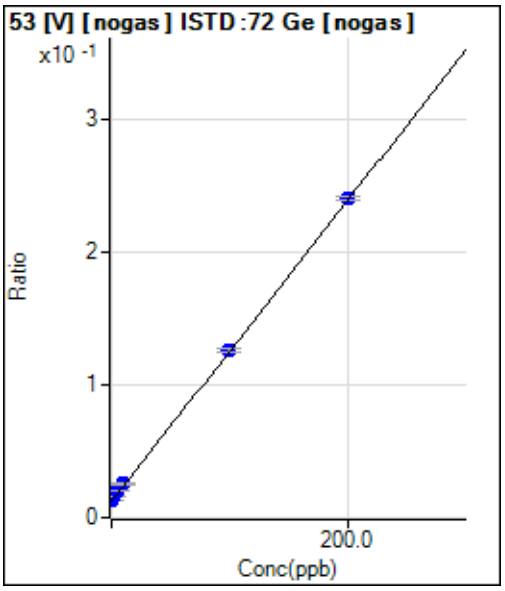


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6828.31	0.0143	P	1.5	
2	☐	2.000	1.882	17937.60	0.0368	P	0.5	-5.9
3	☐	5.000	5.013	36216.94	0.0743	P	1.7	0.3
4	☐	10.000	10.035	65301.02	0.1343	P	0.9	0.3
5	☐	100.000	100.307	587163.82	1.2134	P	0.8	0.3
6	☐	200.000	199.846	1144670.61	2.4033	P	0.5	-0.1
7	☐	1.000						

y = 0.0120 * x + 0.0143
R = 1.0000
DL = 0.05305 ppb
BEC = 1.2 ppb

Weight: <None>
Min Conc: <None>

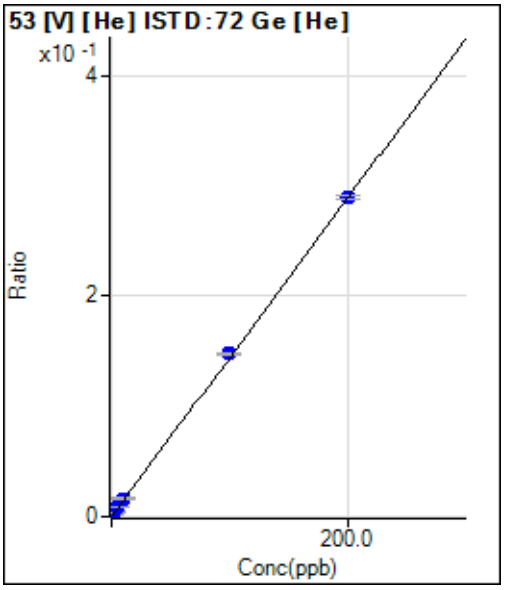
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	22627.28	0.0134	P	1.5	
2	☐	2.000	2.183	26901.02	0.0159	P	2.4	9.1
3	☐	5.000	5.550	33076.52	0.0197	P	0.3	11.0
4	☐	10.000	10.601	43011.52	0.0254	P	2.5	6.0
5	☐	100.000	99.379	212404.83	0.1259	P	1.4	-0.6
6	☐	200.000	200.265	404045.50	0.2401	P	0.9	0.1
7	☐	1.000						

y = 0.0011 * x + 0.0134
R = 1.0000
DL = 0.532 ppb
BEC = 11.83 ppb

Weight: <None>
Min Conc: <None>

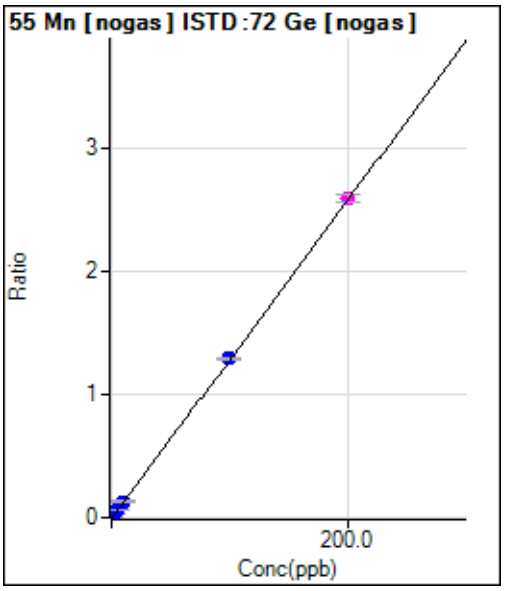


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	726.70	0.0015	P	9.7	
2	☐	2.000	1.953	2116.85	0.0043	P	3.7	-2.3
3	☐	5.000	4.924	4214.02	0.0086	P	8.4	-1.5
4	☐	10.000	10.288	7965.58	0.0164	P	2.4	2.9
5	☐	100.000	101.175	71442.08	0.1476	P	0.7	1.2
6	☐	200.000	199.401	137871.43	0.2895	P	0.7	-0.3
7	☐	1.000						

y = 0.0014 * x + 0.0015
R = 1.0000
DL = 0.3081 ppb
BEC = 1.058 ppb

Weight: <None>
Min Conc: <None>

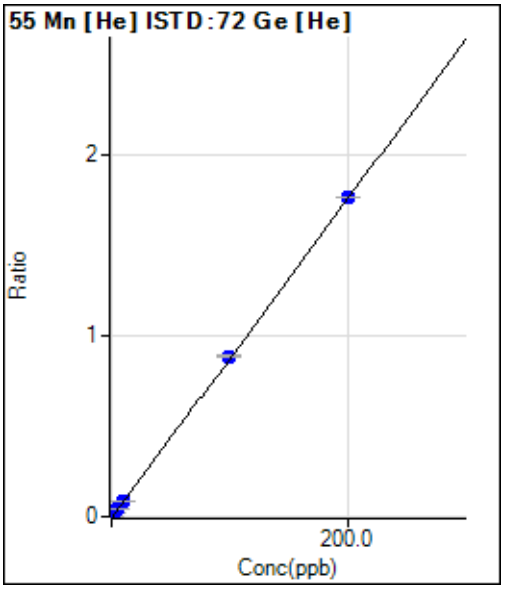
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7101.76	0.0042	P	2.9	
2	☐	2.000	1.969	50327.50	0.0297	P	1.0	-1.5
3	☐	5.000	5.007	115926.15	0.0689	P	0.9	0.1
4	☐	10.000	9.905	224172.31	0.1323	P	0.9	-0.9
5	☐	100.000	99.677	2182146.11	1.2931	P	0.9	-0.3
6	☐	200.000	200.166	4362508.37	2.5926	M	3.0	0.1
7	☐	1.000						

y = 0.0129 * x + 0.0042
R = 1.0000
DL = 0.02802 ppb
BEC = 0.325 ppb

Weight: <None>
Min Conc: <None>

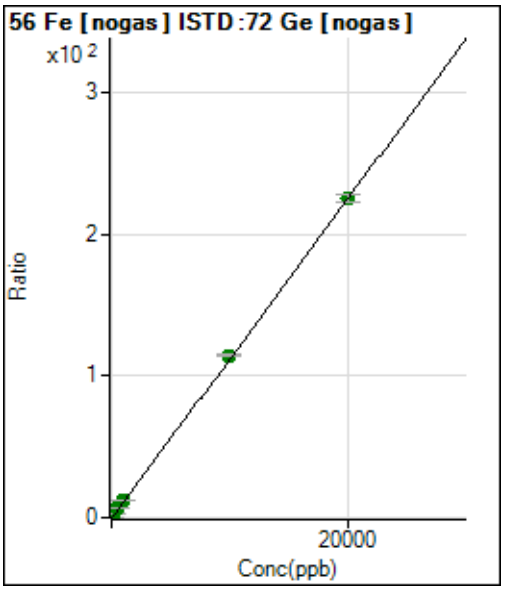


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	566.69	0.0012	P	14.0	
2	☐	2.000	2.016	9229.64	0.0190	P	2.9	0.8
3	☐	5.000	5.090	22450.35	0.0460	P	3.1	1.8
4	☐	10.000	10.025	43529.70	0.0895	P	1.0	0.2
5	☐	100.000	100.181	427687.83	0.8839	P	1.3	0.2
6	☐	200.000	199.906	839457.49	1.7625	P	0.6	0.0
7	☐	1.000						

y = 0.0088 * x + 0.0012
R = 1.0000
DL = 0.05695 ppb
BEC = 0.1352 ppb

Weight: <None>
Min Conc: <None>

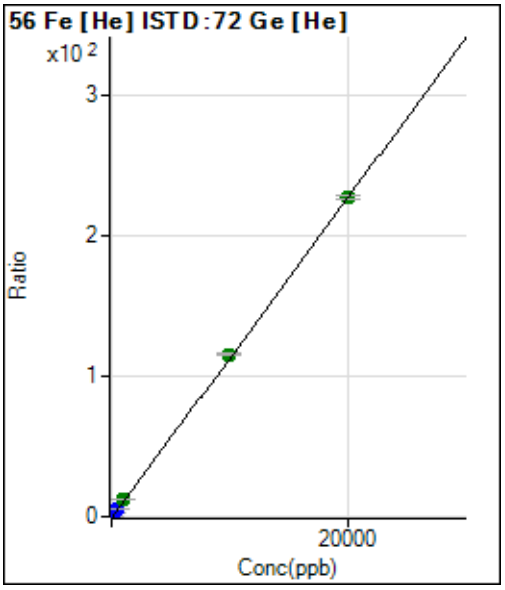
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	792588.09	0.4690	P	1.0	
2	☐	200.000	211.696	4851469.20	2.8601	A	0.8	5.8
3	☐	500.000	529.530	10845718.59	6.4501	A	0.7	5.9
4	☐	1000.000	1039.428	20688876.36	12.2095	A	0.5	3.9
5	☐	10000.00	10124.71	193766163.7	114.829	A	0.9	1.2
6	☐	20000.00	19934.81	379712287.6	225.635	A	2.1	-0.3
7	☐	100.000						

y = 0.0113 * x + 0.4690
R = 1.0000
DL = 1.244 ppb
BEC = 41.52 ppb

Weight: <None>
Min Conc: <None>

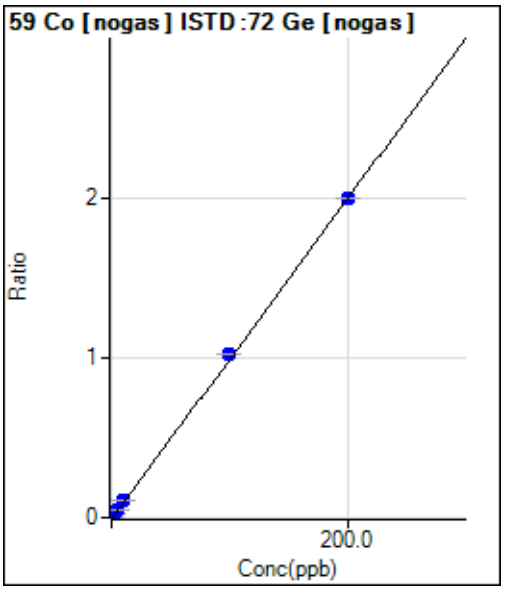


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16566.05	0.0348	P	4.8	
2	☐	200.000	184.209	1038313.84	2.1328	P	0.6	-7.9
3	☐	500.000	463.681	2592283.35	5.3157	P	1.5	-7.3
4	☐	1000.000	1023.846	5686745.75	11.6955	A	1.2	2.4
5	☐	10000.00	10133.90	55867347.50	115.450	A	0.8	1.3
6	☐	20000.00	19932.92	108145221.7	227.052	A	1.2	-0.3
7	☐	100.000						

y = 0.0114 * x + 0.0348
R = 1.0000
DL = 0.4424 ppb
BEC = 3.056 ppb

Weight: <None>
Min Conc: <None>

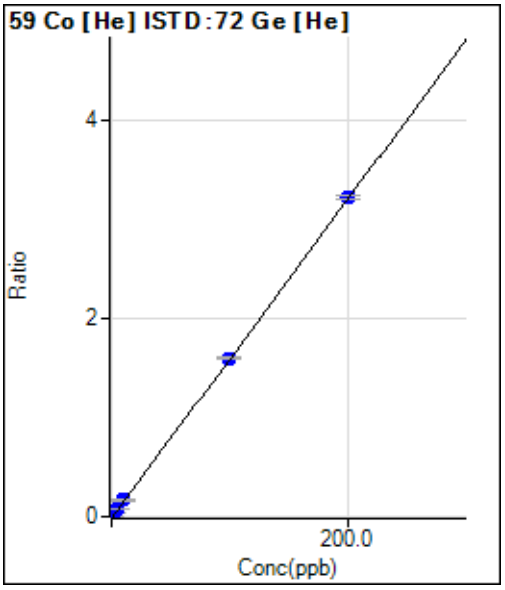
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	183.34	0.0001	P	6.5	
2	☐	2.000	2.045	34967.67	0.0206	P	1.4	2.2
3	☐	5.000	5.082	85893.89	0.0511	P	0.4	1.6
4	☐	10.000	10.294	175147.06	0.1034	P	0.2	2.9
5	☐	100.000	101.762	1722555.81	1.0208	P	0.2	1.8
6	☐	200.000	199.102	3361472.86	1.9971	P	0.2	-0.4
7	☐	1.000						

y = 0.0100 * x + 1.0850E-004
R = 0.9999
DL = 0.002094 ppb
BEC = 0.01082 ppb

Weight: <None>
Min Conc: <None>

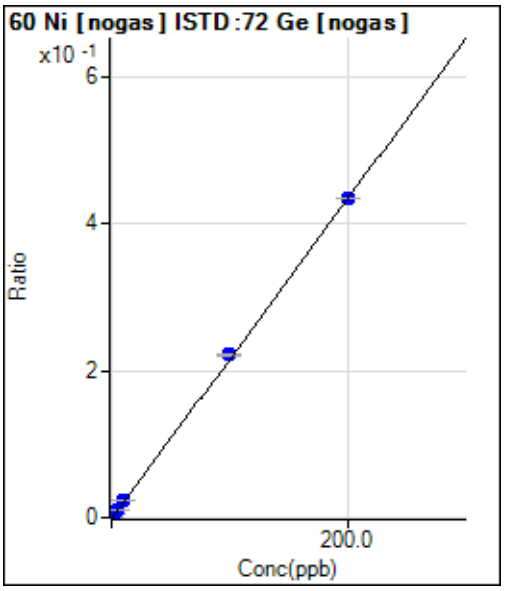


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	26.67	0.0001	P	77.2	
2	☐	2.000	2.030	15901.91	0.0327	P	2.4	1.5
3	☐	5.000	5.054	39619.14	0.0812	P	2.8	1.1
4	☐	10.000	10.258	80143.08	0.1648	P	2.8	2.6
5	☐	100.000	99.485	773328.63	1.5981	P	1.1	-0.5
6	☐	200.000	200.243	1532038.00	3.2166	P	0.8	0.1
7	☐	1.000						

y = 0.0161 * x + 5.5819E-005
R = 1.0000
DL = 0.008048 ppb
BEC = 0.003475 ppb

Weight: <None>
Min Conc: <None>

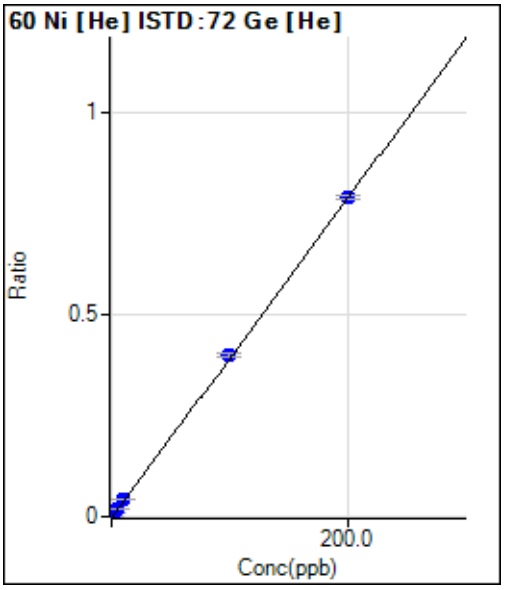
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	560.02	0.0003	P	11.1	
2	☐	2.000	2.070	8209.07	0.0048	P	1.2	3.5
3	☐	5.000	5.157	19442.82	0.0116	P	1.0	3.1
4	☐	10.000	10.303	38579.92	0.0228	P	2.1	3.0
5	☐	100.000	101.612	374001.83	0.2216	P	1.0	1.6
6	☐	200.000	199.174	730643.63	0.4341	P	0.5	-0.4
7	☐	1.000						

y = 0.0022 * x + 3.3147E-004
R = 1.0000
DL = 0.05071 ppb
BEC = 0.1522 ppb

Weight: <None>
Min Conc: <None>

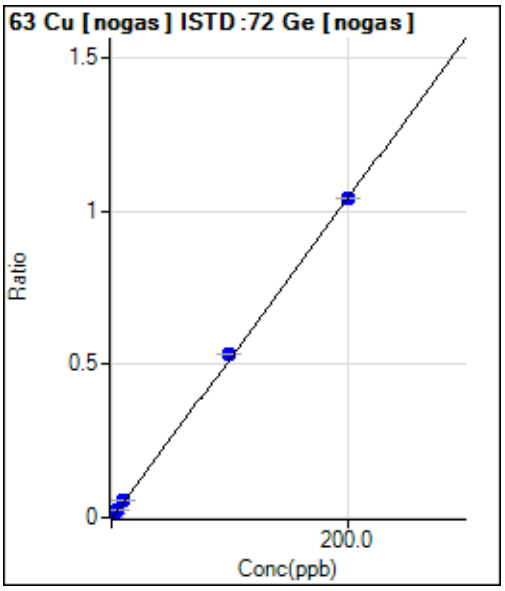


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	250.01	0.0005	P	42.9	
2	☐	2.000	2.022	4153.98	0.0085	P	2.8	1.1
3	☐	5.000	5.006	9923.40	0.0203	P	5.8	0.1
4	☐	10.000	10.378	20237.24	0.0416	P	1.7	3.8
5	☐	100.000	100.971	193705.13	0.4003	P	1.6	1.0
6	☐	200.000	199.495	376461.73	0.7904	P	0.7	-0.3
7	☐	1.000						

y = 0.0040 * x + 5.2613E-004
R = 1.0000
DL = 0.1712 ppb
BEC = 0.1329 ppb

Weight: <None>
Min Conc: <None>

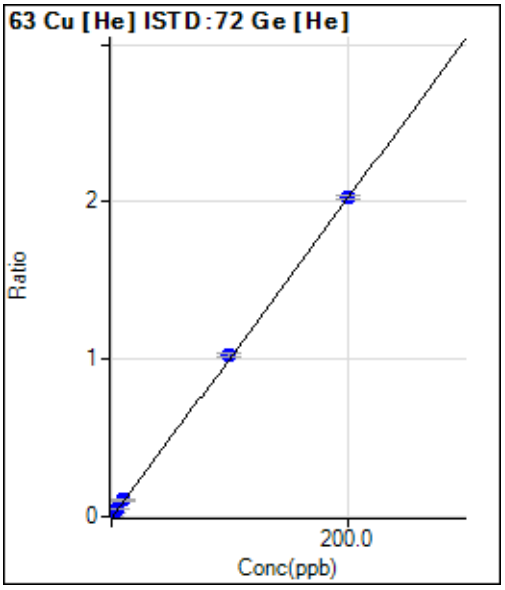
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1260.08	0.0007	P	6.0	
2	☐	2.000	1.999	19008.92	0.0112	P	3.5	-0.1
3	☐	5.000	5.073	45897.12	0.0273	P	3.4	1.5
4	☐	10.000	10.237	92051.08	0.0543	P	0.6	2.4
5	☐	100.000	101.965	901846.03	0.5344	P	0.4	2.0
6	☐	200.000	199.004	1754396.90	1.0423	P	0.2	-0.5
7	☐	1.000						

y = 0.0052 * x + 7.4578E-004
R = 0.9999
DL = 0.02571 ppb
BEC = 0.1425 ppb

Weight: <None>
Min Conc: <None>

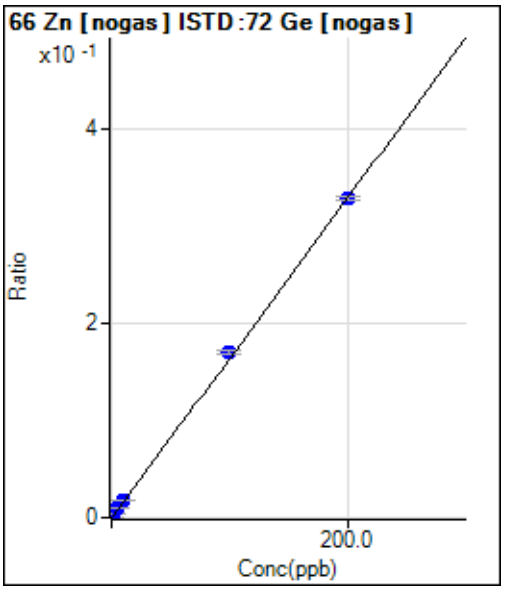


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	463.35	0.0010	P	6.4	
2	☐	2.000	2.028	10510.50	0.0216	P	4.5	1.4
3	☐	5.000	5.064	25578.72	0.0525	P	2.6	1.3
4	☐	10.000	10.266	51214.33	0.1053	P	3.4	2.7
5	☐	100.000	100.792	496290.19	1.0257	P	1.5	0.8
6	☐	200.000	199.589	966853.53	2.0301	P	1.2	-0.2
7	☐	1.000						

y = 0.0102 * x + 9.7338E-004
R = 1.0000
DL = 0.01835 ppb
BEC = 0.09575 ppb

Weight: <None>
Min Conc: <None>

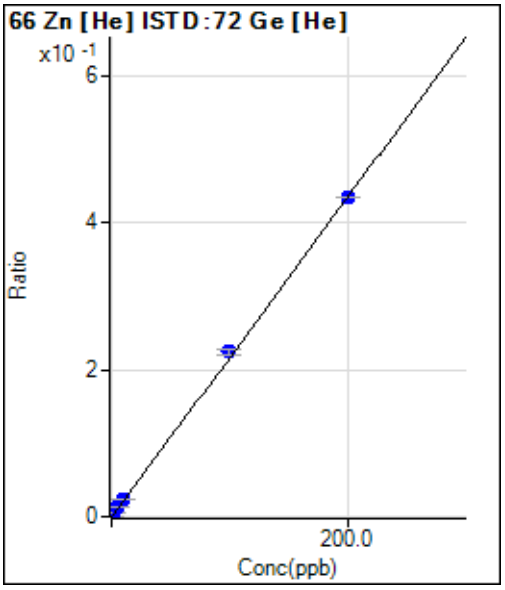
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1433.43	0.0008	P	0.3	
2	☐	2.000	2.074	7245.21	0.0043	P	3.6	3.7
3	☐	5.000	5.152	15725.14	0.0094	P	2.2	3.0
4	☐	10.000	10.435	30618.26	0.0181	P	1.6	4.4
5	☐	100.000	102.742	287586.31	0.1704	P	1.5	2.7
6	☐	200.000	198.603	553177.69	0.3286	P	0.9	-0.7
7	☐	1.000						

y = 0.0017 * x + 8.4820E-004
R = 0.9999
DL = 0.005199 ppb
BEC = 0.5139 ppb

Weight: <None>
Min Conc: <None>

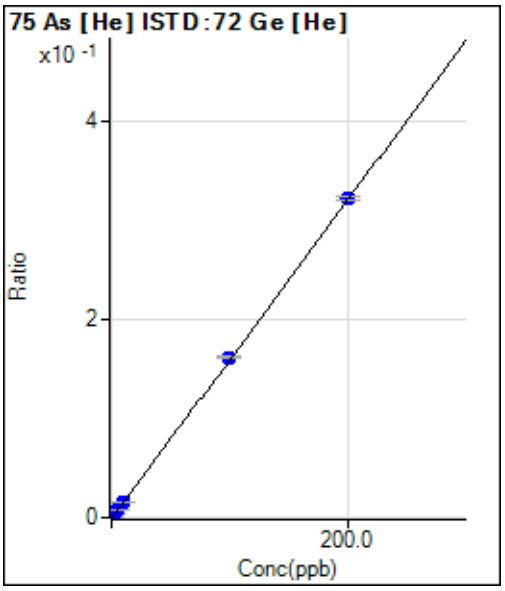


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	556.69	0.0012	P	10.8	
2	☐	2.000	2.063	2756.97	0.0057	P	5.3	3.1
3	☐	5.000	5.119	6007.97	0.0123	P	1.0	2.4
4	☐	10.000	10.327	11504.59	0.0237	P	1.9	3.3
5	☐	100.000	102.246	108319.94	0.2239	P	2.8	2.2
6	☐	200.000	198.857	206845.98	0.4343	P	0.2	-0.6
7	☐	1.000						

y = 0.0022 * x + 0.0012
R = 0.9999
DL = 0.1746 ppb
BEC = 0.537 ppb

Weight: <None>
Min Conc: <None>

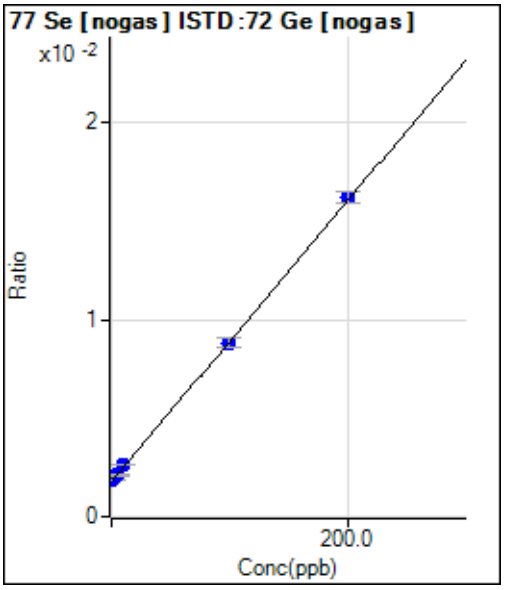
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	133.33	0.0003	P	27.5	
2	☐	2.000	1.926	1645.66	0.0034	P	5.7	-3.7
3	☐	5.000	4.911	3992.78	0.0082	P	3.7	-1.8
4	☐	10.000	9.894	7883.23	0.0162	P	2.5	-1.1
5	☐	100.000	99.972	78035.13	0.1613	P	1.2	0.0
6	☐	200.000	200.022	153531.35	0.3224	P	1.3	0.0
7	☐	1.000						

y = 0.0016 * x + 2.7994E-004
R = 1.0000
DL = 0.1432 ppb
BEC = 0.1738 ppb

Weight: <None>
Min Conc: <None>

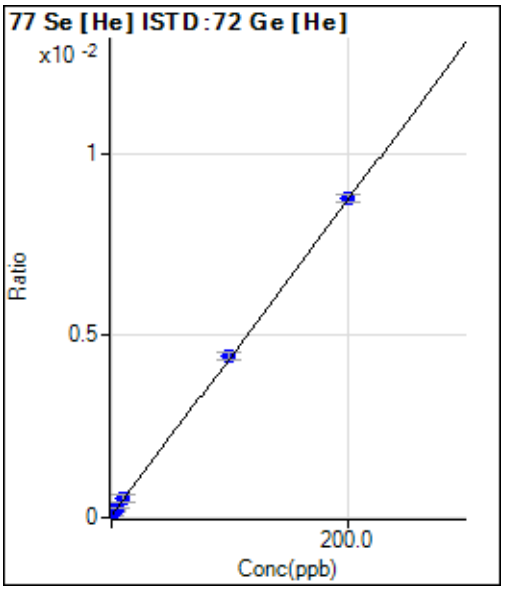


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3163.72	0.0019	P	1.8	
2	☐	2.000	0.925	3287.10	0.0019	P	8.4	-53.7
3	☐	5.000	3.365	3550.49	0.0021	P	3.0	-32.7
4	☐	10.000	10.634	4454.09	0.0026	P	1.8	6.3
5	☐	100.000	97.533	14877.69	0.0088	P	4.9	-2.5
6	☐	200.000	201.253	27262.10	0.0162	P	3.9	0.6
7	☐	1.000						

y = 7.1184E-005 * x + 0.0019
R = 0.9999
DL = 1.383 ppb
BEC = 26.3 ppb

Weight: <None>
Min Conc: <None>

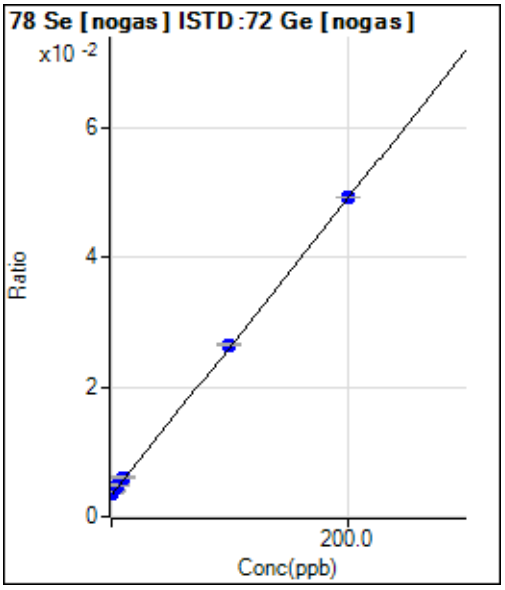
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	50.00	0.0001	P	53.9	
2	☐	2.000	1.677	86.67	0.0002	P	24.2	-16.1
3	☐	5.000	3.721	130.00	0.0003	P	13.7	-25.6
4	☐	10.000	9.885	260.01	0.0005	P	35.9	-1.2
5	☐	100.000	99.924	2146.87	0.0044	P	4.3	-0.1
6	☐	200.000	200.079	4180.67	0.0088	P	2.6	0.0
7	☐	1.000						

y = 4.3342E-005 * x + 1.0540E-004
R = 1.0000
DL = 3.934 ppb
BEC = 2.432 ppb

Weight: <None>
Min Conc: <None>

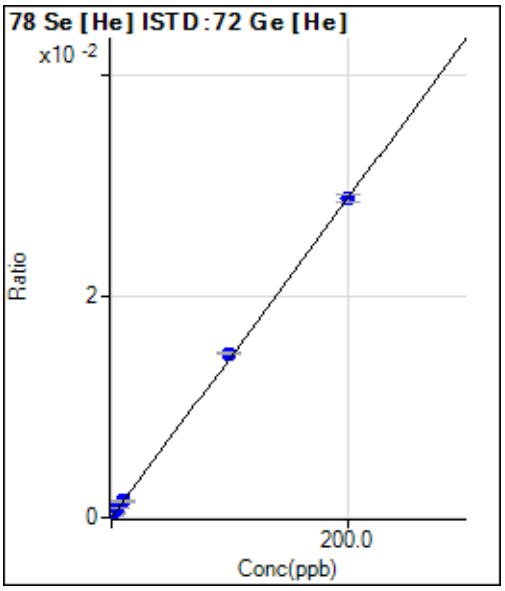


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6078.02	0.0036	P	3.8	
2	☐	2.000	2.026	6888.38	0.0041	P	3.5	1.3
3	☐	5.000	5.640	8219.12	0.0049	P	3.2	12.8
4	☐	10.000	10.844	10300.43	0.0061	P	2.0	8.4
5	☐	100.000	100.248	44797.65	0.0265	P	1.5	0.2
6	☐	200.000	199.817	83054.95	0.0493	P	0.3	-0.1
7	☐	1.000						

y = 2.2893E-004 * x + 0.0036
R = 1.0000
DL = 1.775 ppb
BEC = 15.71 ppb

Weight: <None>
Min Conc: <None>

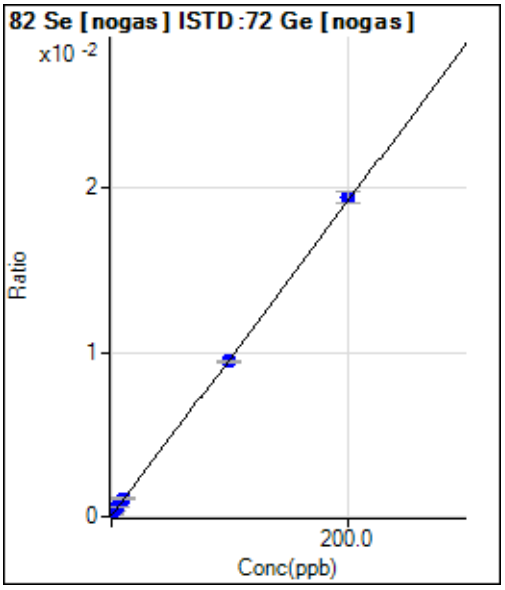
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	79.33	0.0002	P	6.1	
2	☐	2.000	1.954	218.67	0.0004	P	16.2	-2.3
3	☐	5.000	4.770	417.34	0.0009	P	2.7	-4.6
4	☐	10.000	9.643	758.02	0.0016	P	10.8	-3.6
5	☐	100.000	101.957	7209.77	0.0149	P	2.3	2.0
6	☐	200.000	199.045	13774.39	0.0289	P	1.9	-0.5
7	☐	1.000						

y = 1.4447E-004 * x + 1.6670E-004
R = 0.9999
DL = 0.2111 ppb
BEC = 1.154 ppb

Weight: <None>
Min Conc: <None>

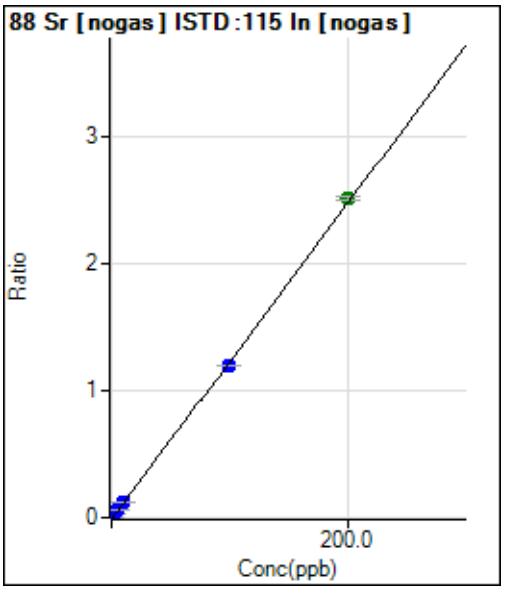


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	256.67	0.0002	P	31.7	
2	☐	2.000	1.676	530.02	0.0003	P	6.0	-16.2
3	☐	5.000	4.747	1020.06	0.0006	P	4.3	-5.1
4	☐	10.000	9.737	1836.81	0.0011	P	6.7	-2.6
5	☐	100.000	97.074	15945.50	0.0094	P	1.9	-2.9
6	☐	200.000	201.486	32736.44	0.0194	P	3.6	0.7
7	☐	1.000						

y = 9.5777E-005 * x + 1.5201E-004
R = 0.9999
DL = 1.509 ppb
BEC = 1.587 ppb

Weight: <None>
Min Conc: <None>

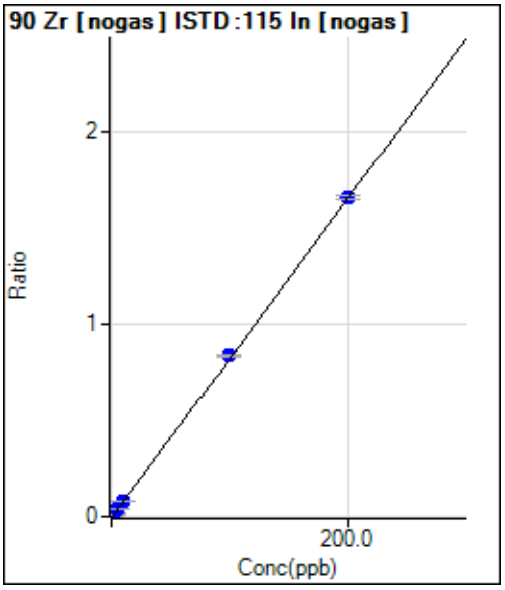
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	630.03	0.0003	P	14.9	
2	☐	2.000	1.864	47469.83	0.0235	P	0.9	-6.8
3	☐	5.000	4.690	117998.86	0.0587	P	0.7	-6.2
4	☐	10.000	9.423	237852.25	0.1176	P	2.0	-5.8
5	☐	100.000	95.974	2387569.81	1.1945	P	0.7	-4.0
6	☐	200.000	202.051	4984730.66	2.5144	A	1.1	1.0
7	☐	1.000						

y = 0.0124 * x + 3.1281E-004
R = 0.9997
DL = 0.01123 ppb
BEC = 0.02514 ppb

Weight: <None>
Min Conc: <None>

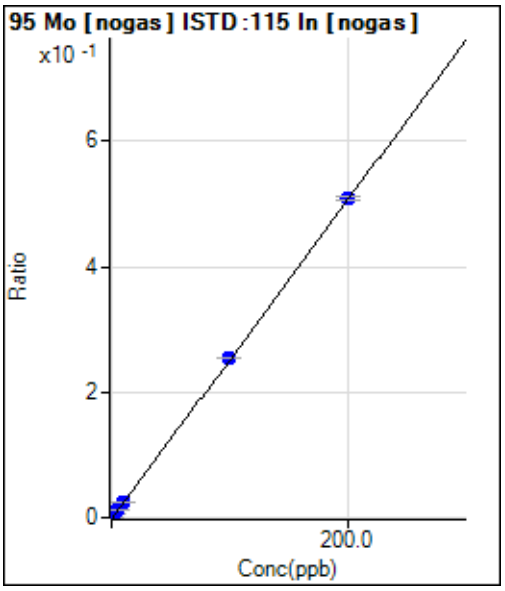


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4520.76	0.0022	P	2.4	
2	☐	2.000	1.545	30431.88	0.0151	P	2.5	-22.8
3	☐	5.000	4.374	77513.85	0.0385	P	2.2	-12.5
4	☐	10.000	9.480	163715.08	0.0809	P	2.1	-5.2
5	☐	100.000	100.444	1670628.52	0.8358	P	0.3	0.4
6	☐	200.000	199.824	3292048.08	1.6605	P	1.0	-0.1
7	☐	1.000						

y = 0.0083 * x + 0.0022
R = 1.0000
DL = 0.01928 ppb
BEC = 0.2707 ppb

Weight: <None>
Min Conc: <None>

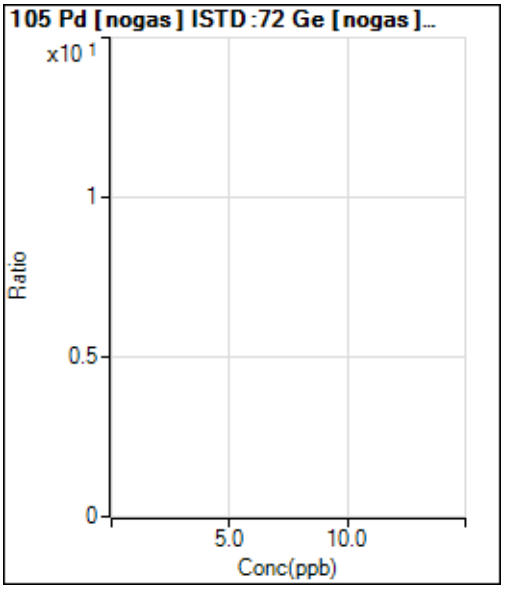
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	250.01	0.0001	P	15.0	
2	☐	2.000	1.873	9880.19	0.0049	P	4.1	-6.4
3	☐	5.000	4.746	24544.18	0.0122	P	1.4	-5.1
4	☐	10.000	9.725	50339.80	0.0249	P	2.0	-2.8
5	☐	100.000	100.039	509276.93	0.2548	P	0.2	0.0
6	☐	200.000	200.002	1009634.34	0.5093	P	0.6	0.0
7	☐	1.000						

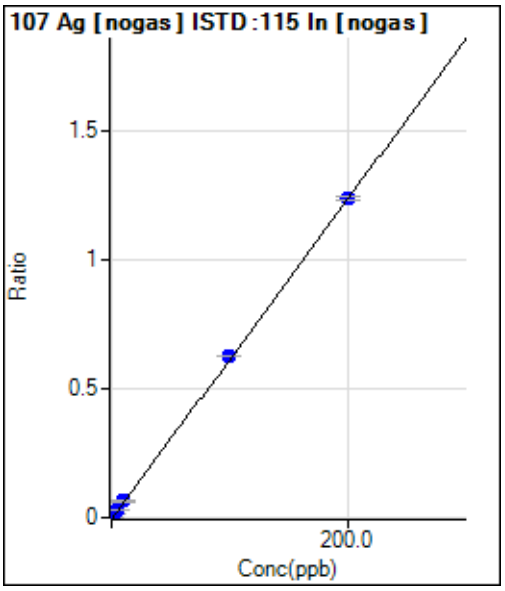
y = 0.0025 * x + 1.2431E-004
R = 1.0000
DL = 0.02196 ppb
BEC = 0.04883 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

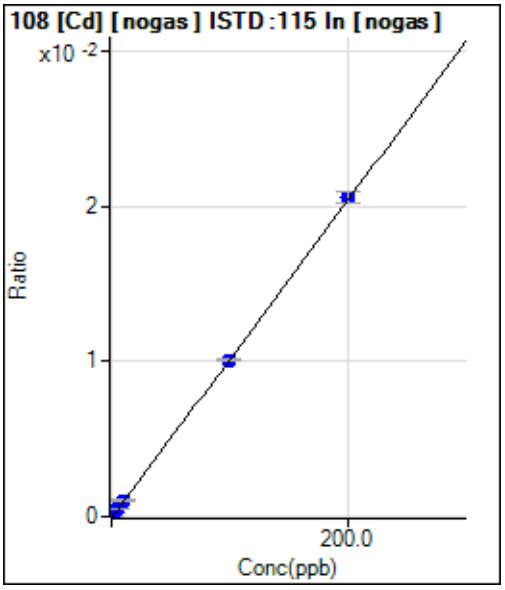
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	106.67	0.0001	P	23.8	
2	☐	2.000	1.985	24985.09	0.0124	P	1.3	-0.7
3	☐	5.000	5.004	62531.03	0.0311	P	2.4	0.1
4	☐	10.000	10.208	128224.33	0.0634	P	1.1	2.1
5	☐	100.000	101.042	1252936.80	0.6268	P	0.5	1.0
6	☐	200.000	199.469	2453071.84	1.2374	P	1.0	-0.3
7	☐	1.000						

y = 0.0062 * x + 5.3033E-005
R = 1.0000
DL = 0.006096 ppb
BEC = 0.008549 ppb

Weight: <None>
Min Conc: <None>

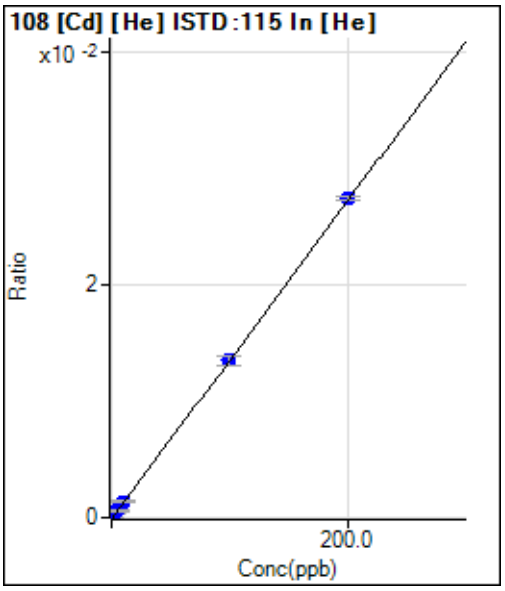


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	1.982	413.35	0.0002	P	13.6	-0.9
3	☐	5.000	4.986	1030.05	0.0005	P	9.6	-0.3
4	☐	10.000	10.158	2110.20	0.0010	P	9.9	1.6
5	☐	100.000	98.285	20134.24	0.0101	P	1.8	-1.7
6	☐	200.000	200.850	40791.03	0.0206	P	3.9	0.4
7	☐	1.000						

y = 1.0246E-004 * x + 1.6444E-006
R = 0.9999
DL = 0.08339 ppb
BEC = 0.01605 ppb

Weight: <None>
Min Conc: <None>

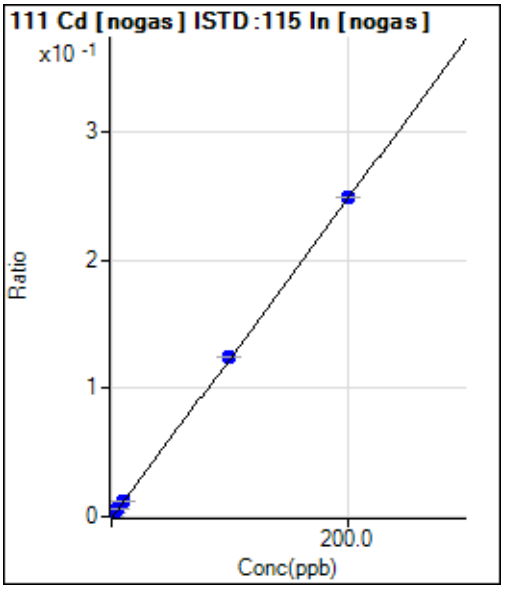
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0000	P	86.6	
2	☐	2.000	1.993	200.00	0.0003	P	19.4	-0.3
3	☐	5.000	4.261	423.35	0.0006	P	22.5	-14.8
4	☐	10.000	9.992	980.05	0.0014	P	17.3	-0.1
5	☐	100.000	98.947	9523.26	0.0135	P	6.1	-1.1
6	☐	200.000	200.545	19039.45	0.0274	P	1.6	0.3
7	☐	1.000						

y = 1.3665E-004 * x + 9.4621E-006
R = 1.0000
DL = 0.1799 ppb
BEC = 0.06924 ppb

Weight: <None>
Min Conc: <None>

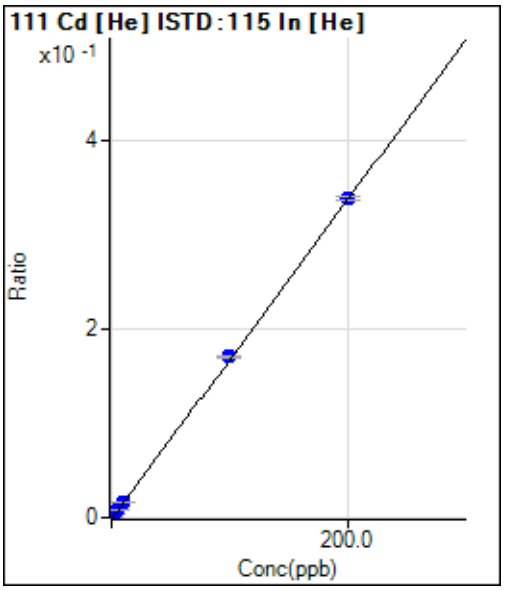


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.42	0.0000	P	86.8	
2	☐	2.000	1.981	4997.58	0.0025	P	2.7	-0.9
3	☐	5.000	5.013	12581.49	0.0063	P	2.5	0.3
4	☐	10.000	9.905	24998.33	0.0124	P	2.6	-0.9
5	☐	100.000	99.965	249216.44	0.1247	P	0.5	0.0
6	☐	200.000	200.022	494626.30	0.2495	P	0.6	0.0
7	☐	1.000						

y = 0.0012 * x + 3.1752E-006
R = 1.0000
DL = 0.00663 ppb
BEC = 0.002546 ppb

Weight: <None>
Min Conc: <None>

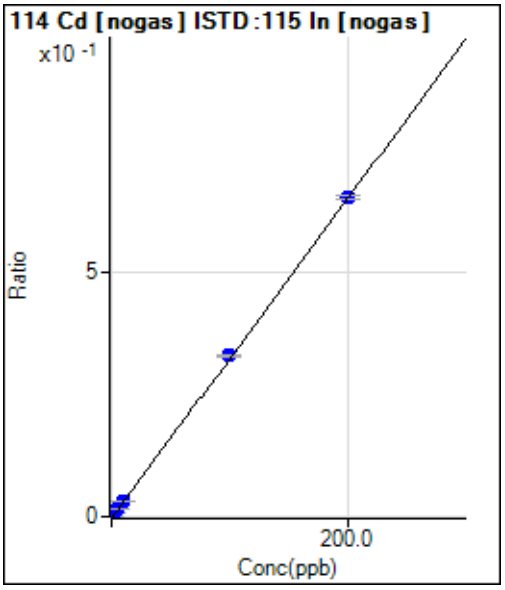
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-7.15	0.0000	P	-86.6	
2	☐	2.000	1.962	2365.68	0.0033	P	14.4	-1.9
3	☐	5.000	5.062	6154.05	0.0086	P	4.0	1.2
4	☐	10.000	9.856	11941.10	0.0167	P	1.8	-1.4
5	☐	100.000	100.486	120177.50	0.1708	P	1.4	0.5
6	☐	200.000	199.763	235749.36	0.3395	P	1.7	-0.1
7	☐	1.000						

y = 0.0017 * x - 1.0153E-005
R = 1.0000
DL = 0.01552 ppb
BEC = -0.005974 ppb

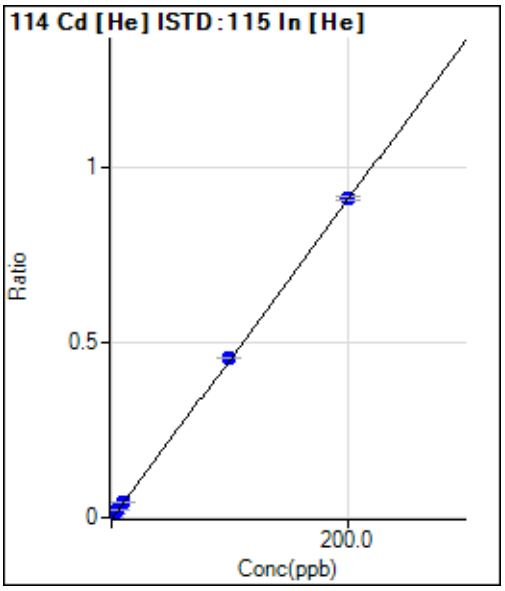
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	96.67	0.0000	P	11.3	
2	☐	2.000	1.959	13036.06	0.0065	P	0.9	-2.1
3	☐	5.000	4.922	32466.77	0.0161	P	0.9	-1.6
4	☐	10.000	10.010	66331.72	0.0328	P	0.8	0.1
5	☐	100.000	100.515	657176.63	0.3287	P	1.5	0.5
6	☐	200.000	199.744	1295249.95	0.6532	P	1.0	-0.1
7	☐	1.000						

y = 0.0033 * x + 4.8014E-005
R = 1.0000
DL = 0.004976 ppb
BEC = 0.01468 ppb

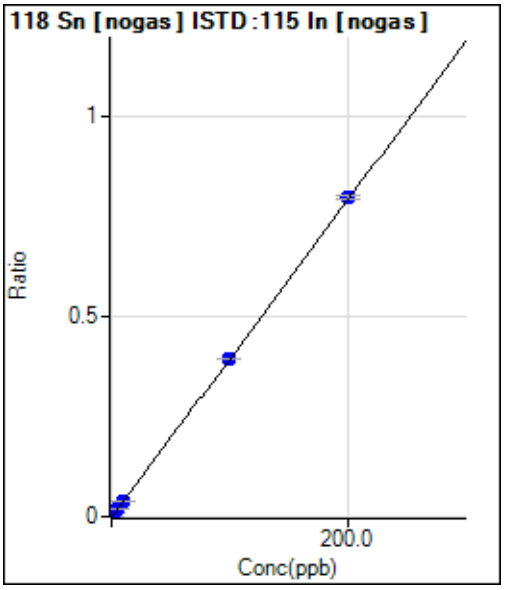
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	43.33	0.0001	P	96.1	
2	☐	2.000	1.983	6464.89	0.0091	P	3.5	-0.9
3	☐	5.000	4.787	15651.97	0.0219	P	1.8	-4.3
4	☐	10.000	9.620	31284.12	0.0439	P	1.1	-3.8
5	☐	100.000	100.012	320525.22	0.4554	P	0.5	0.0
6	☐	200.000	200.018	632474.73	0.9108	P	1.5	0.0
7	☐	1.000						

y = 0.0046 * x + 6.1651E-005
R = 1.0000
DL = 0.03904 ppb
BEC = 0.01354 ppb

Weight: <None>
Min Conc: <None>

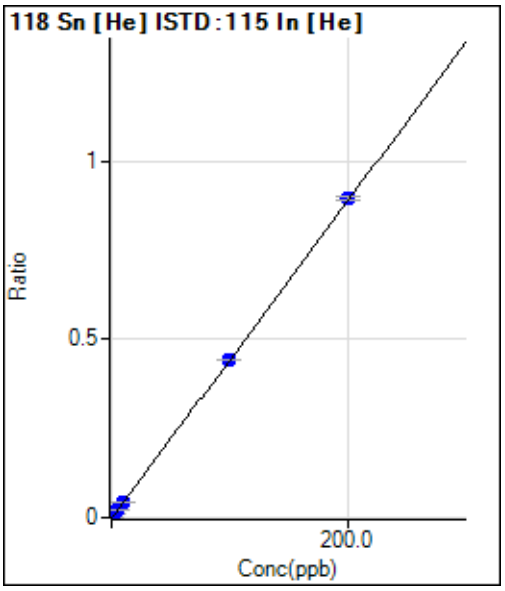


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3487.15	0.0017	P	3.3	
2	☐	2.000	1.822	18074.86	0.0089	P	2.9	-8.9
3	☐	5.000	4.741	41242.45	0.0205	P	1.9	-5.2
4	☐	10.000	9.525	79823.05	0.0395	P	1.7	-4.7
5	☐	100.000	98.716	784942.12	0.3927	P	0.7	-1.3
6	☐	200.000	200.674	1579209.82	0.7964	P	0.9	0.3
7	☐	1.000						

y = 0.0040 * x + 0.0017
R = 1.0000
DL = 0.04345 ppb
BEC = 0.4376 ppb

Weight: <None>
Min Conc: <None>

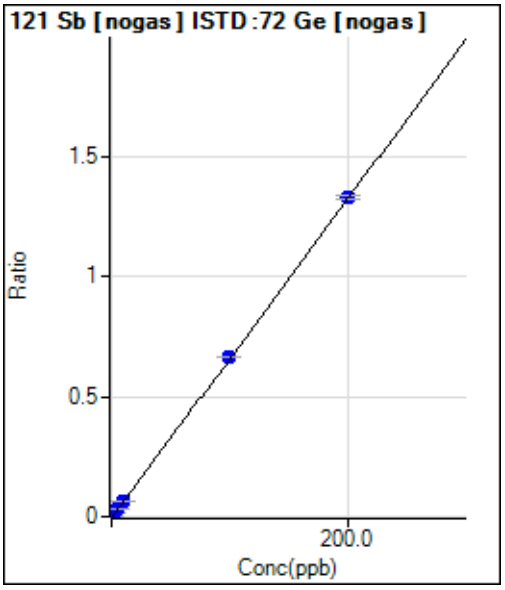
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1296.75	0.0018	P	6.5	
2	☐	2.000	1.924	7415.34	0.0104	P	2.9	-3.8
3	☐	5.000	4.745	16479.69	0.0230	P	1.6	-5.1
4	☐	10.000	9.746	32329.77	0.0453	P	0.4	-2.5
5	☐	100.000	98.780	311478.33	0.4426	P	0.5	-1.2
6	☐	200.000	200.630	622924.13	0.8970	P	1.0	0.3
7	☐	1.000						

y = 0.0045 * x + 0.0018
R = 1.0000
DL = 0.08068 ppb
BEC = 0.4128 ppb

Weight: <None>
Min Conc: <None>

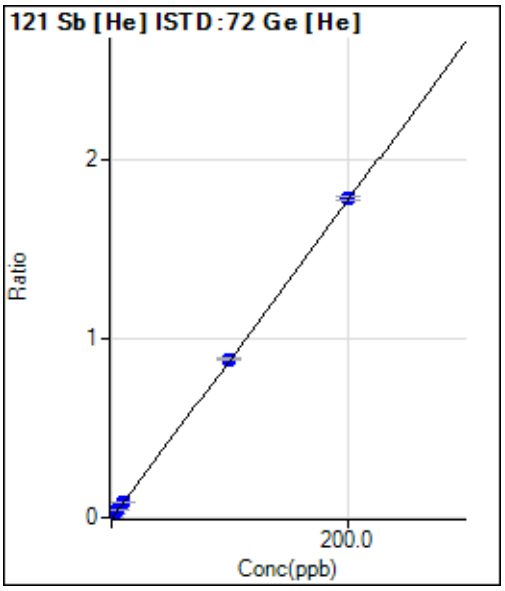


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1120.07	0.0007	P	13.1	
2	☐	2.000	1.921	22761.59	0.0134	P	1.1	-4.0
3	☐	5.000	4.809	54814.27	0.0326	P	3.1	-3.8
4	☐	10.000	9.642	109624.33	0.0647	P	0.9	-3.6
5	☐	100.000	100.094	1122838.34	0.6654	P	0.8	0.1
6	☐	200.000	199.976	2236426.06	1.3287	P	1.5	0.0
7	☐	1.000						

y = 0.0066 * x + 6.6293E-004
R = 1.0000
DL = 0.03921 ppb
BEC = 0.09983 ppb

Weight: <None>
Min Conc: <None>

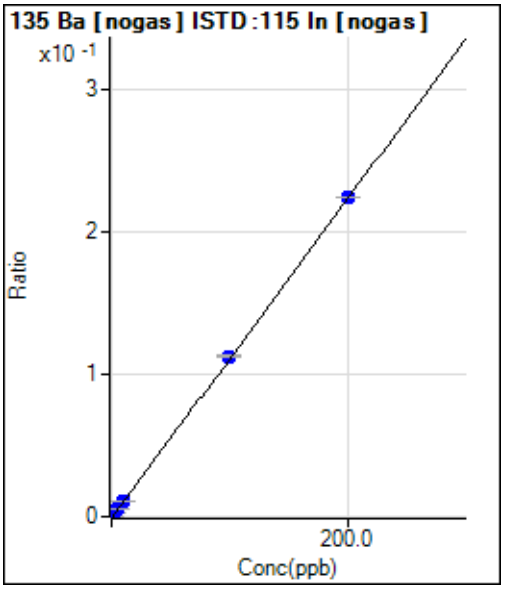
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	446.68	0.0009	P	8.6	
2	☐	2.000	1.872	8566.02	0.0176	P	5.0	-6.4
3	☐	5.000	4.753	21075.72	0.0432	P	3.9	-4.9
4	☐	10.000	9.641	42155.38	0.0867	P	2.5	-3.6
5	☐	100.000	99.166	427312.29	0.8831	P	1.5	-0.8
6	☐	200.000	200.442	849672.17	1.7840	P	1.0	0.2
7	☐	1.000						

y = 0.0089 * x + 9.3788E-004
R = 1.0000
DL = 0.02727 ppb
BEC = 0.1054 ppb

Weight: <None>
Min Conc: <None>

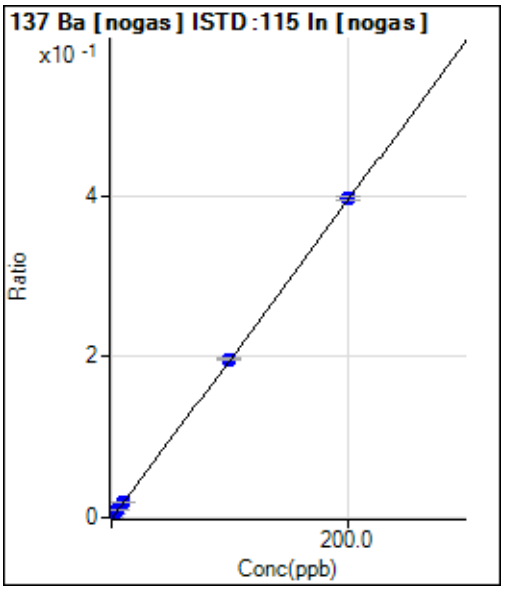


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86.67	0.0000	P	37.7	
2	☐	2.000	2.054	4744.20	0.0023	P	5.5	2.7
3	☐	5.000	4.807	10934.36	0.0054	P	4.5	-3.9
4	☐	10.000	9.603	21893.70	0.0108	P	1.7	-4.0
5	☐	100.000	100.459	225405.78	0.1128	P	1.2	0.5
6	☐	200.000	199.795	444628.61	0.2243	P	0.3	-0.1
7	☐	1.000						

y = 0.0011 * x + 4.3147E-005
R = 1.0000
DL = 0.04346 ppb
BEC = 0.03845 ppb

Weight: <None>
Min Conc: <None>

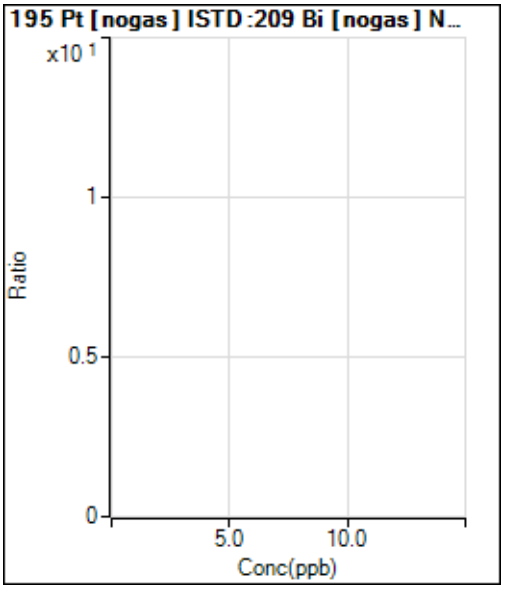
Calibration for 292_ICV.d



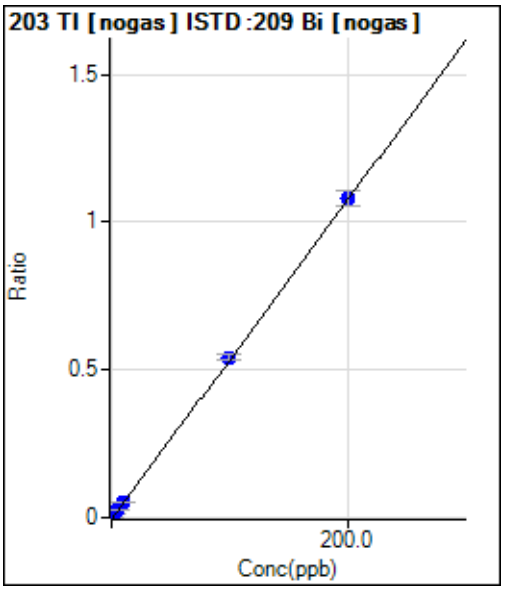
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	213.34	0.0001	P	11.9	
2	☐	2.000	1.965	8085.75	0.0040	P	6.3	-1.7
3	☐	5.000	4.801	19363.42	0.0096	P	1.2	-4.0
4	☐	10.000	9.774	39434.97	0.0195	P	2.5	-2.3
5	☐	100.000	99.339	394057.49	0.1971	P	0.5	-0.7
6	☐	200.000	200.347	788064.15	0.3975	P	1.0	0.2
7	☐	1.000						

y = 0.0020 * x + 1.0603E-004
R = 1.0000
DL = 0.01902 ppb
BEC = 0.05346 ppb

Weight: <None>
Min Conc: <None>



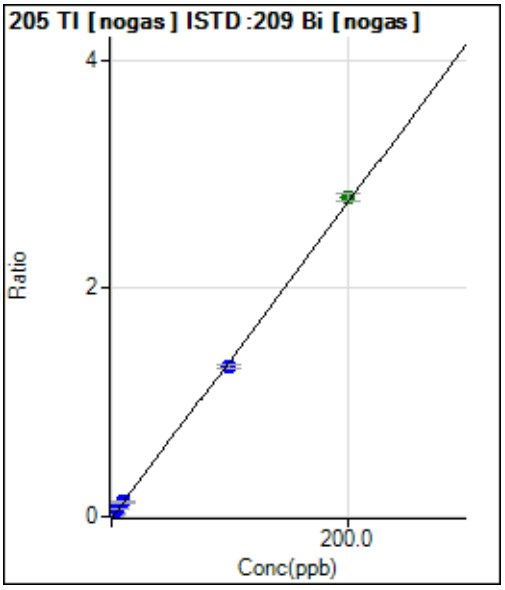
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.33	0.0001	P	24.7	
2	☐	2.000	1.979	21189.93	0.0108	P	3.9	-1.0
3	☐	5.000	4.837	51470.86	0.0262	P	5.1	-3.3
4	☐	10.000	9.769	105981.97	0.0529	P	3.3	-2.3
5	☐	100.000	100.081	1063360.14	0.5411	P	3.7	0.1
6	☐	200.000	199.975	2108618.82	1.0812	P	4.6	0.0
7	☐	1.000						

y = 0.0054 * x + 5.2098E-005
R = 1.0000
DL = 0.007141 ppb
BEC = 0.009636 ppb

Weight: <None>
Min Conc: <None>

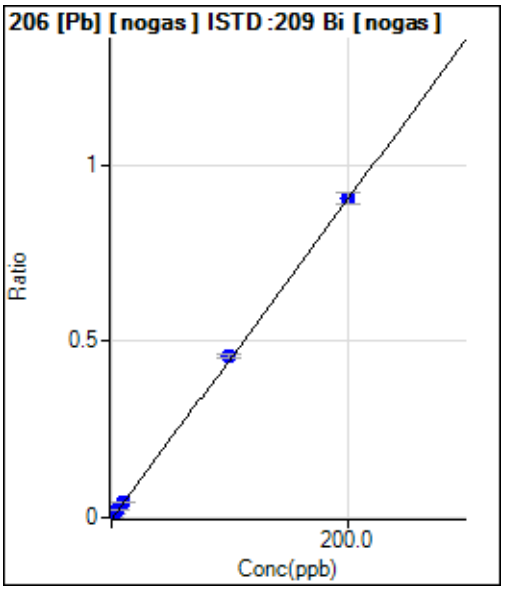


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	200.01	0.0001	P	15.2	
2	☐	2.000	1.841	50373.27	0.0256	P	3.6	-7.9
3	☐	5.000	4.575	124439.79	0.0634	P	5.8	-8.5
4	☐	10.000	9.167	254304.86	0.1269	P	4.2	-8.3
5	☐	100.000	95.235	2588361.00	1.3172	P	3.2	-4.8
6	☐	200.000	202.436	5461618.88	2.7998	A	2.7	1.2
7	☐	1.000						

y = 0.0138 * x + 1.0103E-004
R = 0.9996
DL = 0.003323 ppb
BEC = 0.007305 ppb

Weight: <None>
Min Conc: <None>

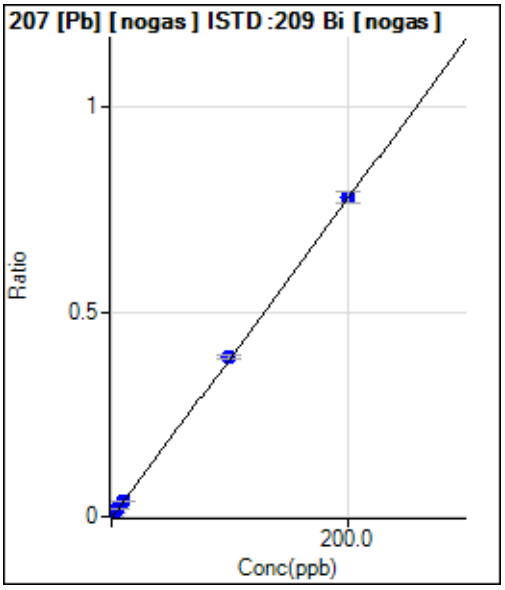
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	176.67	0.0001	P	39.1	
2	☐	2.000	1.954	17631.67	0.0089	P	2.9	-2.3
3	☐	5.000	4.895	43750.55	0.0223	P	5.7	-2.1
4	☐	10.000	9.801	89244.10	0.0445	P	2.8	-2.0
5	☐	100.000	100.743	897552.25	0.4567	P	2.8	0.7
6	☐	200.000	199.641	1765285.24	0.9050	P	3.5	-0.2
7	☐	1.000						

y = 0.0045 * x + 8.9547E-005
R = 1.0000
DL = 0.0232 ppb
BEC = 0.01976 ppb

Weight: <None>
Min Conc: <None>

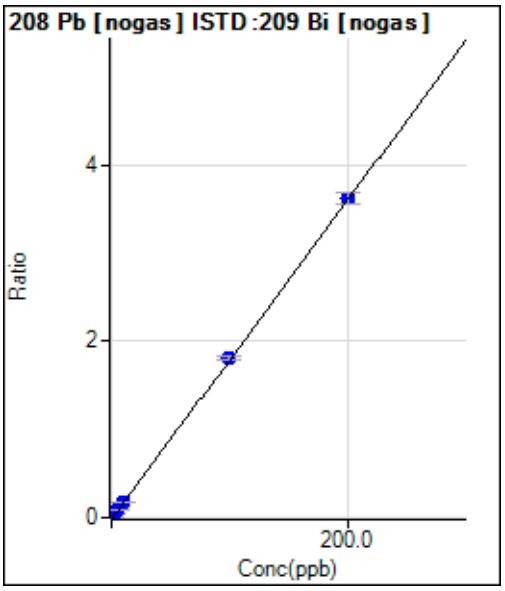


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	163.33	0.0001	P	5.1	
2	☐	2.000	1.919	14911.70	0.0076	P	5.0	-4.0
3	☐	5.000	4.939	37989.94	0.0194	P	8.4	-1.2
4	☐	10.000	9.664	75746.37	0.0378	P	2.7	-3.4
5	☐	100.000	100.096	767486.24	0.3906	P	3.0	0.1
6	☐	200.000	199.971	1521666.70	0.7802	P	4.0	0.0
7	☐	1.000						

y = 0.0039 * x + 8.2375E-005
R = 1.0000
DL = 0.00323 ppb
BEC = 0.02112 ppb

Weight: <None>
Min Conc: <None>

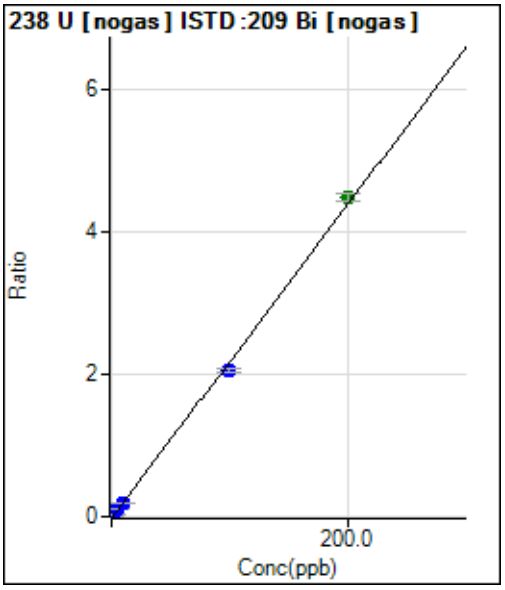
Calibration for 292_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	700.02	0.0004	P	12.0	
2	☐	2.000	1.928	69590.73	0.0353	P	2.4	-3.6
3	☐	5.000	4.890	174736.52	0.0890	P	6.1	-2.2
4	☐	10.000	9.692	352833.74	0.1760	P	3.6	-3.1
5	☐	100.000	100.025	3563259.55	1.8133	P	3.0	0.0
6	☐	200.000	200.006	7071369.59	3.6254	P	3.6	0.0
7	☐	1.000						

y = 0.0181 * x + 3.5343E-004
R = 1.0000
DL = 0.007008 ppb
BEC = 0.0195 ppb

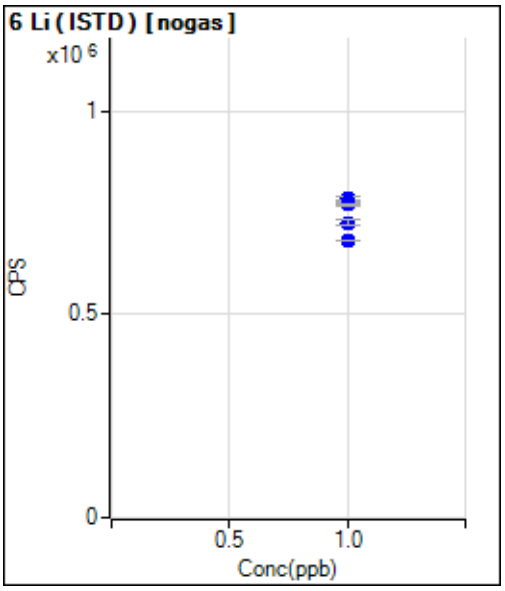
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Min Conc: <None>



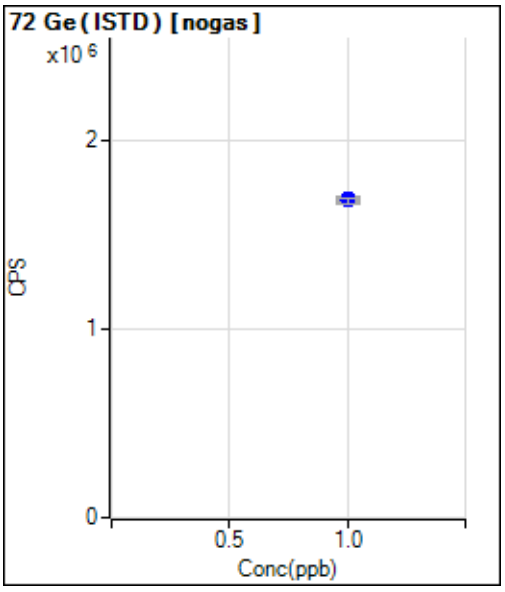
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	320.01	0.0002	P	22.6	
2	☐	2.000	1.760	76914.21	0.0390	P	5.8	-12.0
3	☐	5.000	4.481	194743.45	0.0992	P	5.2	-10.4
4	☐	10.000	8.892	394093.72	0.1966	P	3.6	-11.1
5	☐	100.000	93.153	4043992.13	2.0579	P	3.1	-6.8
6	☐	200.000	203.494	8769615.70	4.4954	A	2.6	1.7
7	☐	1.000						

y = 0.0221 * x + 1.6147E-004
R = 0.9992
DL = 0.004965 ppb
BEC = 0.00731 ppb

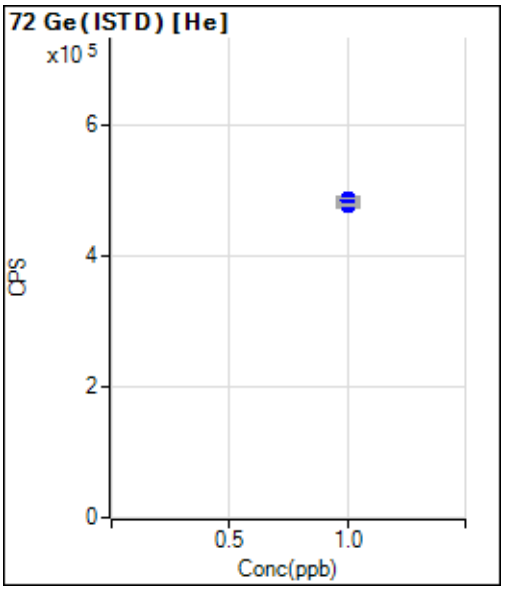
Weight: <None>
Min Conc: <None>



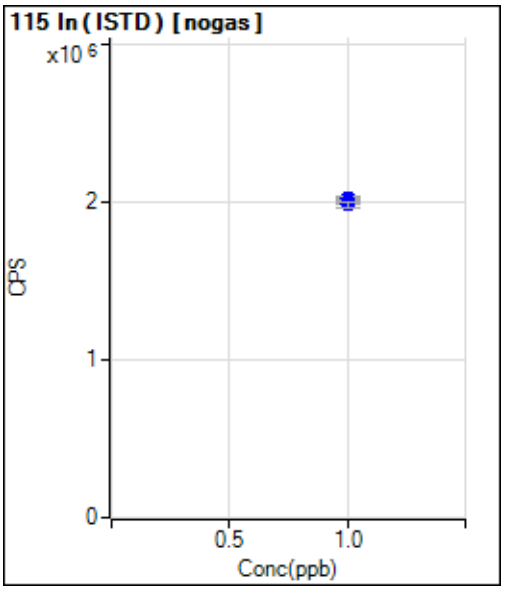
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		785959.67		P	1.0	
2	☐	1.000		773750.02		P	0.3	
3	☐	1.000		775084.08		P	0.9	
4	☐	1.000		770115.40		P	0.6	
5	☐	1.000		726190.16		P	1.5	
6	☐	1.000		682432.67		P	0.3	
7	☐	1.000						



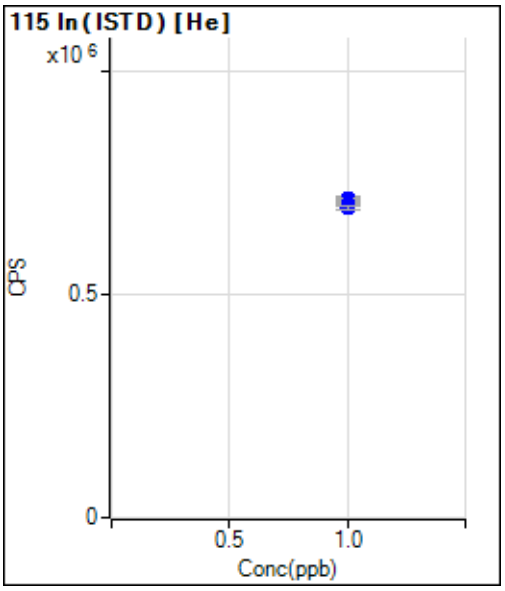
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1689951.80		P	0.5	
2	☐	1.000		1696339.56		P	1.1	
3	☐	1.000		1681483.78		P	0.2	
4	☐	1.000		1694510.18		P	1.5	
5	☐	1.000		1687494.61		P	0.6	
6	☐	1.000		1683215.86		P	1.6	
7	☐	1.000						



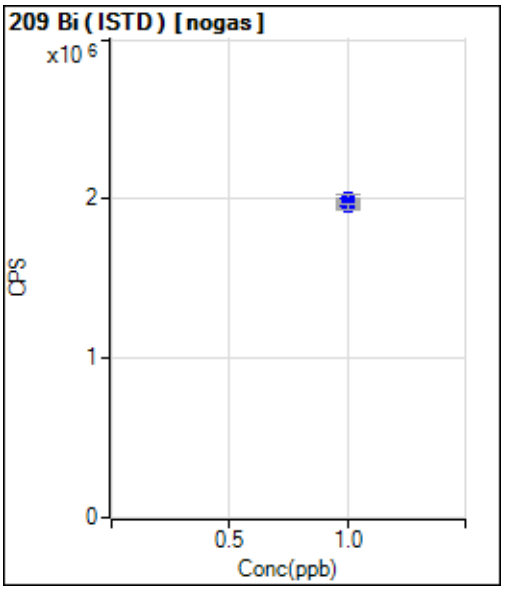
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		476070.18		P	1.0	
2	☐	1.000		486827.02		P	0.4	
3	☐	1.000		487686.22		P	0.6	
4	☐	1.000		486262.53		P	0.8	
5	☐	1.000		483929.34		P	1.1	
6	☐	1.000		476291.51		P	0.6	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2012398.59		P	0.9	
2	☐	1.000		2019888.90		P	0.6	
3	☐	1.000		2011133.10		P	1.1	
4	☐	1.000		2023305.78		P	0.7	
5	☐	1.000		1998859.90		P	1.4	
6	☐	1.000		1982665.41		P	1.5	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		704039.78		P	0.5	
2	☐	1.000		710996.43		P	1.5	
3	☐	1.000		716099.85		P	1.1	
4	☐	1.000		713259.66		P	0.5	
5	☐	1.000		703780.47		P	0.2	
6	☐	1.000		694473.66		P	0.7	
7	☐	1.000						



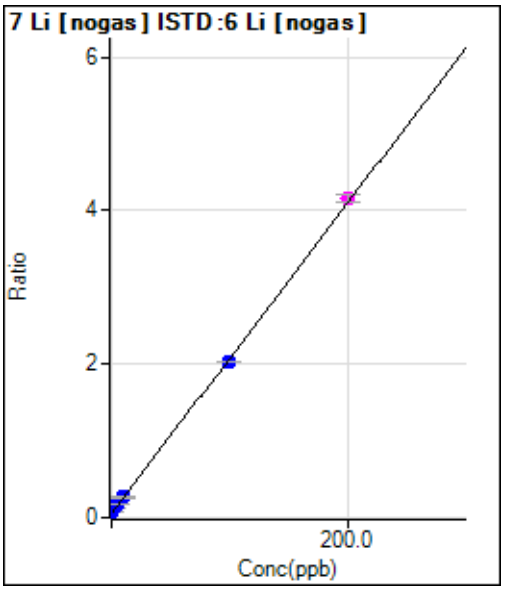
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1983997.63		P	2.1	
2	☐	1.000		1972059.08		P	3.0	
3	☐	1.000		1966273.82		P	3.3	
4	☐	1.000		2005840.91		P	2.7	
5	☐	1.000		1965555.49		P	1.2	
6	☐	1.000		1951517.52		P	2.2	
7	☐	1.000						

Calibration for 163_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070524A.b\
Analysis File: 070524A.batch.bin
DA Date-Time: 7/6/2024 10:31:27 AM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	156CALB.d	CAL BLK	7/5/2024 3:38:38 PM
2	157CALS.d	2/10/200	7/5/2024 3:40:45 PM
3	158CALS.d	5/25/500	7/5/2024 3:42:51 PM
4	159CALS.d	10/50/1000	7/5/2024 3:44:58 PM
5	160CALS.d	100/500/10K	7/5/2024 3:47:04 PM
6	161CALS.d	200/1000/20K	7/5/2024 3:49:09 PM
7			

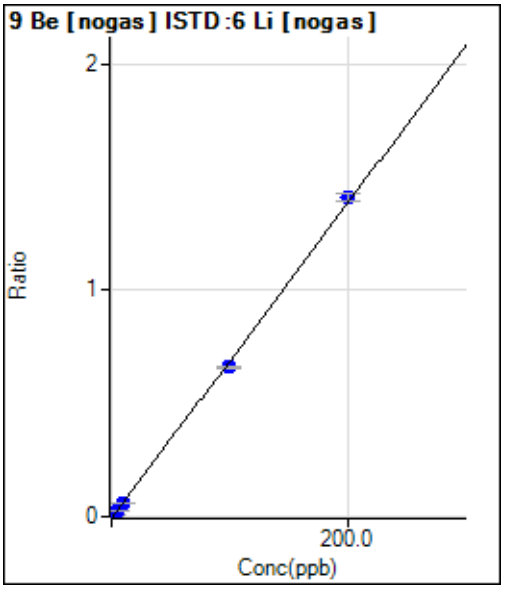
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	97126.50	0.0794	P	0.4	
2	☐	2.000	1.787	138421.52	0.1156	P	1.2	-10.6
3	☐	5.000	4.556	202666.66	0.1715	P	0.6	-8.9
4	☐	10.000	9.098	300389.78	0.2633	P	0.9	-9.0
5	☐	100.000	96.253	2099453.51	2.0246	P	0.7	-3.7
6	☐	200.000	201.932	3912590.77	4.1602	M	2.9	1.0
7	☐	1.000						

y = 0.0202 * x + 0.0794
R = 0.9998
DL = 0.05262 ppb
BEC = 3.931 ppb

Weight: <None>
Min Conc: <None>

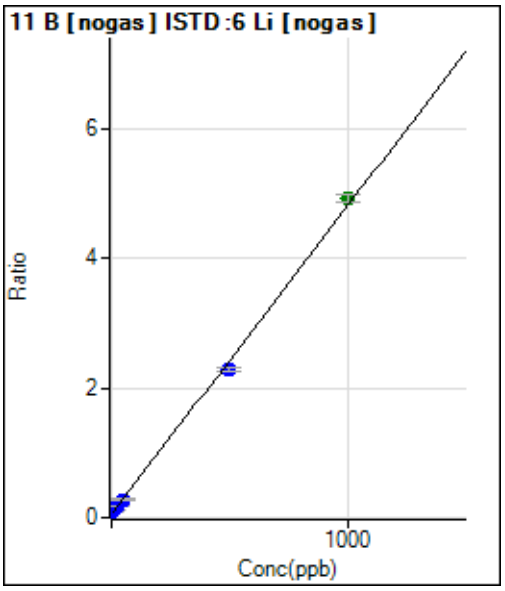


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	225.00	0.0002	P	16.2	
2	☐	2.000	1.646	13939.65	0.0116	P	2.0	-17.7
3	☐	5.000	4.173	34526.60	0.0292	P	1.4	-16.5
4	☐	10.000	8.539	67997.69	0.0596	P	0.5	-14.6
5	☐	100.000	94.840	684535.41	0.6601	P	0.9	-5.2
6	☐	200.000	202.677	1326492.38	1.4104	P	2.2	1.3
7	☐	1.000						

y = 0.0070 * x + 1.8414E-004
R = 0.9996
DL = 0.01283 ppb
BEC = 0.02646 ppb

Weight: <None>
Min Conc: <None>

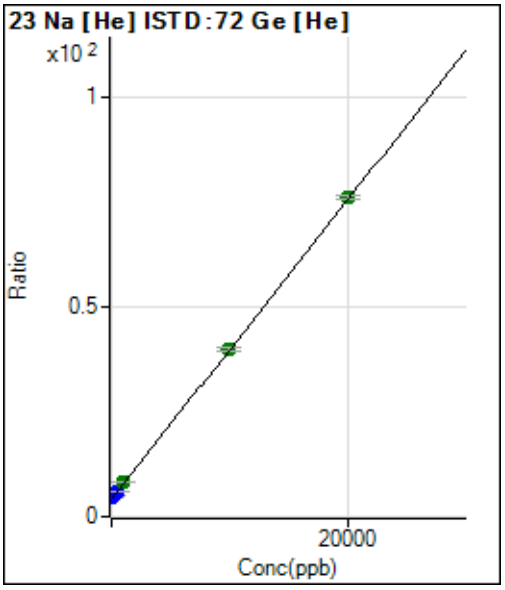
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	100788.63	0.0824	P	1.6	
2	☐	10.000	7.625	142120.85	0.1186	P	1.7	-23.8
3	☐	25.000	18.752	202624.39	0.1715	P	2.1	-25.0
4	☐	50.000	41.278	317659.14	0.2785	P	2.3	-17.4
5	☐	500.000	464.210	2371653.09	2.2868	P	3.2	-7.2
6	☐	1000.000	1018.511	4626505.97	4.9190	A	2.6	1.9
7	☐	5.000						

y = 0.0047 * x + 0.0824
R = 0.9992
DL = 0.8292 ppb
BEC = 17.36 ppb

Weight: <None>
Min Conc: <None>

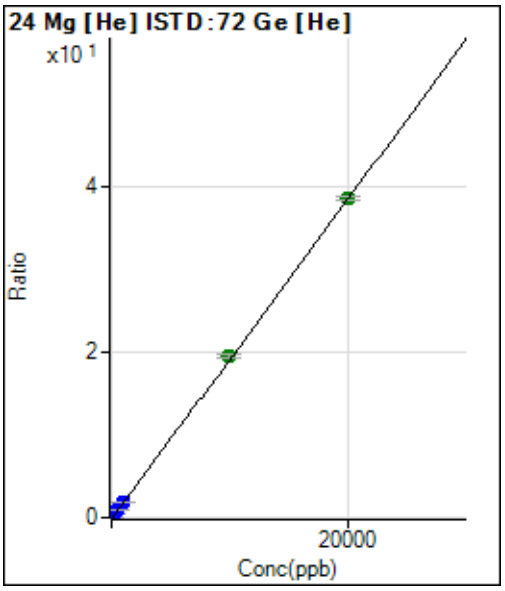


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2992624.44	4.5695	P	0.8	
2	☐	200.000	152.871	3370874.95	5.1137	P	0.2	-23.6
3	☐	500.000	408.617	3995945.05	6.0242	P	0.4	-18.3
4	☐	1000.000	1042.054	5394260.54	8.2794	A	1.0	4.2
5	☐	10000.00	9886.823	26116288.78	39.7688	A	1.5	-1.1
6	☐	20000.00	20057.24	49057114.27	75.9778	A	1.6	0.3
7	☐	100.000						

y = 0.0036 * x + 4.5695
R = 1.0000
DL = 29.02 ppb
BEC = 1283 ppb

Weight: <None>
Min Conc: <None>

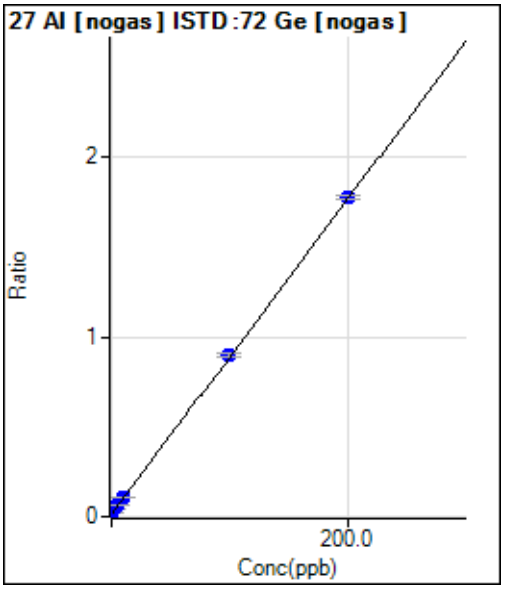
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2796.97	0.0043	P	4.1	
2	☐	200.000	187.799	242572.72	0.3680	P	0.3	-6.1
3	☐	500.000	477.599	616402.48	0.9293	P	0.5	-4.5
4	☐	1000.000	973.962	1231816.26	1.8906	P	1.3	-2.6
5	☐	10000.00	10085.70	12830511.48	19.5378	A	1.6	0.9
6	☐	20000.00	19959.13	24961663.79	38.6603	A	1.8	-0.2
7	☐	100.000						

y = 0.0019 * x + 0.0043
R = 1.0000
DL = 0.2703 ppb
BEC = 2.205 ppb

Weight: <None>
Min Conc: <None>

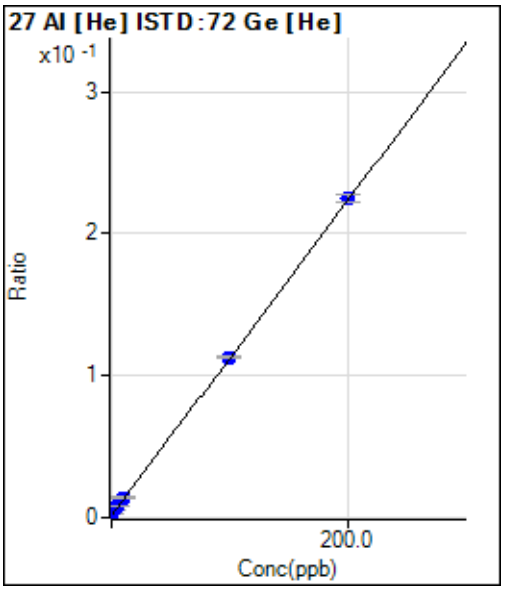


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	52954.83	0.0229	P	0.8	
2	☐	2.000	1.761	90188.08	0.0383	P	1.1	-11.9
3	☐	5.000	4.751	151995.96	0.0646	P	1.5	-5.0
4	☐	10.000	9.864	257456.14	0.1095	P	1.3	-1.4
5	☐	100.000	100.000	2104414.19	0.9008	P	1.9	0.0
6	☐	200.000	200.015	4117606.19	1.7788	P	1.1	0.0
7	☐	1.000						

y = 0.0088 * x + 0.0229
R = 1.0000
DL = 0.06386 ppb
BEC = 2.606 ppb

Weight: <None>
Min Conc: <None>

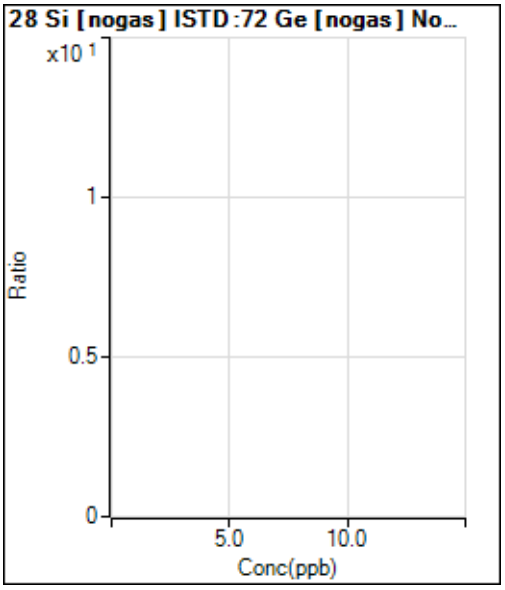
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1813.47	0.0028	P	4.9	
2	☐	2.000	2.109	3367.20	0.0051	P	4.6	5.5
3	☐	5.000	4.874	5424.38	0.0082	P	6.4	-2.5
4	☐	10.000	10.201	9176.23	0.0141	P	3.3	2.0
5	☐	100.000	99.239	74111.74	0.1128	P	0.9	-0.8
6	☐	200.000	200.372	145260.96	0.2250	P	2.8	0.2
7	☐	1.000						

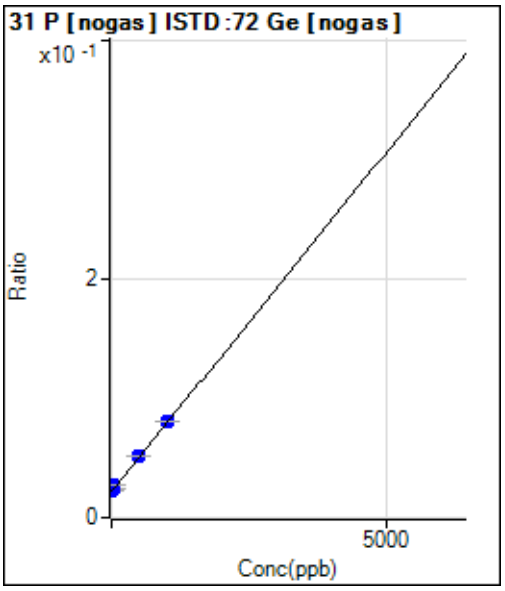
y = 0.0011 * x + 0.0028
R = 1.0000
DL = 0.3704 ppb
BEC = 2.497 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

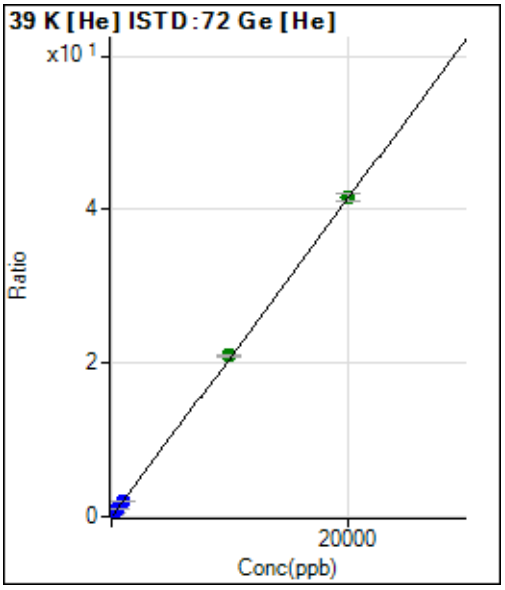
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	54075.49	0.0234	P	2.2	
2	☐	10.000	-0.977	54844.82	0.0233	P	1.5	-109.
3	☐	25.000	21.591	57882.79	0.0246	P	0.1	-13.6
4	☐	50.000	71.762	64558.77	0.0274	P	0.9	43.5
5	☐	500.000	491.267	119909.53	0.0513	P	0.9	-1.7
6	☐	1000.000	1003.473	186303.97	0.0805	P	0.3	0.3
7	☐	5.000						

y = 5.6915E-005 * x + 0.0234
R = 0.9996
DL = 26.55 ppb
BEC = 410.5 ppb

Weight: <None>
Min Conc: <None>

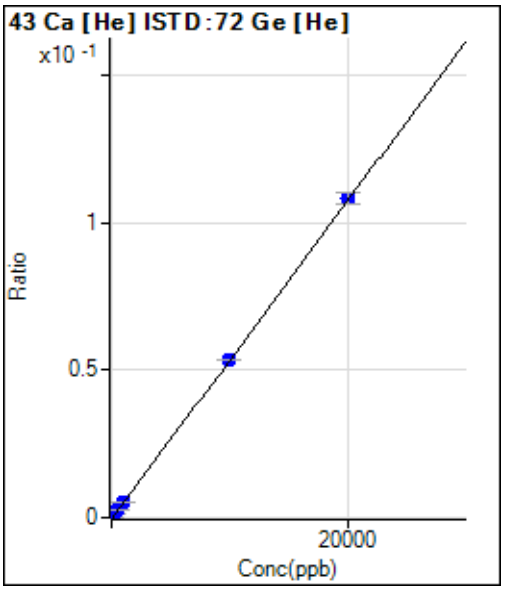


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	117478.89	0.1794	P	1.0	
2	☐	200.000	181.541	366295.28	0.5557	P	0.6	-9.2
3	☐	500.000	454.248	743543.17	1.1210	P	0.8	-9.2
4	☐	1000.000	929.255	1371850.55	2.1056	P	1.7	-7.1
5	☐	10000.00	10032.20	13774952.29	20.9748	A	1.3	0.3
6	☐	20000.00	19988.76	26869155.43	41.6134	A	2.0	-0.1
7	☐	100.000						

y = 0.0021 * x + 0.1794
R = 1.0000
DL = 2.699 ppb
BEC = 86.53 ppb

Weight: <None>
Min Conc: <None>

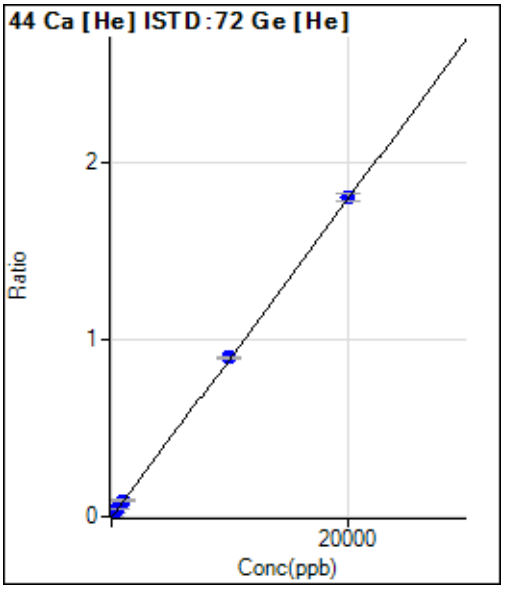
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	30.00	0.0000	P	88.2	
2	☐	200.000	202.893	753.36	0.0011	P	5.1	1.4
3	☐	500.000	484.181	1766.80	0.0027	P	6.8	-3.2
4	☐	1000.000	944.542	3357.11	0.0052	P	7.9	-5.5
5	☐	10000.00	9911.532	35227.79	0.0536	P	0.6	-0.9
6	☐	20000.00	20047.37	70011.06	0.1084	P	3.1	0.2
7	☐	100.000						

y = 5.4069E-006 * x + 4.5892E-005
R = 1.0000
DL = 22.47 ppb
BEC = 8.488 ppb

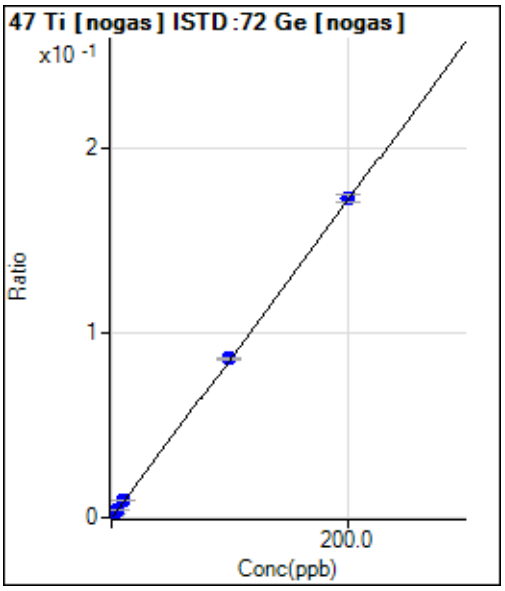
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2326.91	0.0036	P	2.6	
2	☐	200.000	190.813	13663.05	0.0207	P	2.6	-4.6
3	☐	500.000	467.976	30297.25	0.0457	P	0.3	-6.4
4	☐	1000.000	986.994	60195.92	0.0924	P	2.0	-1.3
5	☐	10000.00	9964.964	591376.98	0.9005	P	0.9	-0.4
6	☐	20000.00	20019.06	1165683.13	1.8054	P	2.1	0.1
7	☐	100.000						

y = 9.0006E-005 * x + 0.0036
R = 1.0000
DL = 3.073 ppb
BEC = 39.48 ppb

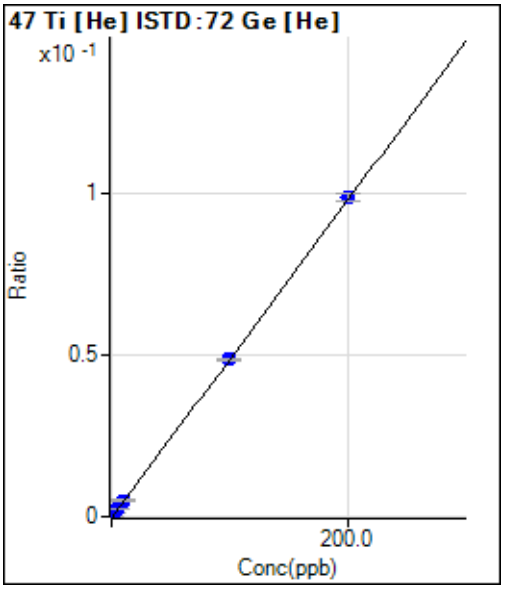
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1250.08	0.0005	P	2.4	
2	☐	2.000	1.975	5264.36	0.0022	P	7.6	-1.2
3	☐	5.000	4.746	10857.39	0.0046	P	2.2	-5.1
4	☐	10.000	9.945	21338.70	0.0091	P	5.0	-0.5
5	☐	100.000	99.372	200507.82	0.0858	P	2.0	-0.6
6	☐	200.000	200.323	399323.97	0.1725	P	1.9	0.2
7	☐	1.000						

y = 8.5826E-004 * x + 5.4011E-004
R = 1.0000
DL = 0.04452 ppb
BEC = 0.6293 ppb

Weight: <None>
Min Conc: <None>

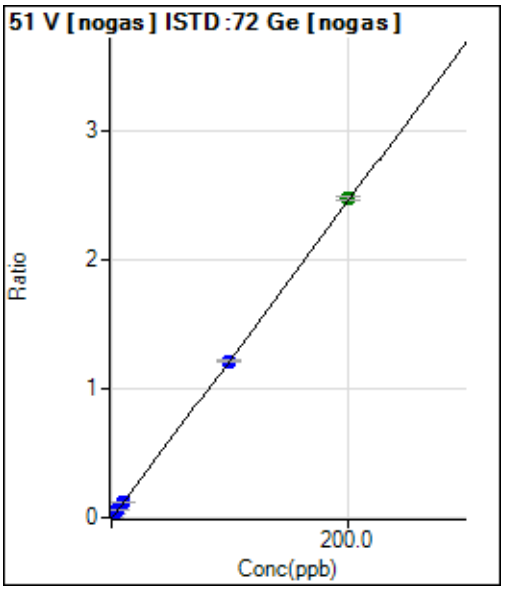


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	50.00	0.0001	P	40.8	
2	☐	2.000	1.761	620.02	0.0009	P	7.1	-11.9
3	☐	5.000	4.720	1586.78	0.0024	P	8.1	-5.6
4	☐	10.000	9.960	3233.74	0.0050	P	7.1	-0.4
5	☐	100.000	98.574	31810.42	0.0484	P	0.7	-1.4
6	☐	200.000	200.724	63630.33	0.0985	P	2.3	0.4
7	☐	1.000						

y = 4.9058E-004 * x + 7.6530E-005
R = 1.0000
DL = 0.1908 ppb
BEC = 0.156 ppb

Weight: <None>
Min Conc: <None>

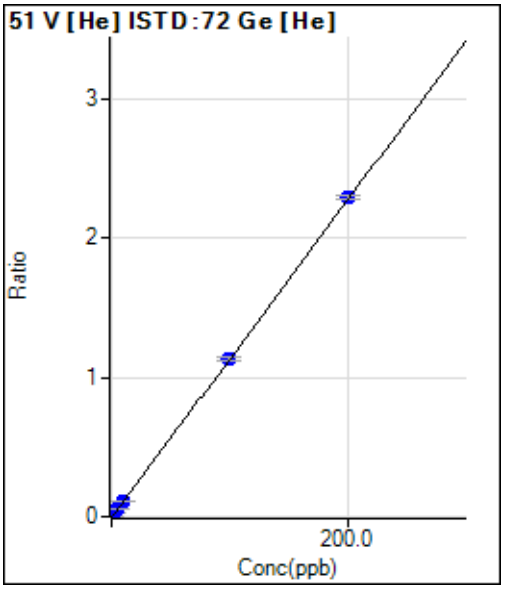
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9006.67	0.0039	P	22.9	
2	☐	2.000	1.767	60424.56	0.0257	P	4.5	-11.7
3	☐	5.000	4.537	140844.14	0.0598	P	1.5	-9.3
4	☐	10.000	9.302	278925.82	0.1186	P	1.5	-7.0
5	☐	100.000	98.091	2834951.46	1.2134	P	1.2	-1.9
6	☐	200.000	201.003	5746926.03	2.4824	A	0.6	0.5
7	☐	1.000						

y = 0.0123 * x + 0.0039
R = 0.9999
DL = 0.2164 ppb
BEC = 0.3155 ppb

Weight: <None>
Min Conc: <None>

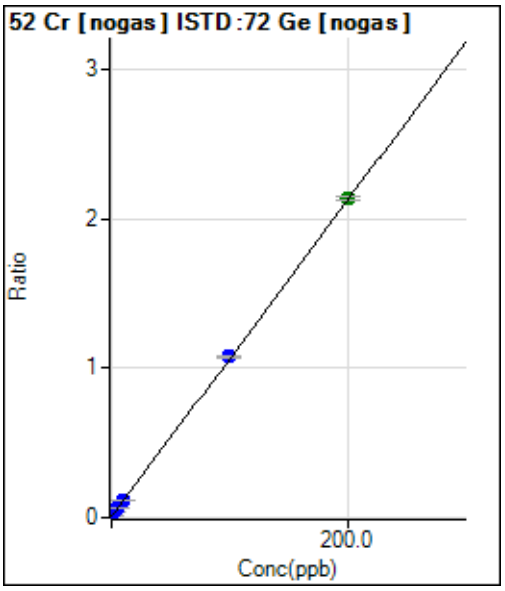


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2520.54	0.0039	P	22.3	
2	☐	2.000	1.811	16167.13	0.0245	P	5.0	-9.4
3	☐	5.000	4.873	39441.78	0.0595	P	1.0	-2.5
4	☐	10.000	9.792	75319.25	0.1156	P	1.2	-2.1
5	☐	100.000	98.817	743091.24	1.1316	P	2.3	-1.2
6	☐	200.000	200.607	1480851.33	2.2933	P	0.7	0.3
7	☐	1.000						

y = 0.0114 * x + 0.0039
R = 1.0000
DL = 0.2262 ppb
BEC = 0.3374 ppb

Weight: <None>
Min Conc: <None>

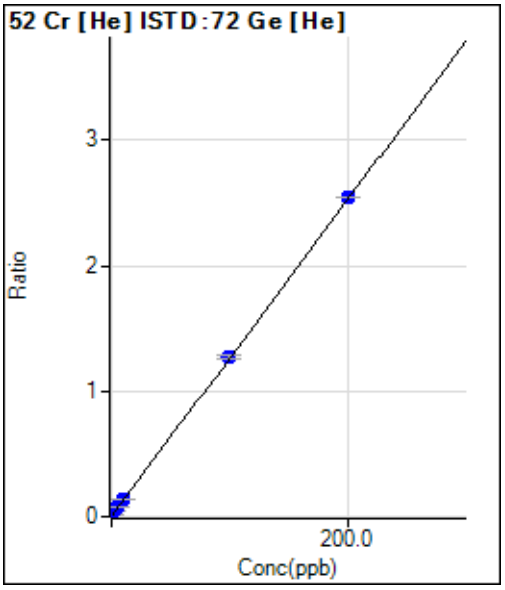
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	41470.43	0.0179	P	2.7	
2	☐	2.000	1.777	86496.30	0.0368	P	2.0	-11.1
3	☐	5.000	4.635	157843.43	0.0671	P	0.3	-7.3
4	☐	10.000	9.251	272854.92	0.1160	P	1.1	-7.5
5	☐	100.000	99.887	2516309.29	1.0771	P	0.8	-0.1
6	☐	200.000	200.105	4953473.15	2.1398	A	1.1	0.1
7	☐	1.000						

y = 0.0106 * x + 0.0179
R = 1.0000
DL = 0.1353 ppb
BEC = 1.69 ppb

Weight: <None>
Min Conc: <None>

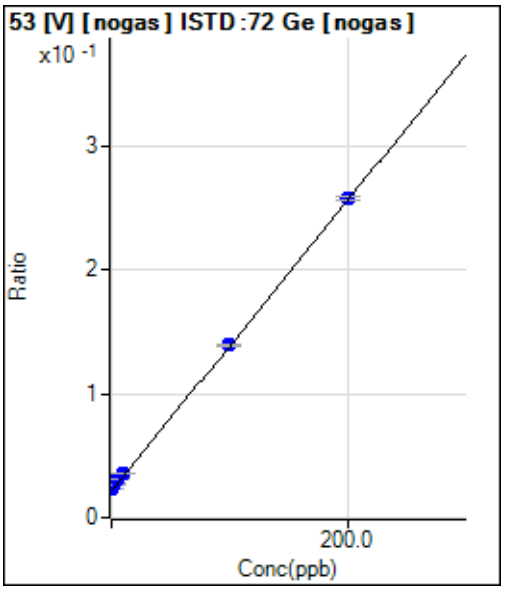


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11064.23	0.0169	P	7.5	
2	☐	2.000	1.986	27665.81	0.0420	P	1.0	-0.7
3	☐	5.000	4.911	52327.53	0.0789	P	0.9	-1.8
4	☐	10.000	9.904	92468.56	0.1419	P	1.7	-1.0
5	☐	100.000	99.330	834442.72	1.2707	P	1.9	-0.7
6	☐	200.000	200.342	1643842.16	2.5458	P	0.6	0.2
7	☐	1.000						

y = 0.0126 * x + 0.0169
R = 1.0000
DL = 0.2994 ppb
BEC = 1.339 ppb

Weight: <None>
Min Conc: <None>

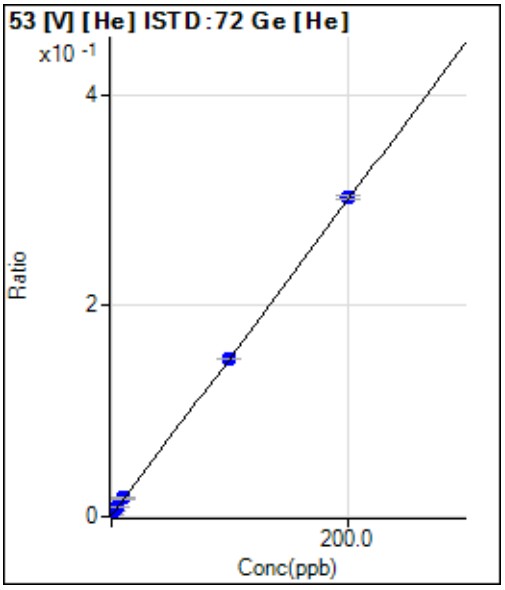
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	52929.52	0.0229	P	2.5	
2	☐	2.000	3.557	63593.41	0.0270	P	1.1	77.9
3	☐	5.000	6.523	71800.33	0.0305	P	0.7	30.5
4	☐	10.000	11.346	85062.02	0.0362	P	0.3	13.5
5	☐	100.000	99.322	325423.88	0.1393	P	0.9	-0.7
6	☐	200.000	200.218	596373.00	0.2576	P	1.6	0.1
7	☐	1.000						

y = 0.0012 * x + 0.0229
R = 1.0000
DL = 1.435 ppb
BEC = 19.5 ppb

Weight: <None>
Min Conc: <None>

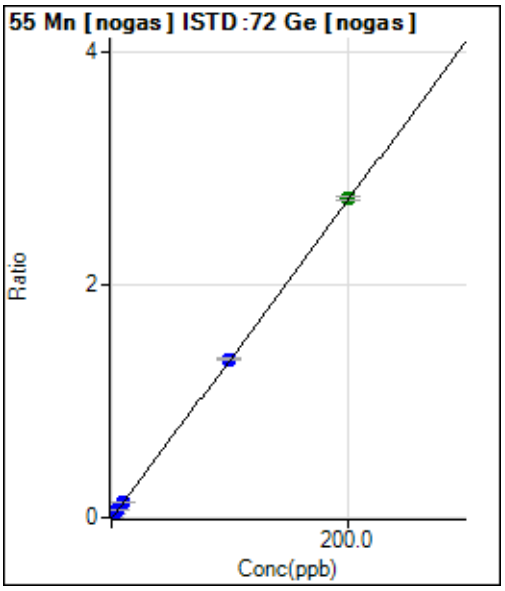


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1550.11	0.0024	P	10.6	
2	☐	2.000	2.087	3620.48	0.0055	P	4.9	4.4
3	☐	5.000	4.598	6138.02	0.0093	P	3.2	-8.0
4	☐	10.000	10.010	11311.10	0.0174	P	2.5	0.1
5	☐	100.000	98.603	98549.91	0.1501	P	0.6	-1.4
6	☐	200.000	200.707	195627.32	0.3030	P	1.7	0.4
7	☐	1.000						

y = 0.0015 * x + 0.0024
R = 1.0000
DL = 0.5006 ppb
BEC = 1.58 ppb

Weight: <None>
Min Conc: <None>

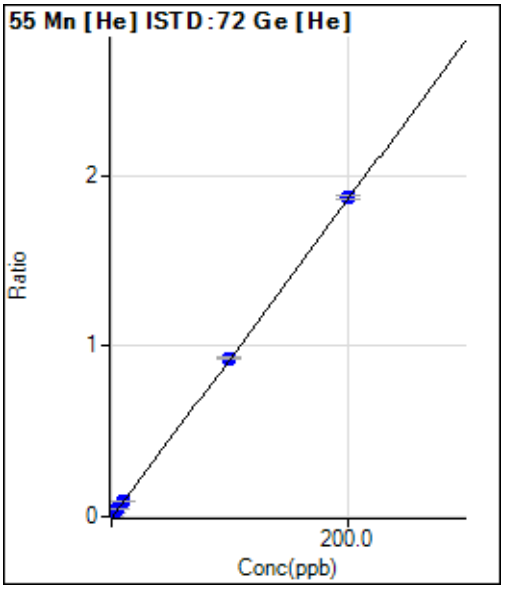
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8919.45	0.0039	P	3.2	
2	☐	2.000	1.875	69416.50	0.0295	P	2.5	-6.3
3	☐	5.000	4.814	164115.45	0.0697	P	1.1	-3.7
4	☐	10.000	9.796	324401.26	0.1379	P	0.1	-2.0
5	☐	100.000	99.227	3181598.29	1.3619	P	1.7	-0.8
6	☐	200.000	200.403	6358360.32	2.7466	A	1.5	0.2
7	☐	1.000						

y = 0.0137 * x + 0.0039
R = 1.0000
DL = 0.02723 ppb
BEC = 0.2816 ppb

Weight: <None>
Min Conc: <None>

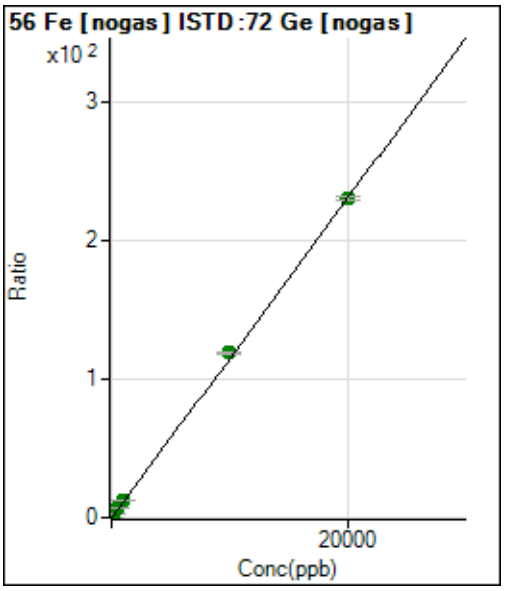


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	376.68	0.0006	P	6.3	
2	☐	2.000	1.904	12118.36	0.0184	P	2.6	-4.8
3	☐	5.000	4.922	30918.81	0.0466	P	3.7	-1.6
4	☐	10.000	9.909	60765.82	0.0933	P	2.0	-0.9
5	☐	100.000	99.185	609666.58	0.9283	P	1.2	-0.8
6	☐	200.000	200.415	1210779.12	1.8752	P	1.2	0.2
7	☐	1.000						

y = 0.0094 * x + 5.7505E-004
R = 1.0000
DL = 0.01171 ppb
BEC = 0.06148 ppb

Weight: <None>
Min Conc: <None>

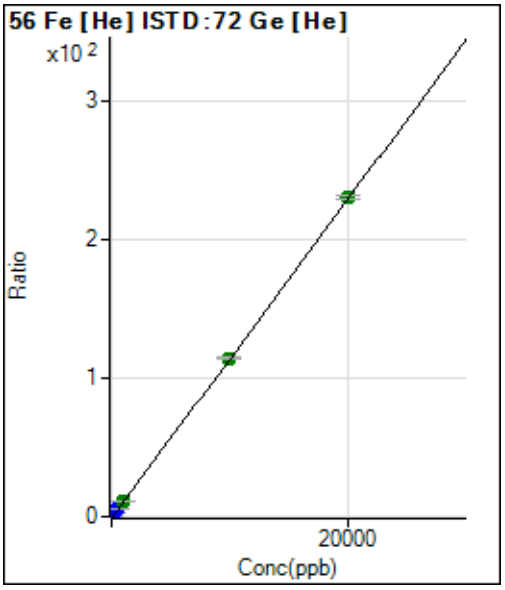
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1525381.85	0.6590	P	0.4	
2	☐	200.000	204.101	7106733.23	3.0204	A	0.6	2.1
3	☐	500.000	512.403	15502023.52	6.5874	A	1.8	2.5
4	☐	1000.000	1017.957	29245734.56	12.4366	A	2.1	1.8
5	☐	10000.00	10236.57	278200515.8	119.094	A	1.6	2.4
6	☐	20000.00	19880.46	534070738.7	230.673	A	1.3	-0.6
7	☐	100.000						

y = 0.0116 * x + 0.6590
R = 0.9999
DL = 0.748 ppb
BEC = 56.95 ppb

Weight: <None>
Min Conc: <None>

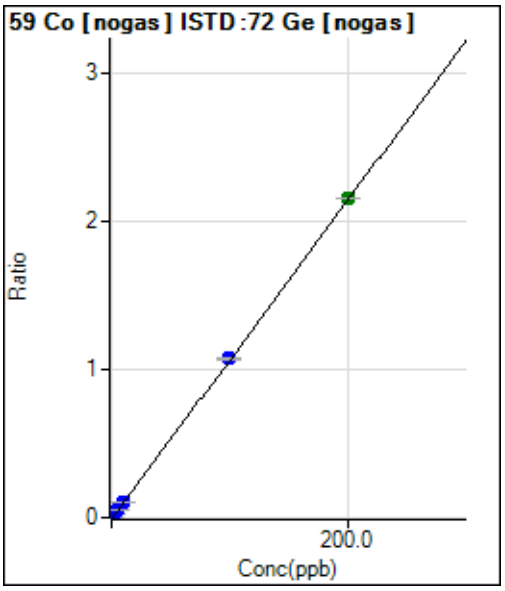


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18805.53	0.0287	P	4.7	
2	☐	200.000	185.069	1419958.26	2.1541	P	1.1	-7.5
3	☐	500.000	464.311	3555936.93	5.3610	P	0.8	-7.1
4	☐	1000.000	1007.349	7556239.68	11.5974	A	0.9	0.7
5	☐	10000.00	9946.591	75035348.88	114.258	A	1.6	-0.5
6	☐	20000.00	20027.37	148530261.1	230.029	A	0.7	0.1
7	☐	100.000						

y = 0.0115 * x + 0.0287
R = 1.0000
DL = 0.354 ppb
BEC = 2.5 ppb

Weight: <None>
Min Conc: <None>

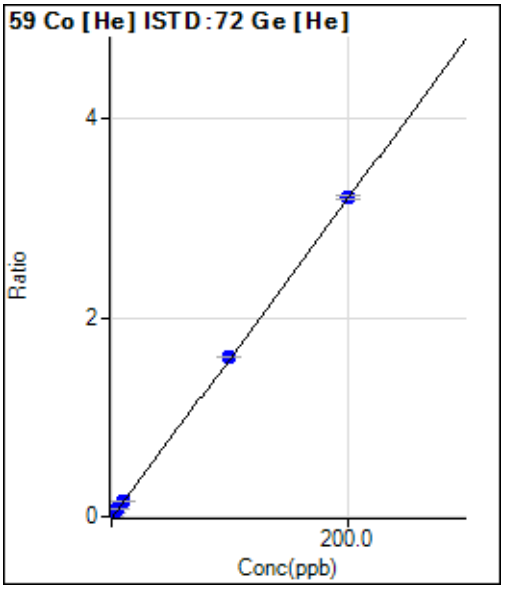
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	376.68	0.0002	P	12.4	
2	☐	2.000	1.966	50194.12	0.0213	P	1.4	-1.7
3	☐	5.000	4.918	125023.53	0.0531	P	1.1	-1.6
4	☐	10.000	10.010	253911.92	0.1080	P	1.1	0.1
5	☐	100.000	99.580	2505754.08	1.0726	P	1.1	-0.4
6	☐	200.000	200.212	4992206.28	2.1564	A	0.4	0.1
7	☐	1.000						

y = 0.0108 * x + 1.6293E-004
R = 1.0000
DL = 0.005637 ppb
BEC = 0.01513 ppb

Weight: <None>
Min Conc: <None>

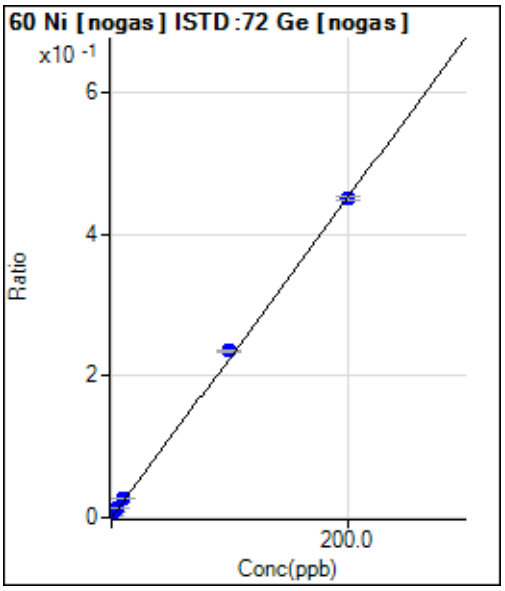


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	43.33	0.0001	P	57.2	
2	☐	2.000	1.938	20574.42	0.0312	P	3.5	-3.1
3	☐	5.000	4.951	52809.44	0.0796	P	2.1	-1.0
4	☐	10.000	10.078	105538.80	0.1620	P	2.2	0.8
5	☐	100.000	100.093	1056249.23	1.6083	P	0.8	0.1
6	☐	200.000	199.951	2074467.94	3.2127	P	1.2	0.0
7	☐	1.000						

y = 0.0161 * x + 6.5933E-005
R = 1.0000
DL = 0.007048 ppb
BEC = 0.004104 ppb

Weight: <None>
Min Conc: <None>

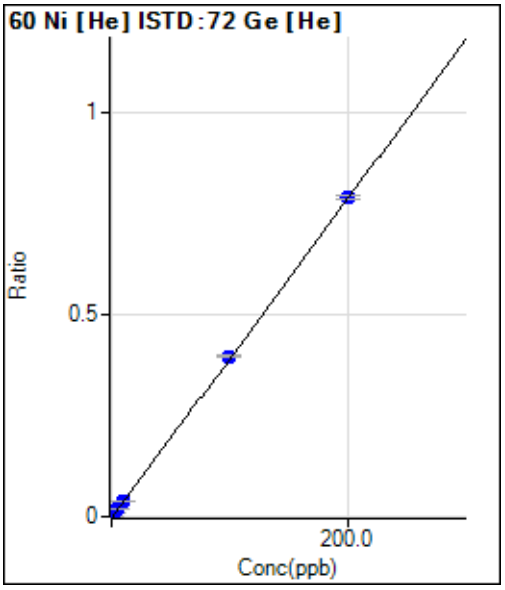
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4944.25	0.0021	P	0.2	
2	☐	2.000	2.091	16148.98	0.0069	P	1.2	4.5
3	☐	5.000	5.132	32345.07	0.0137	P	2.4	2.6
4	☐	10.000	10.605	61435.65	0.0261	P	0.1	6.1
5	☐	100.000	103.036	549368.93	0.2352	P	0.6	3.0
6	☐	200.000	198.448	1043947.90	0.4509	P	0.8	-0.8
7	☐	1.000						

y = 0.0023 * x + 0.0021
R = 0.9998
DL = 0.006702 ppb
BEC = 0.9444 ppb

Weight: <None>
Min Conc: <None>

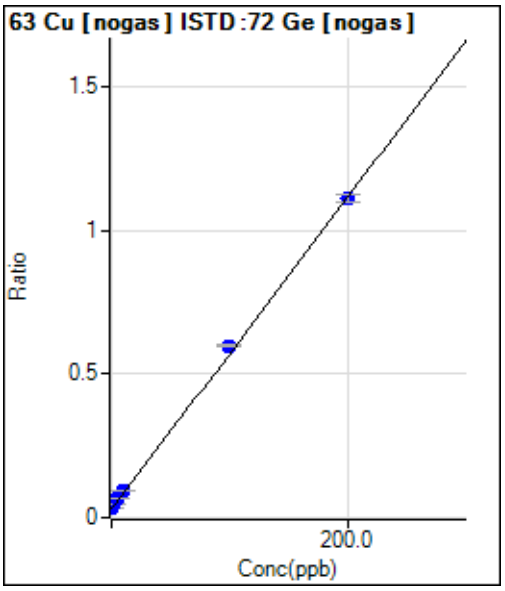


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	286.68	0.0004	P	18.0	
2	☐	2.000	1.927	5311.05	0.0081	P	6.2	-3.6
3	☐	5.000	4.961	13299.43	0.0200	P	1.0	-0.8
4	☐	10.000	10.095	26286.75	0.0403	P	0.5	0.9
5	☐	100.000	100.159	260326.51	0.3964	P	1.3	0.2
6	☐	200.000	199.918	510592.54	0.7908	P	1.6	0.0
7	☐	1.000						

y = 0.0040 * x + 4.3818E-004
R = 1.0000
DL = 0.05984 ppb
BEC = 0.1108 ppb

Weight: <None>
Min Conc: <None>

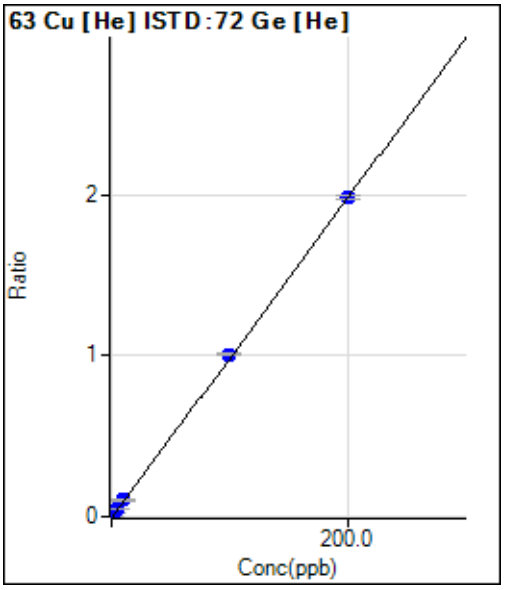
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80083.17	0.0346	P	1.7	
2	☐	2.000	2.345	111350.49	0.0473	P	0.4	17.2
3	☐	5.000	5.613	153191.70	0.0651	P	1.5	12.3
4	☐	10.000	11.228	224813.39	0.0956	P	1.4	12.3
5	☐	100.000	103.642	1396387.58	0.5977	P	1.0	3.6
6	☐	200.000	198.099	2571945.64	1.1109	P	2.0	-1.0
7	☐	1.000						

y = 0.0054 * x + 0.0346
R = 0.9998
DL = 0.3229 ppb
BEC = 6.366 ppb

Weight: <None>
Min Conc: <None>

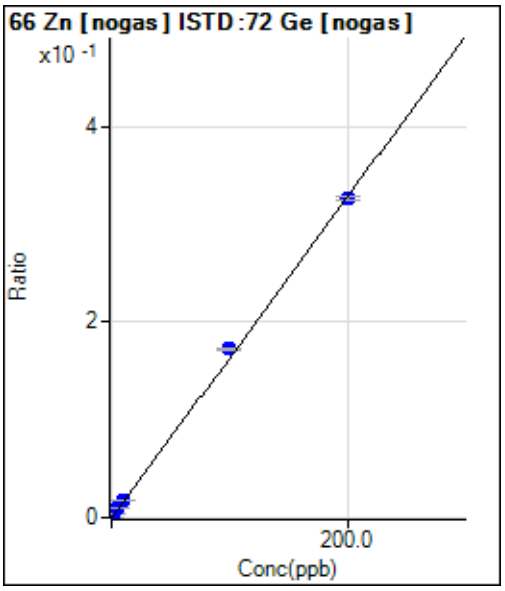


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	676.70	0.0010	P	27.5	
2	☐	2.000	2.071	14243.65	0.0216	P	1.5	3.5
3	☐	5.000	5.007	33681.44	0.0508	P	1.2	0.1
4	☐	10.000	10.164	66467.41	0.1020	P	1.5	1.6
5	☐	100.000	101.154	660663.82	1.0060	P	1.2	1.2
6	☐	200.000	199.414	1279929.43	1.9822	P	0.7	-0.3
7	☐	1.000						

y = 0.0099 * x + 0.0010
R = 1.0000
DL = 0.08597 ppb
BEC = 0.104 ppb

Weight: <None>
Min Conc: <None>

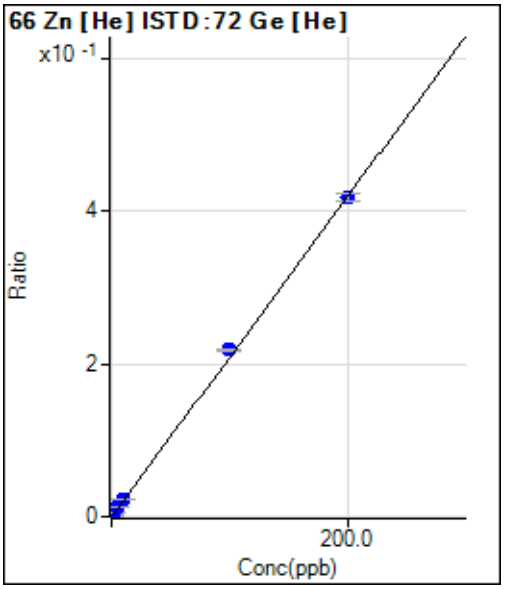
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2183.53	0.0009	P	3.4	
2	☐	2.000	2.074	10240.31	0.0044	P	6.1	3.7
3	☐	5.000	5.133	22089.96	0.0094	P	1.6	2.7
4	☐	10.000	10.345	42246.70	0.0180	P	2.6	3.5
5	☐	100.000	104.245	402718.41	0.1724	P	1.5	4.2
6	☐	200.000	197.856	755485.85	0.3263	P	0.9	-1.1
7	☐	1.000						

y = 0.0016 * x + 9.4306E-004
R = 0.9997
DL = 0.05822 ppb
BEC = 0.5734 ppb

Weight: <None>
Min Conc: <None>

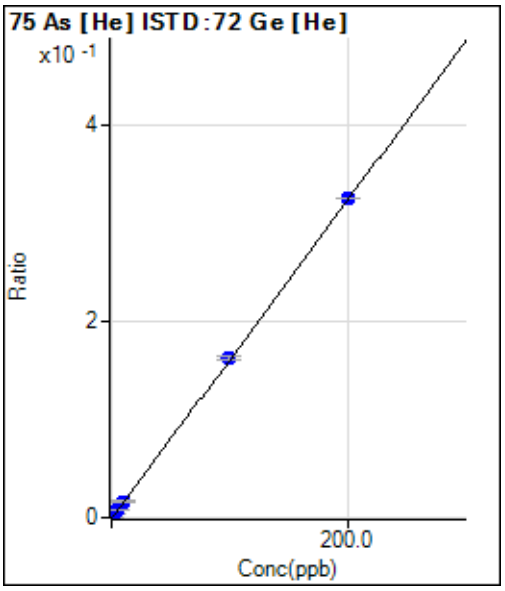


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	846.71	0.0013	P	9.7	
2	☐	2.000	1.870	3440.46	0.0052	P	0.4	-6.5
3	☐	5.000	5.067	7915.57	0.0119	P	2.0	1.3
4	☐	10.000	10.317	14957.68	0.0230	P	3.7	3.2
5	☐	100.000	103.198	143200.51	0.2180	P	1.9	3.2
6	☐	200.000	198.385	269815.98	0.4179	P	1.9	-0.8
7	☐	1.000						

y = 0.0021 * x + 0.0013
R = 0.9998
DL = 0.1792 ppb
BEC = 0.6153 ppb

Weight: <None>
Min Conc: <None>

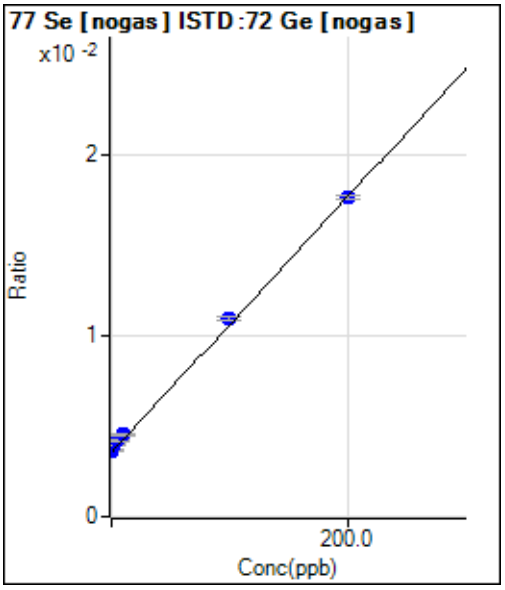
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	233.34	0.0004	P	17.3	
2	☐	2.000	1.937	2311.30	0.0035	P	5.5	-3.2
3	☐	5.000	4.802	5415.46	0.0082	P	2.3	-4.0
4	☐	10.000	9.941	10766.16	0.0165	P	4.2	-0.6
5	☐	100.000	99.771	106778.77	0.1626	P	1.7	-0.2
6	☐	200.000	200.123	210365.34	0.3258	P	0.4	0.1
7	☐	1.000						

y = 0.0016 * x + 3.5664E-004
R = 1.0000
DL = 0.1141 ppb
BEC = 0.2193 ppb

Weight: <None>
Min Conc: <None>

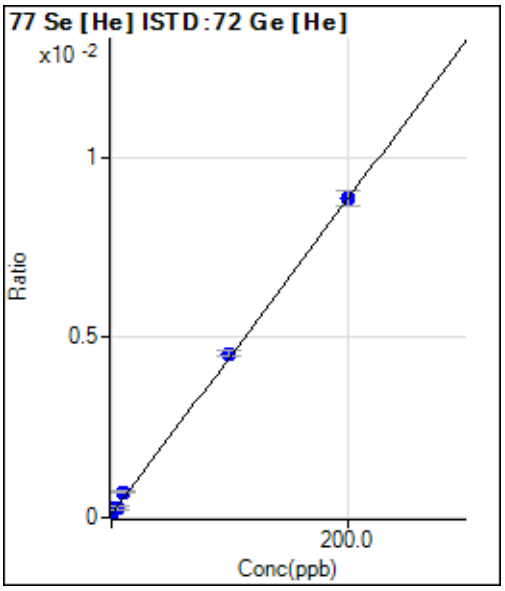


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8445.87	0.0036	P	2.8	
2	☐	2.000	4.320	9299.74	0.0040	P	2.1	116.0
3	☐	5.000	8.134	9936.82	0.0042	P	1.9	62.7
4	☐	10.000	12.713	10690.68	0.0045	P	1.8	27.1
5	☐	100.000	103.076	25502.17	0.0109	P	2.1	3.1
6	☐	200.000	198.225	40809.69	0.0176	P	1.5	-0.9
7	☐	1.000						

y = 7.0520E-005 * x + 0.0036
R = 0.9998
DL = 4.378 ppb
BEC = 51.73 ppb

Weight: <None>
Min Conc: <None>

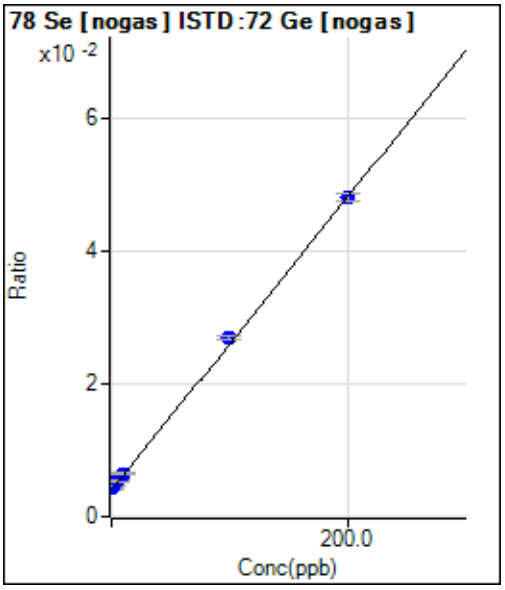
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86.67	0.0001	P	23.1	
2	☐	2.000	3.673	193.34	0.0003	P	11.8	83.7
3	☐	5.000	3.070	176.67	0.0003	P	32.0	-38.6
4	☐	10.000	13.202	463.35	0.0007	P	4.9	32.0
5	☐	100.000	101.040	2997.03	0.0046	P	4.3	1.0
6	☐	200.000	199.351	5731.20	0.0089	P	4.5	-0.3
7	☐	1.000						

y = 4.3865E-005 * x + 1.3214E-004
R = 0.9998
DL = 2.084 ppb
BEC = 3.012 ppb

Weight: <None>
Min Conc: <None>

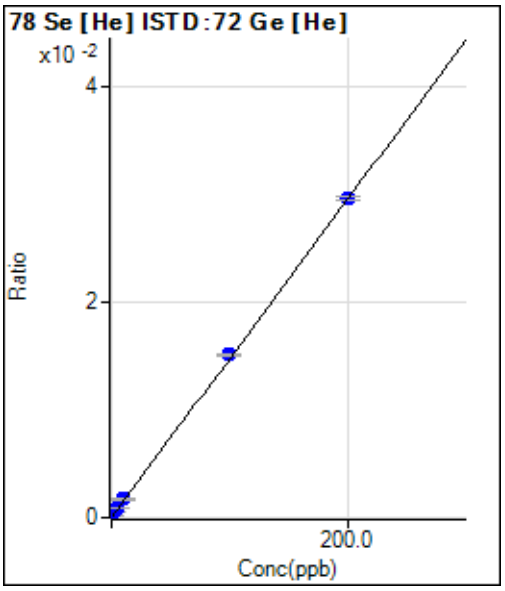


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9843.41	0.0043	P	3.6	
2	☐	2.000	1.878	10980.88	0.0047	P	3.6	-6.1
3	☐	5.000	5.244	12739.03	0.0054	P	1.8	4.9
4	☐	10.000	10.260	15334.82	0.0065	P	3.7	2.6
5	☐	100.000	102.728	62970.19	0.0270	P	1.9	2.7
6	☐	200.000	198.618	111436.32	0.0481	P	2.9	-0.7
7	☐	1.000						

y = 2.2095E-004 * x + 0.0043
R = 0.9999
DL = 2.089 ppb
BEC = 19.25 ppb

Weight: <None>
Min Conc: <None>

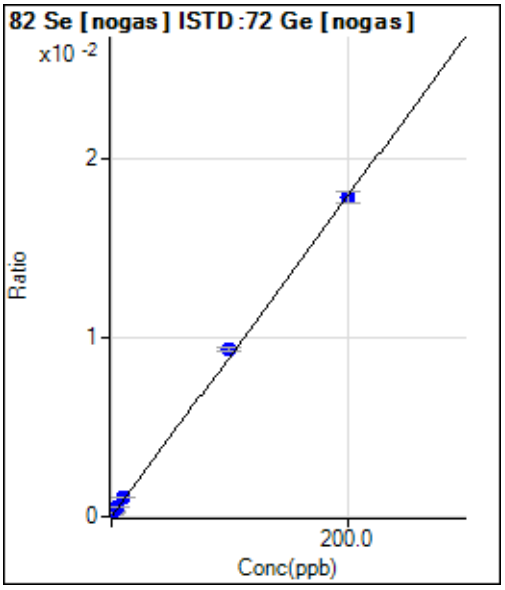
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	113.33	0.0002	P	14.5	
2	☐	2.000	2.058	314.67	0.0005	P	4.7	2.9
3	☐	5.000	5.230	628.02	0.0009	P	4.8	4.6
4	☐	10.000	10.349	1110.04	0.0017	P	4.5	3.5
5	☐	100.000	101.032	9926.00	0.0151	P	1.9	1.0
6	☐	200.000	199.460	19159.69	0.0297	P	1.1	-0.3
7	☐	1.000						

y = 1.4790E-004 * x + 1.7306E-004
R = 1.0000
DL = 0.5076 ppb
BEC = 1.17 ppb

Weight: <None>
Min Conc: <None>

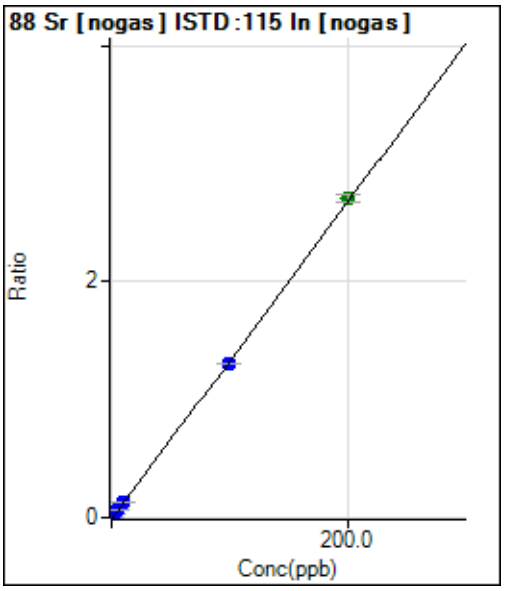


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	223.34	0.0001	P	9.5	
2	☐	2.000	2.037	656.69	0.0003	P	14.5	1.9
3	☐	5.000	5.254	1333.42	0.0006	P	6.4	5.1
4	☐	10.000	10.980	2536.93	0.0011	P	8.3	9.8
5	☐	100.000	103.457	21839.77	0.0093	P	2.2	3.5
6	☐	200.000	198.216	41264.61	0.0178	P	3.6	-0.9
7	☐	1.000						

y = 8.9438E-005 * x + 9.6438E-005
R = 0.9998
DL = 0.3077 ppb
BEC = 1.078 ppb

Weight: <None>
Min Conc: <None>

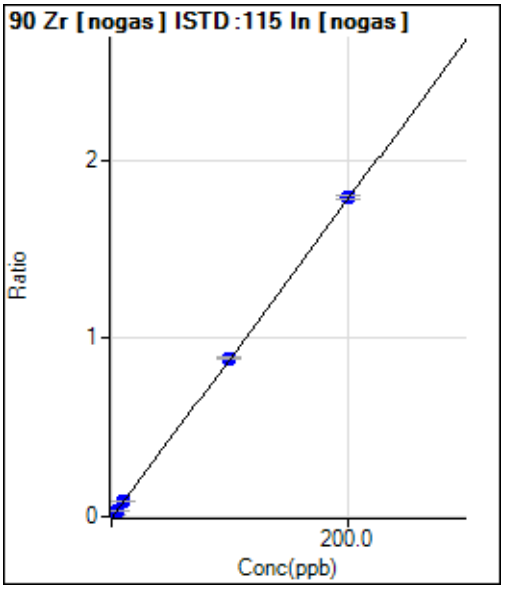
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	806.71	0.0003	P	22.2	
2	☐	2.000	1.861	60447.54	0.0254	P	0.8	-6.9
3	☐	5.000	4.633	149620.01	0.0627	P	1.1	-7.3
4	☐	10.000	9.541	303050.26	0.1287	P	0.7	-4.6
5	☐	100.000	97.428	3042370.99	1.3108	P	0.2	-2.6
6	☐	200.000	201.319	6141581.57	2.7082	A	2.2	0.7
7	☐	1.000						

y = 0.0135 * x + 3.4113E-004
R = 0.9999
DL = 0.01693 ppb
BEC = 0.02536 ppb

Weight: <None>
Min Conc: <None>

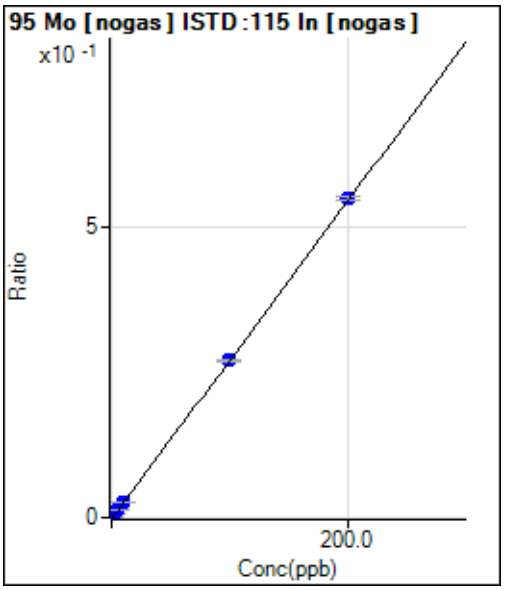


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1633.45	0.0007	P	12.6	
2	☐	2.000	1.447	32436.04	0.0136	P	1.5	-27.7
3	☐	5.000	4.098	89092.45	0.0373	P	1.2	-18.0
4	☐	10.000	9.190	195121.58	0.0828	P	1.7	-8.1
5	☐	100.000	99.425	2064131.48	0.8893	P	0.6	-0.6
6	☐	200.000	200.356	4063258.69	1.7914	P	0.9	0.2
7	☐	1.000						

y = 0.0089 * x + 6.9074E-004
R = 1.0000
DL = 0.02924 ppb
BEC = 0.07729 ppb

Weight: <None>
Min Conc: <None>

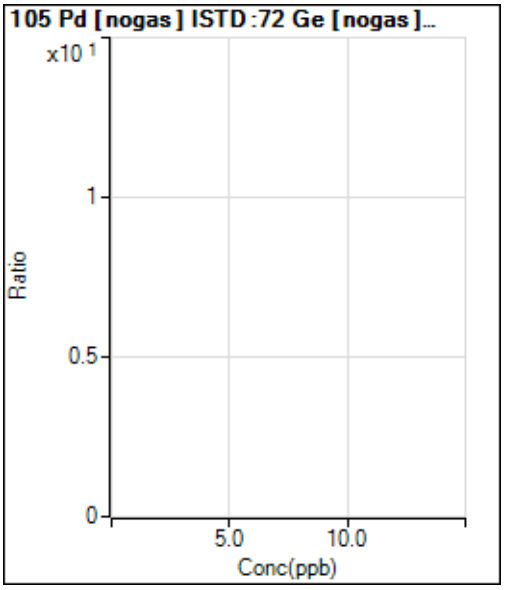
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	253.34	0.0001	P	4.6	
2	☐	2.000	1.882	12505.49	0.0052	P	2.7	-5.9
3	☐	5.000	4.637	30495.45	0.0128	P	1.6	-7.3
4	☐	10.000	9.533	61589.35	0.0261	P	2.8	-4.7
5	☐	100.000	98.770	626423.52	0.2699	P	1.5	-1.2
6	☐	200.000	200.649	1243320.58	0.5481	P	1.6	0.3
7	☐	1.000						

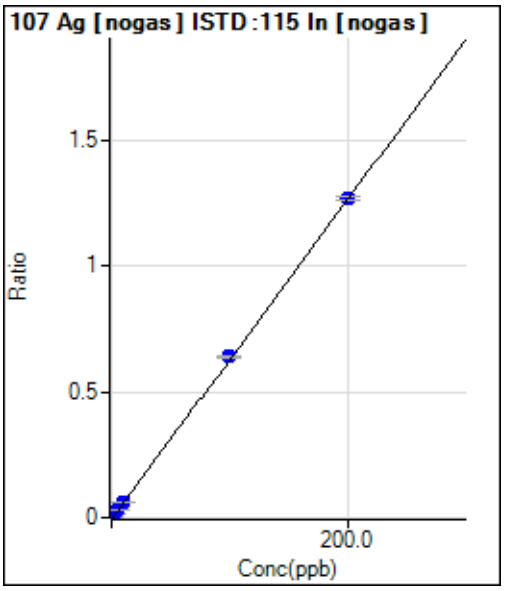
y = 0.0027 * x + 1.0713E-004
R = 1.0000
DL = 0.0054 ppb
BEC = 0.03922 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

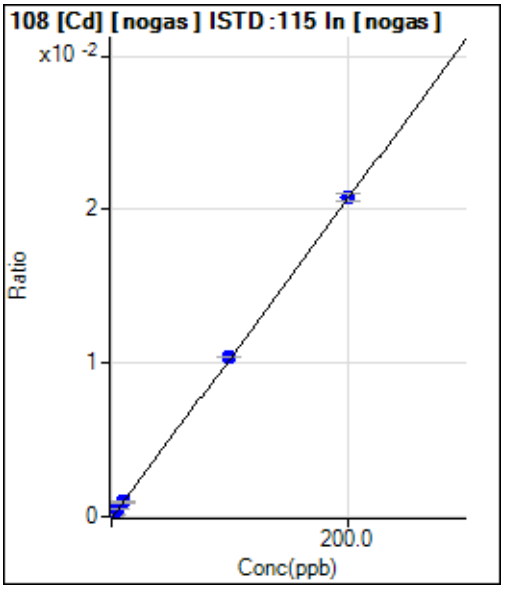
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	140.00	0.0001	P	35.7	
2	☐	2.000	1.942	29603.63	0.0124	P	1.7	-2.9
3	☐	5.000	4.855	73957.85	0.0310	P	0.7	-2.9
4	☐	10.000	9.991	149993.36	0.0637	P	1.1	-0.1
5	☐	100.000	100.722	1489013.26	0.6415	P	0.9	0.7
6	☐	200.000	199.644	2883711.94	1.2715	P	1.7	-0.2
7	☐	1.000						

y = 0.0064 * x + 5.9199E-005
R = 1.0000
DL = 0.009956 ppb
BEC = 0.009296 ppb

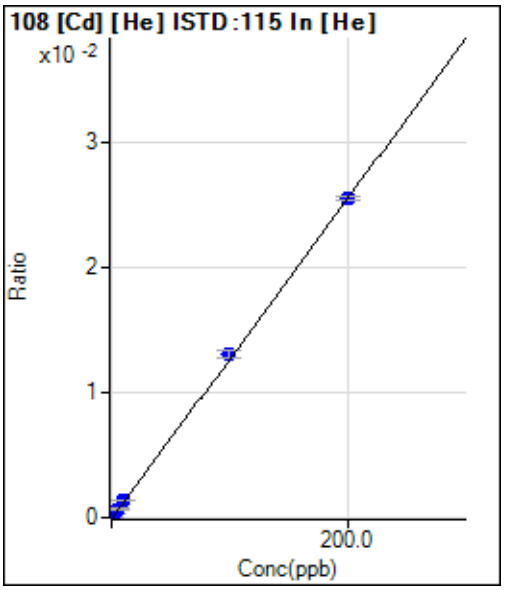
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0000	P	86.6	
2	☐	2.000	1.642	413.35	0.0002	P	2.4	-17.9
3	☐	5.000	4.577	1143.40	0.0005	P	3.5	-8.5
4	☐	10.000	9.054	2223.55	0.0009	P	5.6	-9.5
5	☐	100.000	100.032	24147.00	0.0104	P	0.9	0.0
6	☐	200.000	200.046	47177.01	0.0208	P	2.0	0.0
7	☐	1.000						

y = 1.0398E-004 * x + 2.8180E-006
R = 1.0000
DL = 0.07041 ppb
BEC = 0.0271 ppb

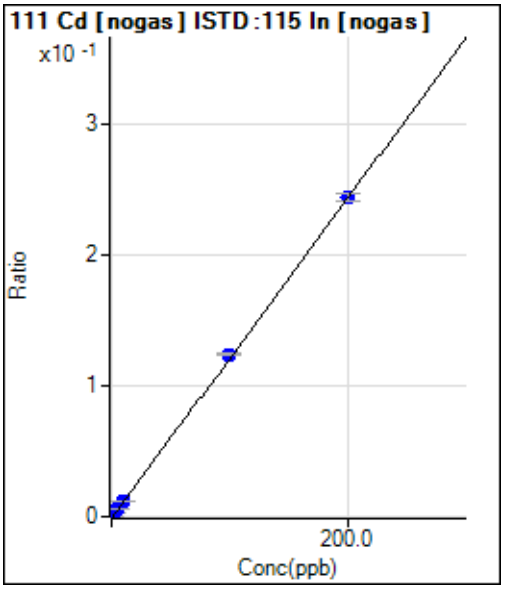
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0000	P	173.2	
2	☐	2.000	2.039	233.34	0.0003	P	10.5	2.0
3	☐	5.000	5.068	570.02	0.0007	P	14.1	1.4
4	☐	10.000	10.726	1176.74	0.0014	P	10.5	7.3
5	☐	100.000	101.861	10944.31	0.0131	P	4.8	1.9
6	☐	200.000	199.031	20858.60	0.0256	P	0.8	-0.5
7	☐	1.000						

y = 1.2853E-004 * x + 7.7915E-006
R = 0.9999
DL = 0.315 ppb
BEC = 0.06062 ppb

Weight: <None>
Min Conc: <None>

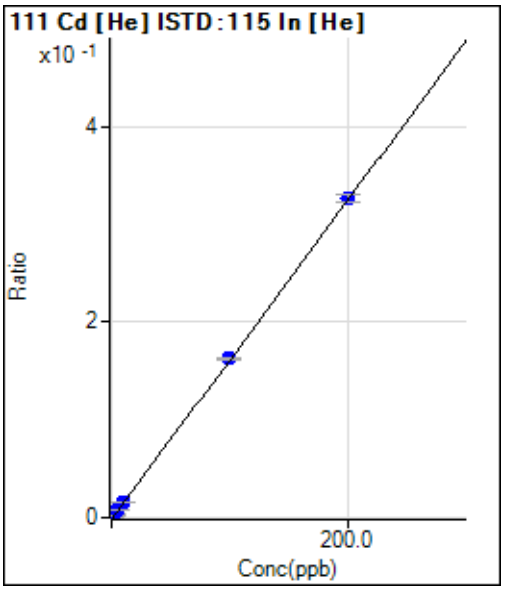


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-7.15	0.0000	P	-86.6	
2	☐	2.000	2.022	5891.31	0.0025	P	3.6	1.1
3	☐	5.000	4.855	14191.57	0.0059	P	0.2	-2.9
4	☐	10.000	9.582	27632.10	0.0117	P	2.0	-4.2
5	☐	100.000	101.107	287470.67	0.1238	P	1.0	1.1
6	☐	200.000	199.471	554300.77	0.2443	P	2.2	-0.3
7	☐	1.000						

y = 0.0012 * x - 3.0237E-006
R = 1.0000
DL = 0.006413 ppb
BEC = -0.002468 ppb

Weight: <None>
Min Conc: <None>

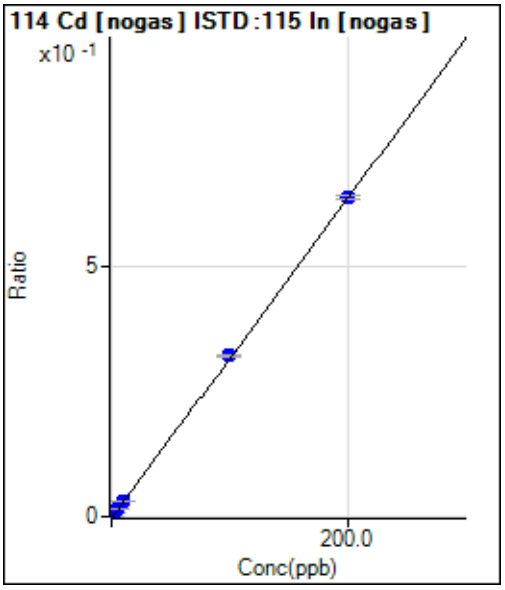
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-3.82	0.0000	P	-415.	
2	☐	2.000	1.877	2649.98	0.0031	P	11.8	-6.2
3	☐	5.000	4.790	6757.04	0.0078	P	1.6	-4.2
4	☐	10.000	9.579	13261.48	0.0156	P	4.7	-4.2
5	☐	100.000	99.608	135824.40	0.1625	P	1.1	-0.4
6	☐	200.000	200.223	266266.53	0.3267	P	2.1	0.1
7	☐	1.000						

y = 0.0016 * x - 4.5081E-006
R = 1.0000
DL = 0.03444 ppb
BEC = -0.002763 ppb

Weight: <None>
Min Conc: <None>

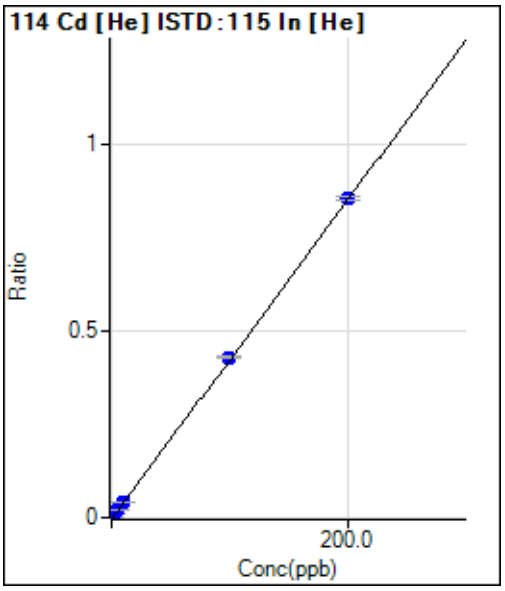


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	56.67	0.0000	P	50.9	
2	☐	2.000	1.955	14901.27	0.0063	P	4.8	-2.3
3	☐	5.000	4.923	37518.93	0.0157	P	0.6	-1.5
4	☐	10.000	9.918	74507.78	0.0316	P	1.7	-0.8
5	☐	100.000	100.877	746369.49	0.3216	P	1.0	0.9
6	☐	200.000	199.568	1443027.32	0.6361	P	1.2	-0.2
7	☐	1.000						

y = 0.0032 * x + 2.3959E-005
R = 1.0000
DL = 0.01148 ppb
BEC = 0.007517 ppb

Weight: <None>
Min Conc: <None>

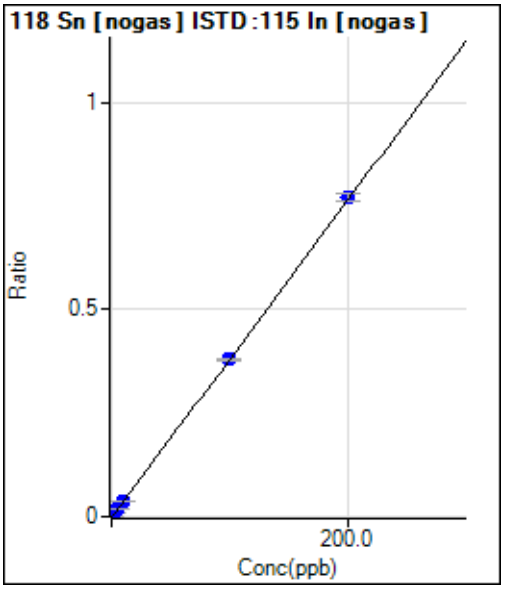
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	24.0	
2	☐	2.000	1.900	7055.19	0.0082	P	5.3	-5.0
3	☐	5.000	4.760	17627.74	0.0204	P	2.9	-4.8
4	☐	10.000	9.612	34905.74	0.0411	P	1.2	-3.9
5	☐	100.000	100.116	357766.67	0.4281	P	1.0	0.1
6	☐	200.000	199.969	696928.45	0.8550	P	1.1	0.0
7	☐	1.000						

y = 0.0043 * x + 2.6976E-005
R = 1.0000
DL = 0.004536 ppb
BEC = 0.006309 ppb

Weight: <None>
Min Conc: <None>

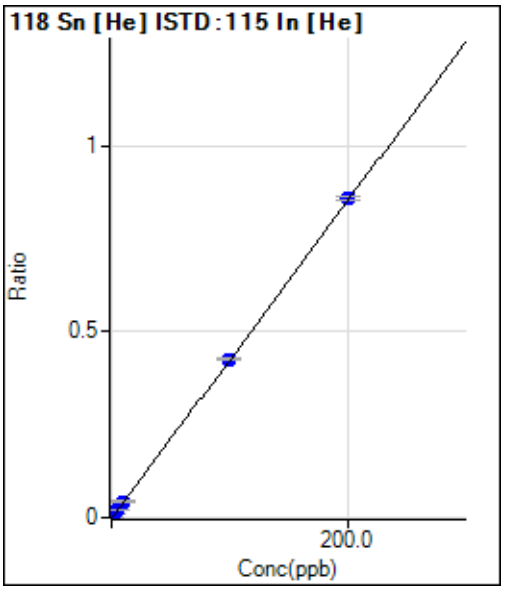


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2850.32	0.0012	P	2.2	
2	☐	2.000	1.786	19203.03	0.0081	P	3.3	-10.7
3	☐	5.000	4.575	44816.53	0.0188	P	1.2	-8.5
4	☐	10.000	9.591	89574.32	0.0380	P	1.3	-4.1
5	☐	100.000	98.540	880889.62	0.3795	P	0.8	-1.5
6	☐	200.000	200.763	1751024.30	0.7719	P	1.9	0.4
7	☐	1.000						

y = 0.0038 * x + 0.0012
R = 1.0000
DL = 0.02034 ppb
BEC = 0.3139 ppb

Weight: <None>
Min Conc: <None>

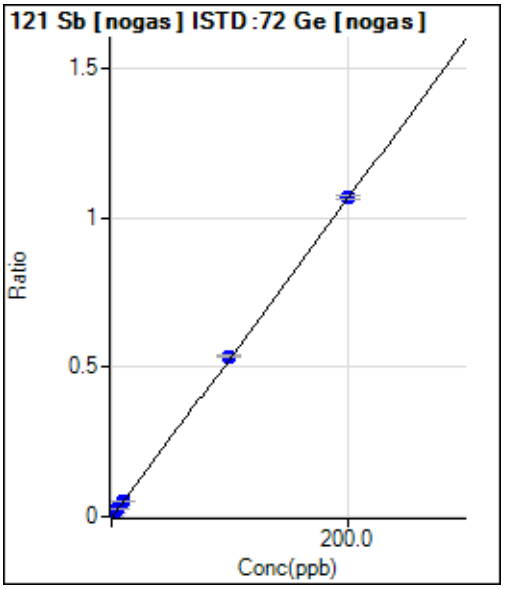
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1276.75	0.0015	P	14.8	
2	☐	2.000	1.799	7938.98	0.0092	P	4.5	-10.0
3	☐	5.000	4.629	18391.96	0.0213	P	2.8	-7.4
4	☐	10.000	9.783	36750.46	0.0433	P	3.3	-2.2
5	☐	100.000	99.059	355107.51	0.4249	P	1.1	-0.9
6	☐	200.000	200.493	699740.30	0.8585	P	1.5	0.2
7	☐	1.000						

y = 0.0043 * x + 0.0015
R = 1.0000
DL = 0.1534 ppb
BEC = 0.3459 ppb

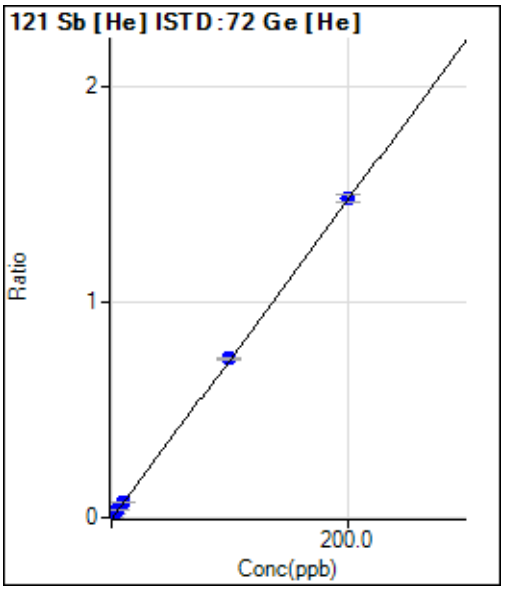
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1370.09	0.0006	P	10.3	
2	☐	2.000	1.896	25222.38	0.0107	P	1.0	-5.2
3	☐	5.000	4.786	61581.22	0.0262	P	1.5	-4.3
4	☐	10.000	9.706	123364.78	0.0524	P	0.4	-2.9
5	☐	100.000	100.385	1254319.31	0.5369	P	1.5	0.4
6	☐	200.000	199.829	2472995.33	1.0682	P	1.5	-0.1
7	☐	1.000						

y = 0.0053 * x + 5.9244E-004
R = 1.0000
DL = 0.03425 ppb
BEC = 0.1109 ppb

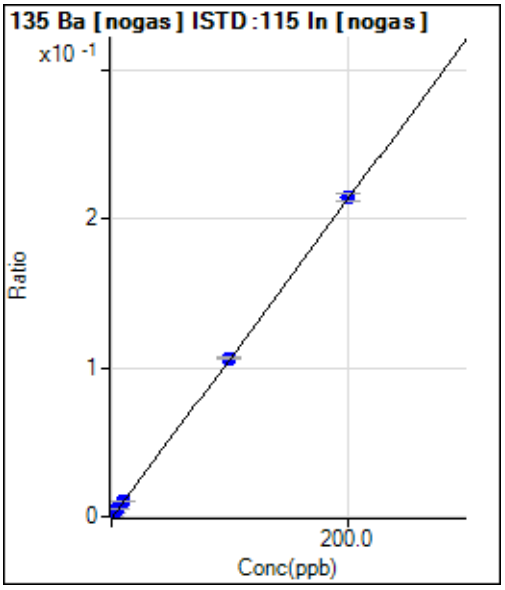
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	573.36	0.0009	P	13.9	
2	☐	2.000	1.919	9943.64	0.0151	P	0.7	-4.1
3	☐	5.000	4.858	24447.73	0.0369	P	2.5	-2.8
4	☐	10.000	9.861	48154.08	0.0739	P	1.1	-1.4
5	☐	100.000	99.699	485493.56	0.7393	P	1.2	-0.3
6	☐	200.000	200.162	957711.50	1.4833	P	1.8	0.1
7	☐	1.000						

y = 0.0074 * x + 8.7601E-004
R = 1.0000
DL = 0.04917 ppb
BEC = 0.1183 ppb

Weight: <None>
Min Conc: <None>

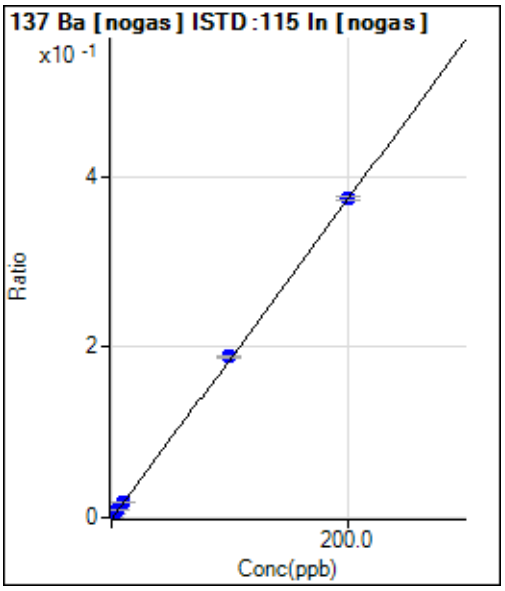


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	100.00	0.0000	P	20.1	
2	☐	2.000	1.866	4864.26	0.0020	P	8.6	-6.7
3	☐	5.000	4.729	12205.43	0.0051	P	1.8	-5.4
4	☐	10.000	9.699	24594.92	0.0104	P	1.3	-3.0
5	☐	100.000	99.428	247541.87	0.1066	P	1.2	-0.6
6	☐	200.000	200.309	487123.72	0.2148	P	2.6	0.2
7	☐	1.000						

y = 0.0011 * x + 4.2288E-005
R = 1.0000
DL = 0.02373 ppb
BEC = 0.03944 ppb

Weight: <None>
Min Conc: <None>

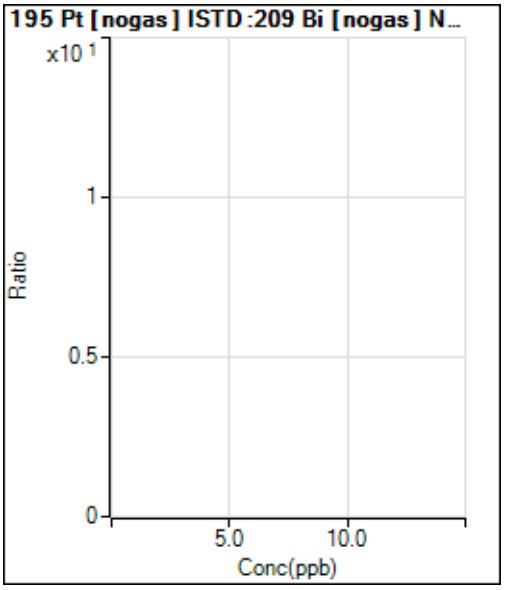
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	100.00	0.0000	P	26.5	
2	☐	2.000	1.986	8986.35	0.0038	P	3.3	-0.7
3	☐	5.000	4.679	21085.80	0.0088	P	1.9	-6.4
4	☐	10.000	9.598	42570.49	0.0181	P	2.5	-4.0
5	☐	100.000	100.838	439697.99	0.1895	P	1.0	0.8
6	☐	200.000	199.609	850536.76	0.3750	P	1.8	-0.2
7	☐	1.000						

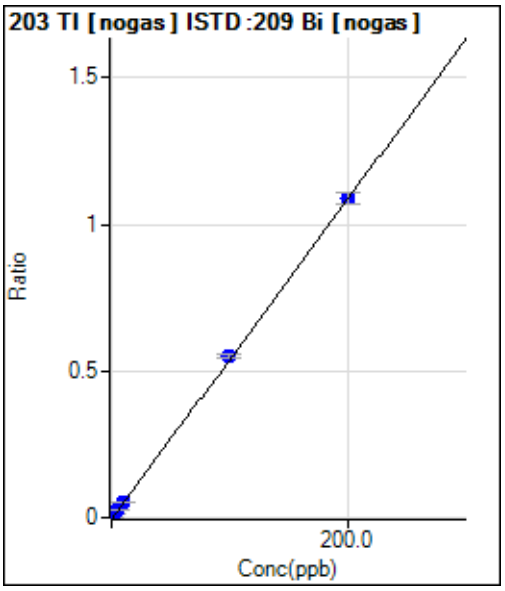
y = 0.0019 * x + 4.2288E-005
R = 1.0000
DL = 0.01789 ppb
BEC = 0.02251 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

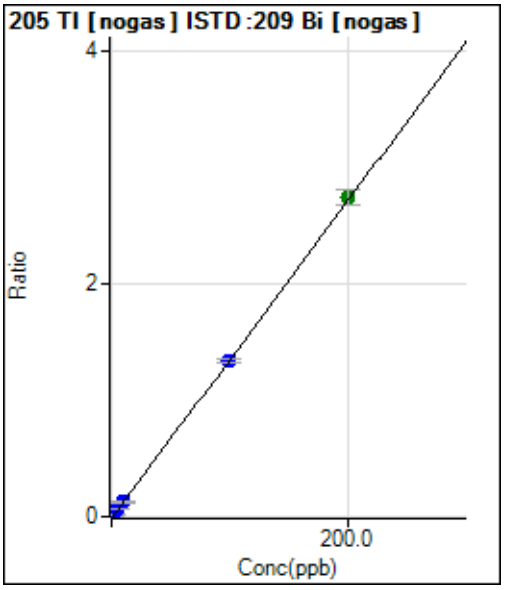
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	30.00	0.0000	P	34.1	
2	☐	2.000	1.856	18976.83	0.0101	P	4.5	-7.2
3	☐	5.000	4.791	48392.64	0.0262	P	2.1	-4.2
4	☐	10.000	9.582	96546.72	0.0523	P	2.8	-4.2
5	☐	100.000	101.090	998933.97	0.5519	P	3.1	1.1
6	☐	200.000	199.482	1916018.88	1.0891	P	3.3	-0.3
7	☐	1.000						

y = 0.0055 * x + 1.6261E-005
R = 1.0000
DL = 0.003043 ppb
BEC = 0.002979 ppb

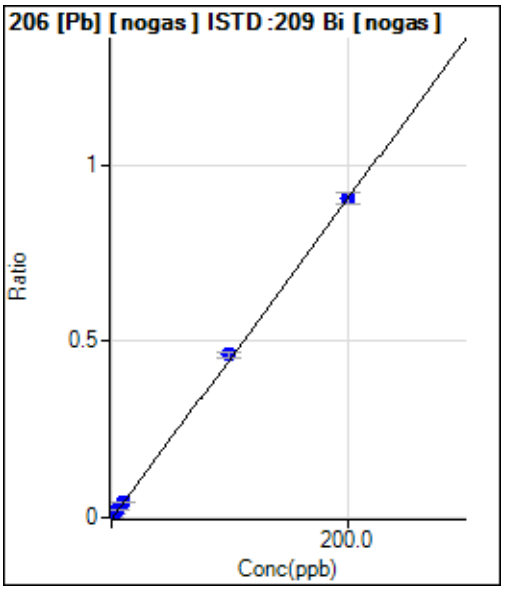
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86.67	0.0000	P	47.6	
2	☐	2.000	1.778	45489.26	0.0243	P	4.0	-11.1
3	☐	5.000	4.625	116871.34	0.0632	P	2.0	-7.5
4	☐	10.000	9.192	231716.40	0.1256	P	2.4	-8.1
5	☐	100.000	97.711	2415622.98	1.3345	P	2.7	-2.3
6	☐	200.000	201.196	4833782.85	2.7477	A	4.4	0.6
7	☐	1.000						

y = 0.0137 * x + 4.7175E-005
R = 0.9999
DL = 0.004932 ppb
BEC = 0.003454 ppb

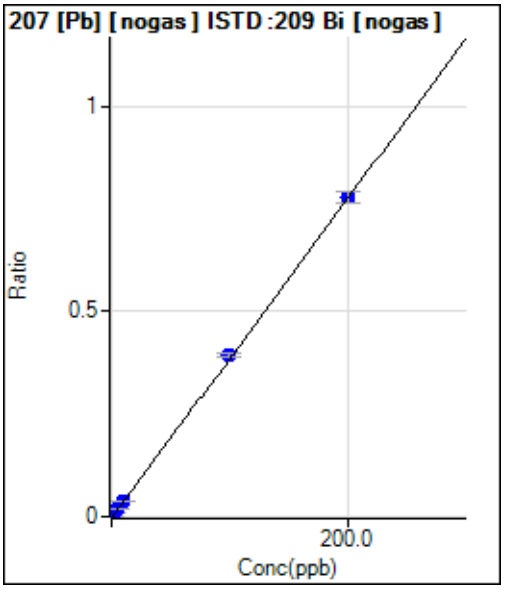
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	256.67	0.0001	P	29.4	
2	☐	2.000	1.968	16987.49	0.0091	P	3.6	-1.6
3	☐	5.000	4.731	40015.74	0.0216	P	2.2	-5.4
4	☐	10.000	9.680	81443.16	0.0441	P	2.1	-3.2
5	☐	100.000	101.458	835041.08	0.4613	P	2.6	1.5
6	☐	200.000	199.294	1593915.44	0.9060	P	3.5	-0.4
7	☐	1.000						

y = 0.0045 * x + 1.3876E-004
R = 1.0000
DL = 0.02695 ppb
BEC = 0.03053 ppb

Weight: <None>
Min Conc: <None>

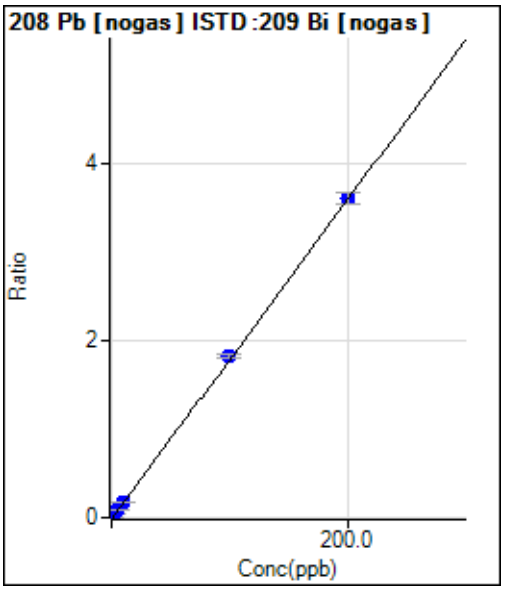


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	210.01	0.0001	P	18.9	
2	☐	2.000	1.936	14324.40	0.0077	P	4.7	-3.2
3	☐	5.000	4.786	34691.27	0.0188	P	3.8	-4.3
4	☐	10.000	9.761	70402.18	0.0382	P	3.5	-2.4
5	☐	100.000	100.671	710484.75	0.3925	P	2.7	0.7
6	☐	200.000	199.682	1369525.50	0.7784	P	3.2	-0.2
7	☐	1.000						

y = 0.0039 * x + 1.1368E-004
R = 1.0000
DL = 0.01654 ppb
BEC = 0.02916 ppb

Weight: <None>
Min Conc: <None>

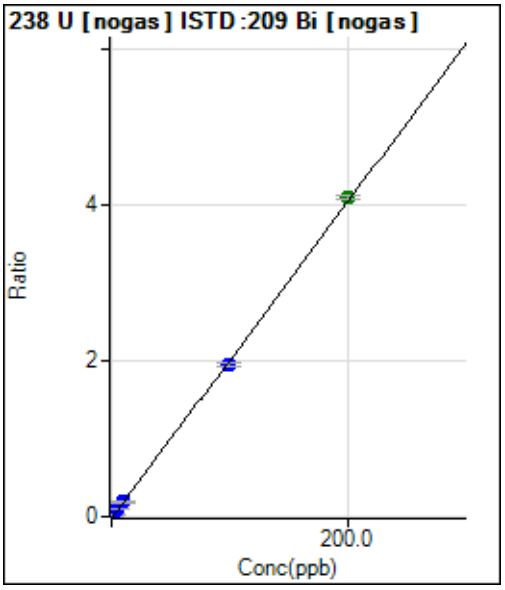
Calibration for 163_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1020.04	0.0006	P	5.1	
2	☐	2.000	1.909	65521.92	0.0350	P	2.8	-4.6
3	☐	5.000	4.786	160878.50	0.0870	P	2.4	-4.3
4	☐	10.000	9.690	323997.06	0.1756	P	3.4	-3.1
5	☐	100.000	100.762	3296220.49	1.8209	P	2.7	0.8
6	☐	200.000	199.641	6346470.37	3.6073	P	3.2	-0.2
7	☐	1.000						

y = 0.0181 * x + 5.5219E-004
R = 1.0000
DL = 0.004707 ppb
BEC = 0.03056 ppb

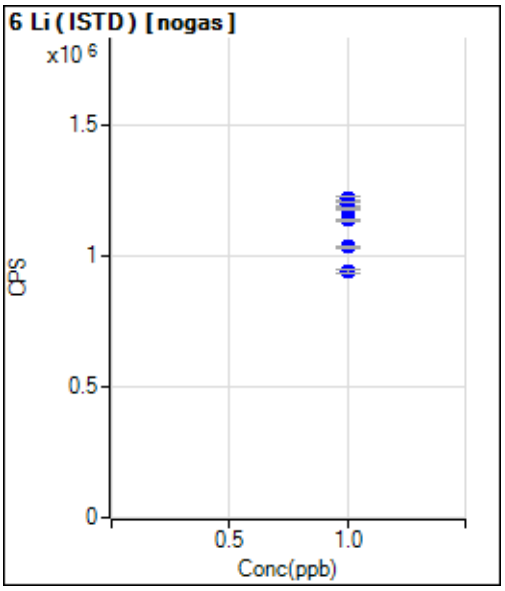
Weight: <None>
Min Conc: <None>



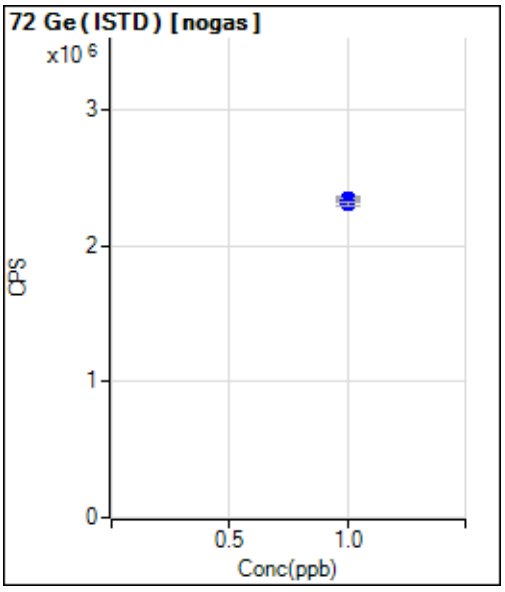
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	276.68	0.0001	P	23.3	
2	☐	2.000	1.781	67822.15	0.0363	P	3.5	-11.0
3	☐	5.000	4.524	169919.66	0.0919	P	3.8	-9.5
4	☐	10.000	9.140	342372.89	0.1856	P	3.0	-8.6
5	☐	100.000	96.496	3543972.24	1.9578	P	2.6	-3.5
6	☐	200.000	201.809	7204271.56	4.0942	A	1.5	0.9
7	☐	1.000						

y = 0.0203 * x + 1.4973E-004
R = 0.9998
DL = 0.005169 ppb
BEC = 0.007381 ppb

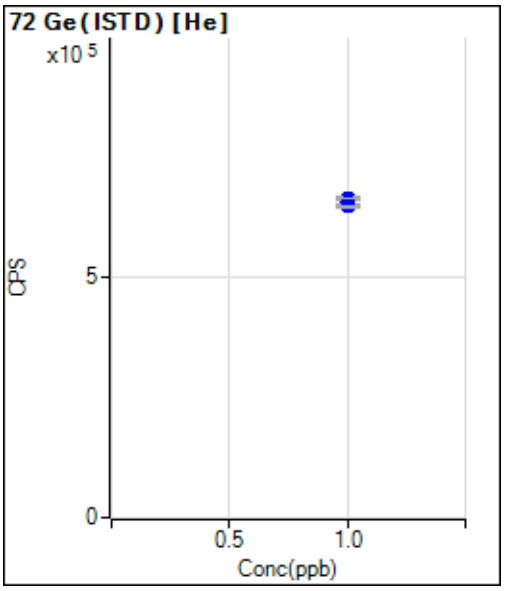
Weight: <None>
Min Conc: <None>



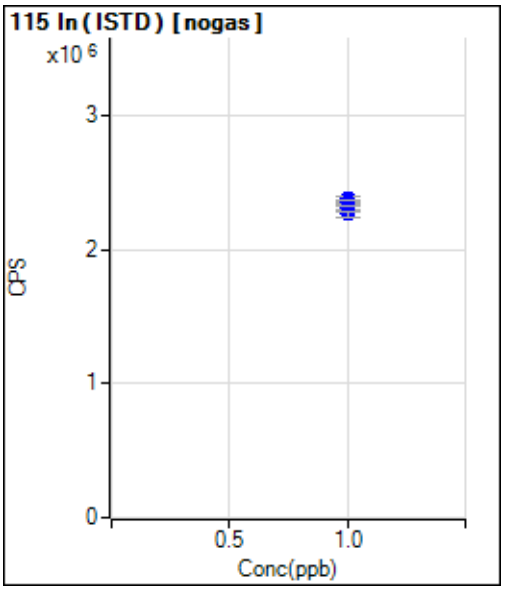
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1222655.60		P	0.6	
2	☐	1.000		1198022.12		P	1.2	
3	☐	1.000		1181694.56		P	0.8	
4	☐	1.000		1140923.92		P	0.8	
5	☐	1.000		1037009.49		P	0.4	
6	☐	1.000		940710.47		P	1.8	
7	☐	1.000						



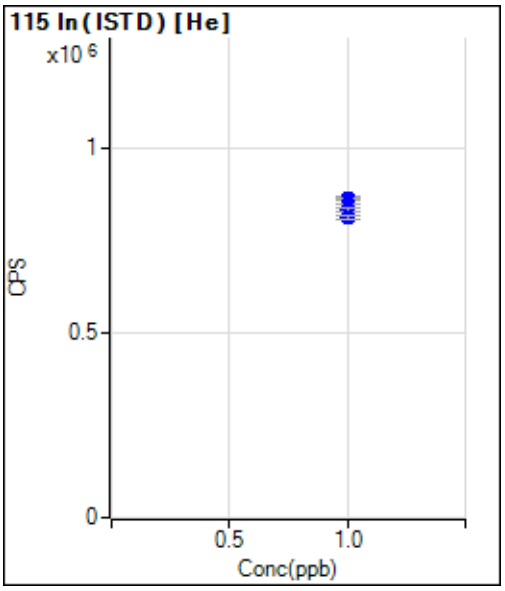
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2314946.68		P	1.7	
2	☐	1.000		2352838.04		P	1.7	
3	☐	1.000		2353536.68		P	0.9	
4	☐	1.000		2352096.37		P	1.6	
5	☐	1.000		2336154.65		P	0.9	
6	☐	1.000		2314998.09		P	1.4	
7	☐	1.000						



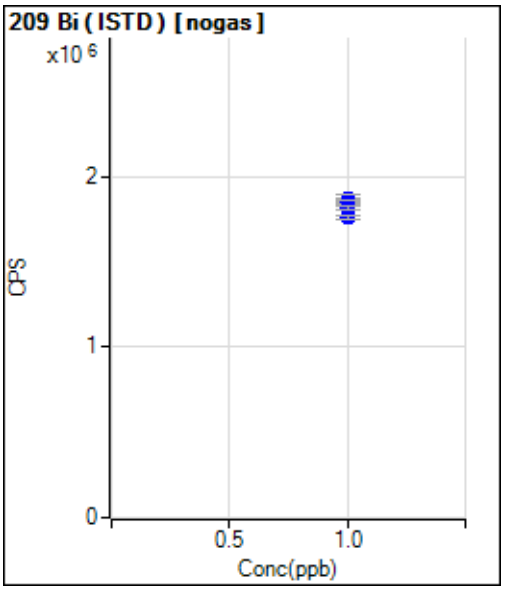
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		654948.25		P	0.9	
2	☐	1.000		659183.90		P	0.1	
3	☐	1.000		663327.23		P	0.9	
4	☐	1.000		651546.84		P	0.5	
5	☐	1.000		656809.83		P	1.6	
6	☐	1.000		645726.60		P	0.8	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2364887.25		P	0.1	
2	☐	1.000		2381928.88		P	1.7	
3	☐	1.000		2387493.89		P	1.4	
4	☐	1.000		2355297.69		P	1.4	
5	☐	1.000		2320976.47		P	1.2	
6	☐	1.000		2268431.31		P	2.2	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		864014.48		P	0.9	
2	☐	1.000		865658.24		P	1.7	
3	☐	1.000		864990.81		P	0.5	
4	☐	1.000		848739.07		P	0.2	
5	☐	1.000		835793.64		P	1.5	
6	☐	1.000		815164.41		P	1.3	
7	☐	1.000						



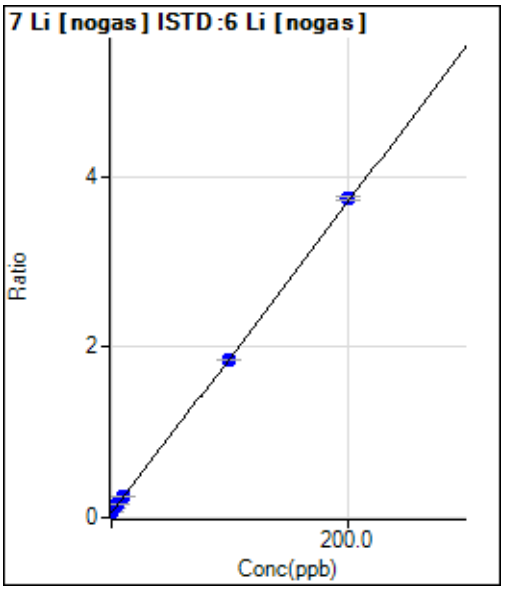
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1846837.74		P	1.7	
2	☐	1.000		1870629.30		P	1.9	
3	☐	1.000		1849341.95		P	1.8	
4	☐	1.000		1845653.72		P	1.8	
5	☐	1.000		1810431.54		P	1.2	
6	☐	1.000		1759831.90		P	1.3	
7	☐	1.000						

Calibration for 021_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070524A.b\
Analysis File: 070524A.batch.bin
DA Date-Time: 7/6/2024 10:31:27 AM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	011CALB.d	CAL BLK	7/5/2024 9:55:15 AM
2	012CALS.d	2/10/200	7/5/2024 9:57:22 AM
3	013CALS.d	5/25/500	7/5/2024 9:59:32 AM
4	014CALS.d	10/50/1000	7/5/2024 10:01:40 AM
5	015CALS.d	100/500/10K	7/5/2024 10:03:47 AM
6	016CALS.d	200/1000/20K	7/5/2024 10:05:52 AM
7			

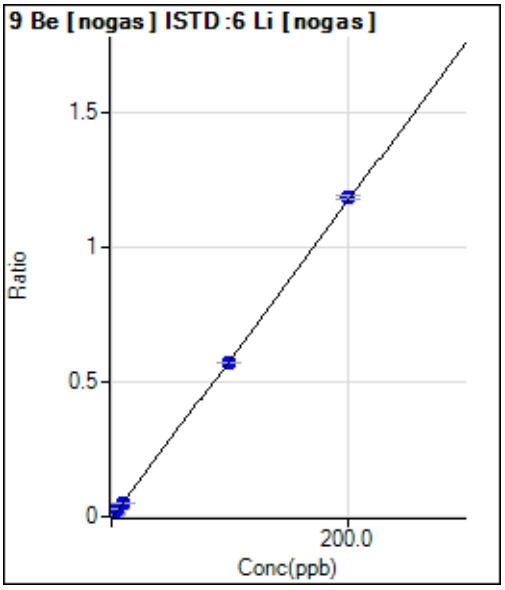
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	70314.06	0.0727	P	0.5	
2	☐	2.000	1.876	103295.55	0.1069	P	0.4	-6.2
3	☐	5.000	4.588	149868.10	0.1564	P	0.8	-8.2
4	☐	10.000	9.179	231893.77	0.2401	P	0.1	-8.2
5	☐	100.000	97.013	1715509.30	1.8421	P	0.1	-3.0
6	☐	200.000	201.546	3273523.08	3.7487	P	0.6	0.8
7	☐	1.000						

y = 0.0182 * x + 0.0727
R = 0.9998
DL = 0.05967 ppb
BEC = 3.985 ppb

Weight: <None>
Min Conc: <None>

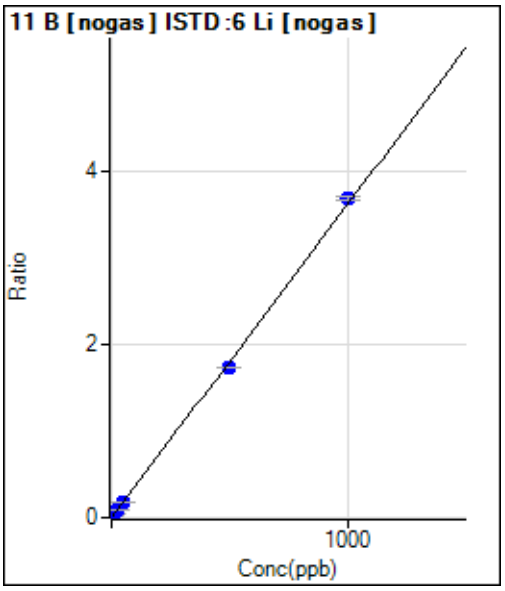


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	96.67	0.0001	P	6.5	
2	☐	2.000	1.786	10230.13	0.0106	P	2.7	-10.7
3	☐	5.000	4.577	25849.84	0.0270	P	2.7	-8.5
4	☐	10.000	9.000	51133.57	0.0529	P	1.4	-10.0
5	☐	100.000	97.120	531175.09	0.5704	P	0.6	-2.9
6	☐	200.000	201.503	1033273.79	1.1833	P	0.7	0.8
7	☐	1.000						

y = 0.0059 * x + 9.9952E-005
R = 0.9999
DL = 0.003295 ppb
BEC = 0.01702 ppb

Weight: <None>
Min Conc: <None>

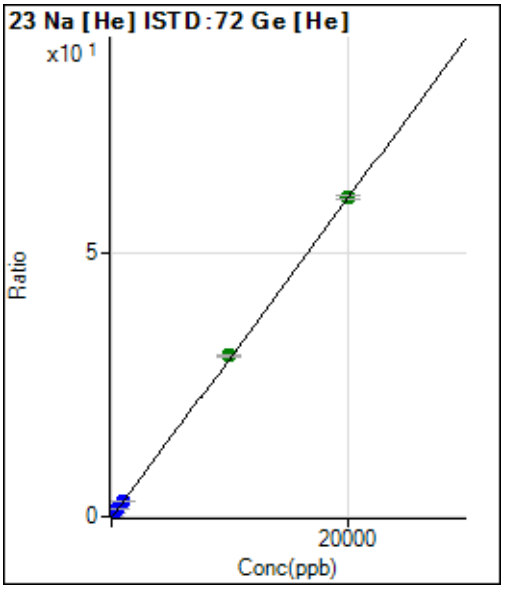
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18646.25	0.0193	P	1.1	
2	☐	10.000	8.171	47224.78	0.0489	P	2.1	-18.3
3	☐	25.000	21.334	92551.37	0.0966	P	1.1	-14.7
4	☐	50.000	43.666	171413.55	0.1775	P	1.5	-12.7
5	☐	500.000	473.414	1615318.41	1.7344	P	0.9	-5.3
6	☐	1000.000	1013.720	3223910.99	3.6920	P	1.7	1.4
7	☐	5.000						

y = 0.0036 * x + 0.0193
R = 0.9995
DL = 0.1706 ppb
BEC = 5.32 ppb

Weight: <None>
Min Conc: <None>

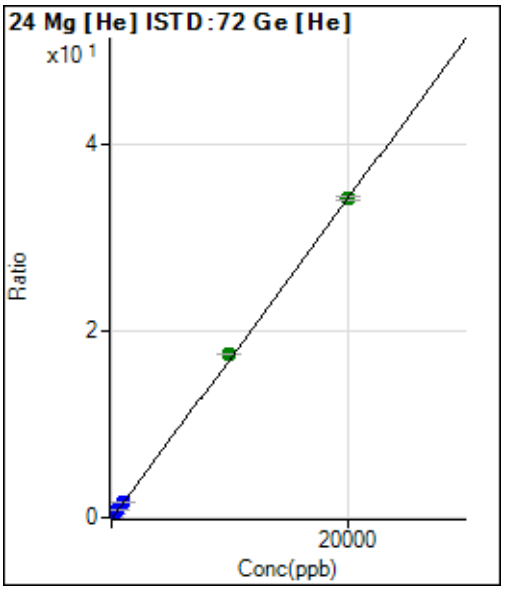


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	33530.00	0.0720	P	2.5	
2	☐	200.000	194.953	312321.38	0.6638	P	0.2	-2.5
3	☐	500.000	476.644	728884.42	1.5190	P	0.4	-4.7
4	☐	1000.000	976.408	1454466.75	3.0363	P	1.3	-2.4
5	☐	10000.00	10073.15	14690716.45	30.6535	A	0.9	0.7
6	☐	20000.00	19965.23	28926821.24	60.6853	A	1.1	-0.2
7	☐	100.000						

y = 0.0030 * x + 0.0720
R = 1.0000
DL = 1.812 ppb
BEC = 23.71 ppb

Weight: <None>
Min Conc: <None>

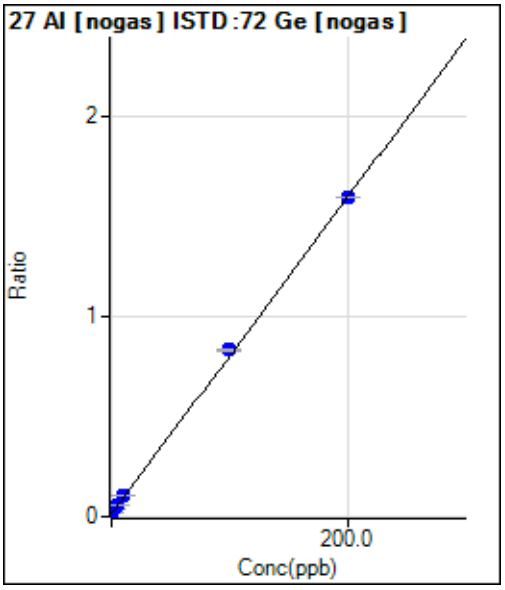
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	650.03	0.0014	P	13.6	
2	☐	200.000	197.259	159854.54	0.3398	P	2.0	-1.4
3	☐	500.000	485.191	400062.05	0.8337	P	0.2	-3.0
4	☐	1000.000	993.120	816736.94	1.7051	P	1.6	-0.7
5	☐	10000.00	10159.62	8353225.29	17.4303	A	0.2	1.6
6	☐	20000.00	19920.93	16290939.76	34.1758	A	0.8	-0.4
7	☐	100.000						

y = 0.0017 * x + 0.0014
R = 1.0000
DL = 0.3321 ppb
BEC = 0.8127 ppb

Weight: <None>
Min Conc: <None>

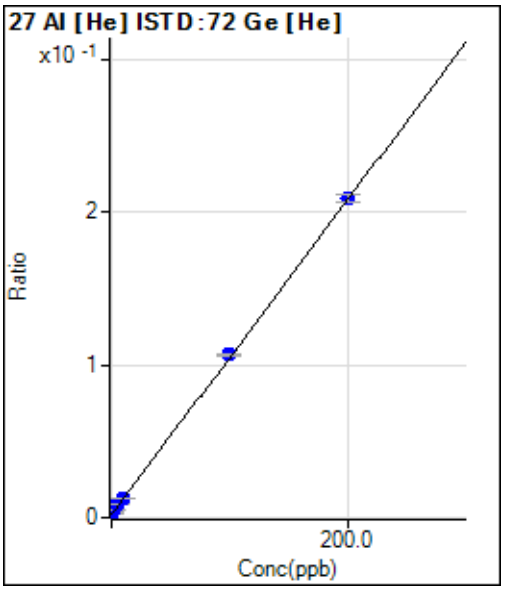


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36346.67	0.0225	P	2.7	
2	☐	2.000	1.759	59548.71	0.0364	P	1.2	-12.1
3	☐	5.000	4.962	100616.87	0.0618	P	0.8	-0.8
4	☐	10.000	10.164	169397.06	0.1030	P	1.6	1.6
5	☐	100.000	102.425	1395195.81	0.8339	P	0.9	2.4
6	☐	200.000	198.783	2699526.21	1.5973	P	0.5	-0.6
7	☐	1.000						

y = 0.0079 * x + 0.0225
R = 0.9999
DL = 0.2276 ppb
BEC = 2.835 ppb

Weight: <None>
Min Conc: <None>

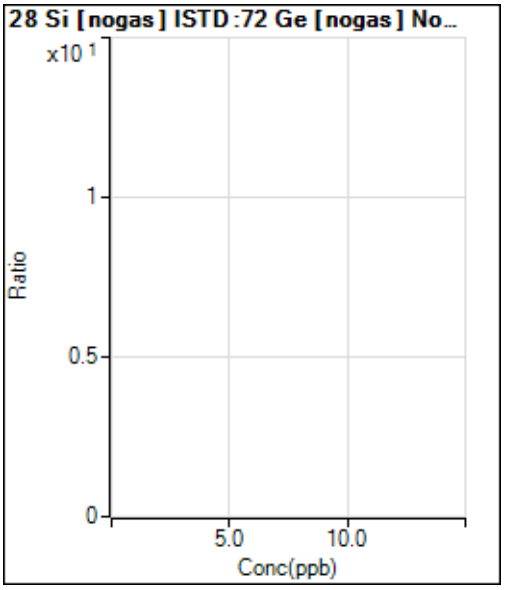
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1413.43	0.0030	P	8.6	
2	☐	2.000	1.714	2260.20	0.0048	P	7.6	-14.3
3	☐	5.000	5.654	4253.99	0.0089	P	8.8	13.1
4	☐	10.000	9.778	6288.07	0.0131	P	1.5	-2.2
5	☐	100.000	100.377	51101.65	0.1066	P	1.0	0.4
6	☐	200.000	199.809	99751.83	0.2093	P	1.9	-0.1
7	☐	1.000						

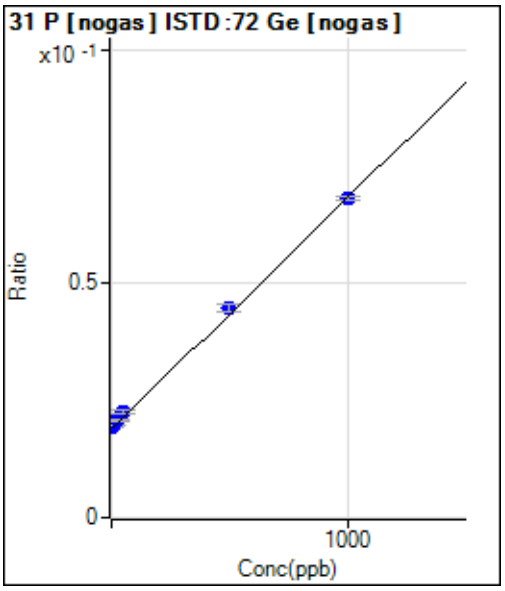
y = 0.0010 * x + 0.0030
R = 1.0000
DL = 0.76 ppb
BEC = 2.94 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

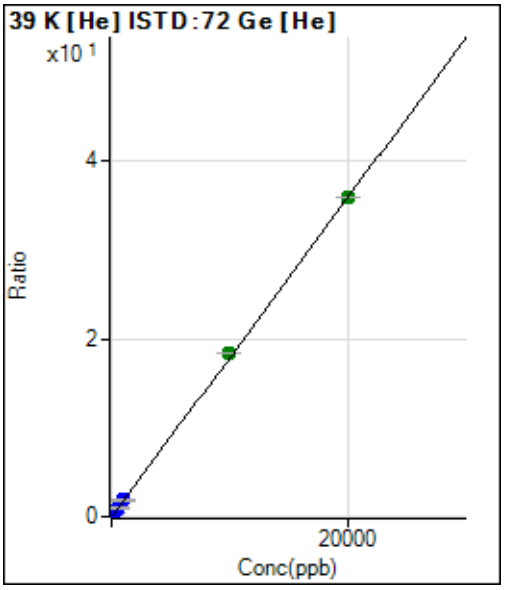
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	31215.34	0.0193	P	0.7	
2	☐	10.000	9.910	32357.79	0.0198	P	1.6	-0.9
3	☐	25.000	31.186	33927.92	0.0208	P	0.8	24.7
4	☐	50.000	65.491	37041.74	0.0225	P	4.4	31.0
5	☐	500.000	516.429	75000.16	0.0448	P	3.0	3.3
6	☐	1000.000	990.857	115407.95	0.0683	P	1.1	-0.9
7	☐	5.000						

y = 4.9456E-005 * x + 0.0193
R = 0.9997
DL = 8.487 ppb
BEC = 390 ppb

Weight: <None>
Min Conc: <None>

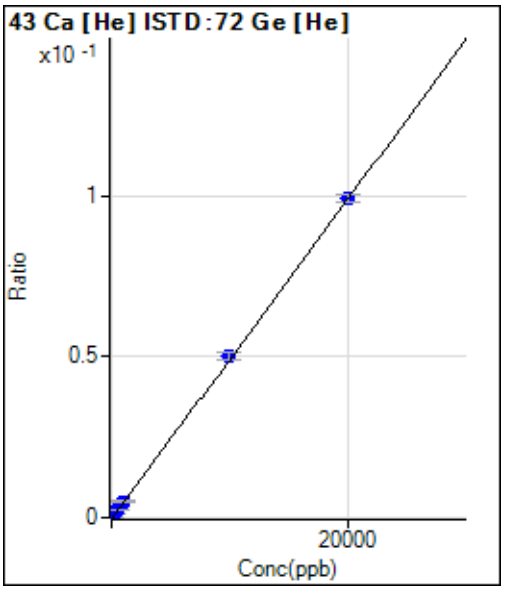


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63124.10	0.1355	P	1.3	
2	☐	200.000	188.386	223239.54	0.4745	P	0.7	-5.8
3	☐	500.000	465.099	466594.32	0.9724	P	0.6	-7.0
4	☐	1000.000	952.339	885693.45	1.8491	P	2.1	-4.8
5	☐	10000.00	10179.31	8842404.24	18.4516	A	0.6	1.8
6	☐	20000.00	19913.71	17146549.75	35.9672	A	0.6	-0.4
7	☐	100.000						

y = 0.0018 * x + 0.1355
R = 0.9999
DL = 2.862 ppb
BEC = 75.32 ppb

Weight: <None>
Min Conc: <None>

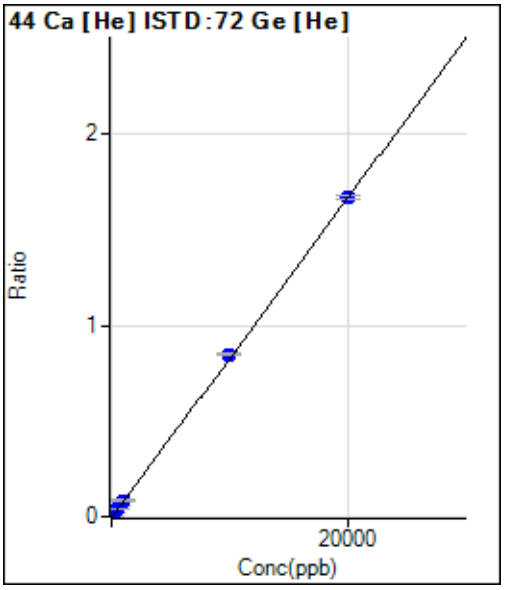
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16.67	0.0000	P	35.4	
2	☐	200.000	208.108	503.35	0.0011	P	3.4	4.1
3	☐	500.000	484.988	1173.40	0.0024	P	5.4	-3.0
4	☐	1000.000	959.297	2303.56	0.0048	P	12.4	-4.1
5	☐	10000.00	10093.36	24049.25	0.0502	P	3.8	0.9
6	☐	20000.00	19955.64	47280.55	0.0992	P	2.3	-0.2
7	☐	100.000						

y = 4.9691E-006 * x + 3.5872E-005
R = 1.0000
DL = 7.664 ppb
BEC = 7.219 ppb

Weight: <None>
Min Conc: <None>

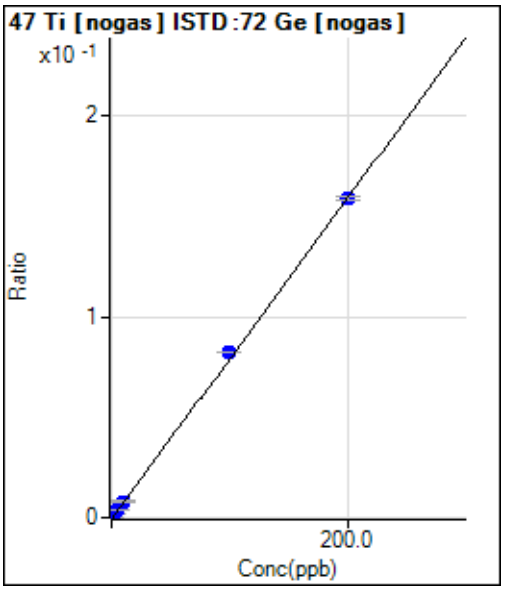


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	716.70	0.0015	P	13.8	
2	☐	200.000	197.958	8512.50	0.0181	P	2.2	-1.0
3	☐	500.000	494.504	20584.23	0.0429	P	0.7	-1.1
4	☐	1000.000	998.309	40731.56	0.0850	P	3.1	-0.2
5	☐	10000.00	10108.72	405940.46	0.8470	P	0.8	1.1
6	☐	20000.00	19945.88	795961.24	1.6698	P	1.3	-0.3
7	☐	100.000						

y = 8.3641E-005 * x + 0.0015
R = 1.0000
DL = 7.609 ppb
BEC = 18.38 ppb

Weight: <None>
Min Conc: <None>

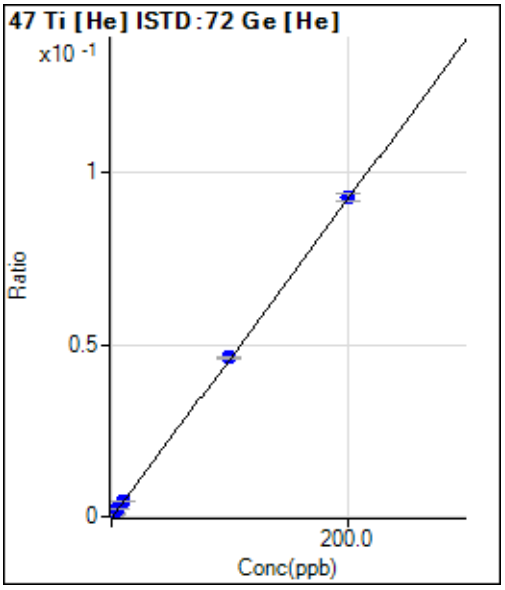
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	130.00	0.0001	P	30.0	
2	☐	2.000	2.130	2917.00	0.0018	P	3.9	6.5
3	☐	5.000	4.918	6534.89	0.0040	P	6.7	-1.6
4	☐	10.000	9.928	13189.32	0.0080	P	3.4	-0.7
5	☐	100.000	102.570	137313.69	0.0821	P	0.4	2.6
6	☐	200.000	198.719	268595.35	0.1589	P	1.0	-0.6
7	☐	1.000						

y = 7.9937E-004 * x + 8.0231E-005
R = 0.9999
DL = 0.09019 ppb
BEC = 0.1004 ppb

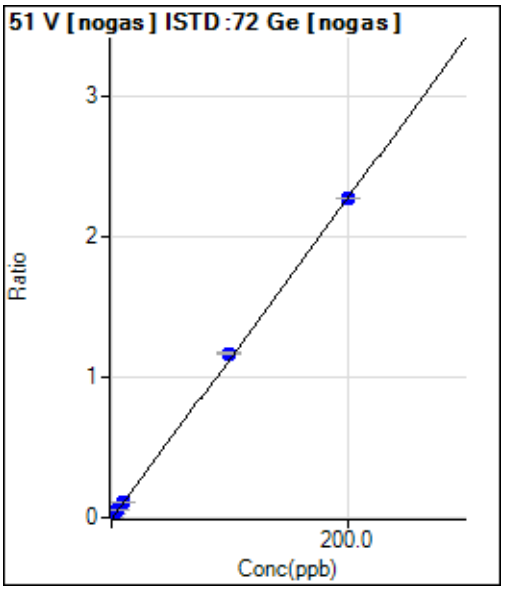
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16.67	0.0000	P	125.7	
2	☐	2.000	1.682	383.34	0.0008	P	6.9	-15.9
3	☐	5.000	4.868	1100.06	0.0023	P	10.5	-2.6
4	☐	10.000	9.956	2226.88	0.0046	P	4.0	-0.4
5	☐	100.000	99.582	22119.74	0.0462	P	1.3	-0.4
6	☐	200.000	200.218	44221.25	0.0928	P	1.8	0.1
7	☐	1.000						

y = 4.6317E-004 * x + 3.5987E-005
R = 1.0000
DL = 0.2929 ppb
BEC = 0.0777 ppb

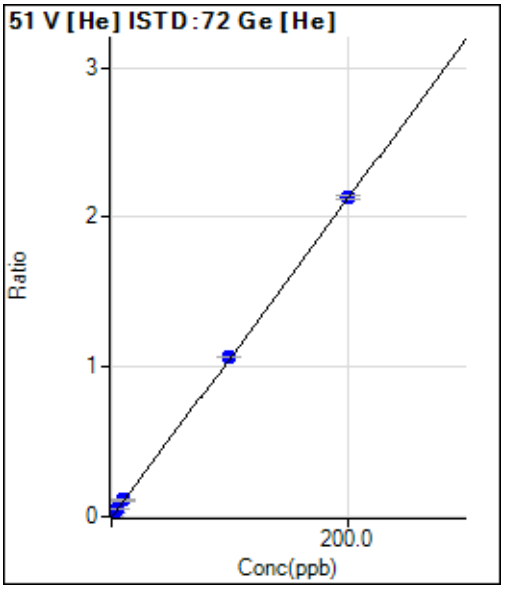
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	738.52	0.0004	P	363.7	
2	☐	2.000	1.890	36047.68	0.0220	P	7.3	-5.5
3	☐	5.000	5.070	95067.60	0.0584	P	3.8	1.4
4	☐	10.000	9.896	186705.59	0.1135	P	1.0	-1.0
5	☐	100.000	102.236	1954673.58	1.1684	P	1.5	2.2
6	☐	200.000	198.886	3840635.03	2.2725	P	0.6	-0.6
7	☐	1.000						

y = 0.0114 * x + 4.4018E-004
R = 0.9999
DL = 0.4204 ppb
BEC = 0.03853 ppb

Weight: <None>
Min Conc: <None>

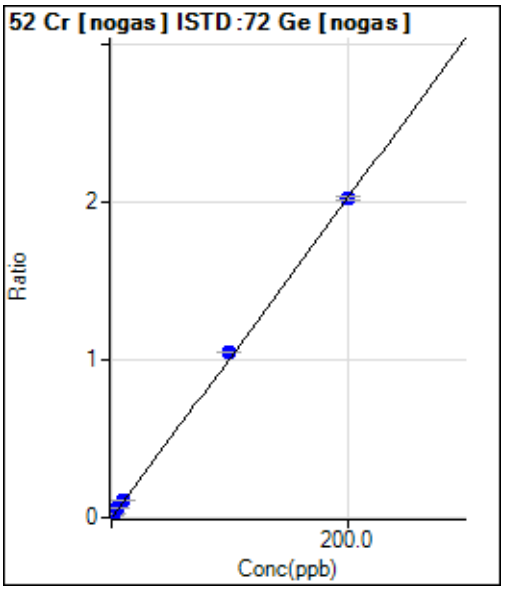


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2069.51	0.0044	P	12.1	
2	☐	2.000	2.092	12582.91	0.0267	P	2.8	4.6
3	☐	5.000	4.744	26393.80	0.0550	P	0.5	-5.1
4	☐	10.000	9.848	52407.60	0.1094	P	2.1	-1.5
5	☐	100.000	100.210	513895.41	1.0723	P	0.3	0.2
6	☐	200.000	199.908	1017625.98	2.1348	P	0.7	0.0
7	☐	1.000						

y = 0.0107 * x + 0.0044
R = 1.0000
DL = 0.1517 ppb
BEC = 0.4173 ppb

Weight: <None>
Min Conc: <None>

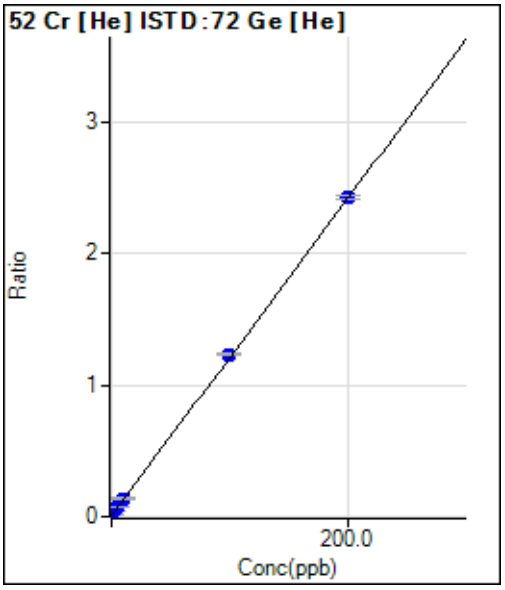
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11688.09	0.0072	P	1.1	
2	☐	2.000	1.977	44629.54	0.0273	P	0.3	-1.1
3	☐	5.000	4.959	93709.96	0.0575	P	1.1	-0.8
4	☐	10.000	10.113	180630.89	0.1098	P	1.7	1.1
5	☐	100.000	102.497	1751755.86	1.0471	P	0.8	2.5
6	☐	200.000	198.747	3419847.76	2.0235	P	1.1	-0.6
7	☐	1.000						

y = 0.0101 * x + 0.0072
R = 0.9999
DL = 0.02359 ppb
BEC = 0.7118 ppb

Weight: <None>
Min Conc: <None>

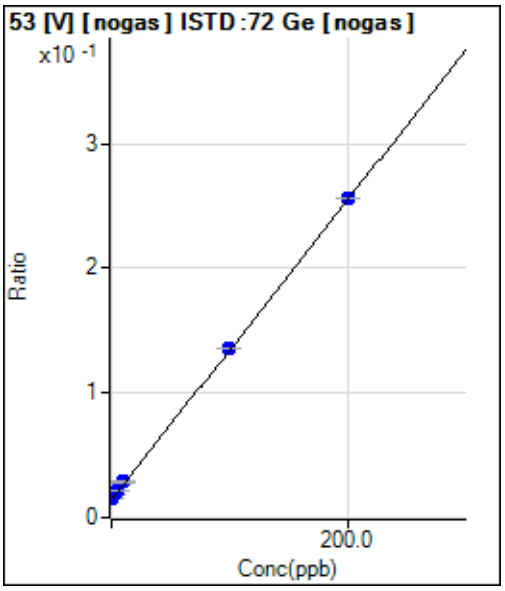


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8212.38	0.0176	P	7.1	
2	☐	2.000	2.007	19686.40	0.0418	P	2.0	0.4
3	☐	5.000	4.880	36704.82	0.0765	P	1.0	-2.4
4	☐	10.000	10.000	66225.04	0.1382	P	2.3	0.0
5	☐	100.000	100.822	591202.90	1.2336	P	0.4	0.8
6	☐	200.000	199.592	1155850.61	2.4249	P	1.1	-0.2
7	☐	1.000						

y = 0.0121 * x + 0.0176
R = 1.0000
DL = 0.3128 ppb
BEC = 1.463 ppb

Weight: <None>
Min Conc: <None>

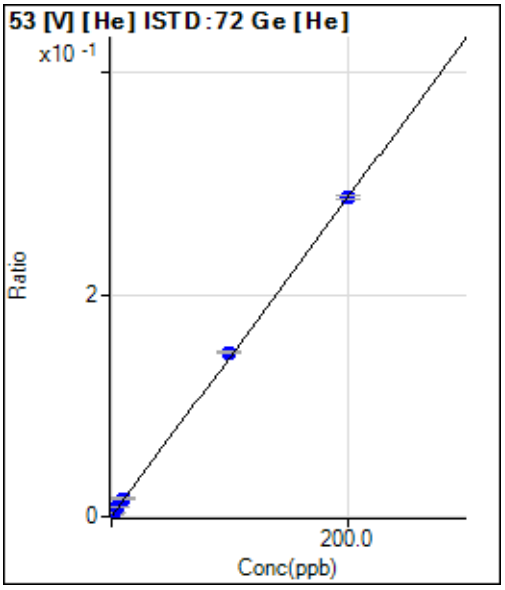
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25381.64	0.0157	P	2.8	
2	☐	2.000	1.964	29532.62	0.0181	P	2.2	-1.8
3	☐	5.000	4.680	34723.66	0.0213	P	1.6	-6.4
4	☐	10.000	10.811	47207.34	0.0287	P	1.7	8.1
5	☐	100.000	100.029	227644.60	0.1361	P	0.7	0.0
6	☐	200.000	199.953	433182.99	0.2563	P	0.6	0.0
7	☐	1.000						

y = 0.0012 * x + 0.0157
R = 1.0000
DL = 1.11 ppb
BEC = 13.03 ppb

Weight: <None>
Min Conc: <None>

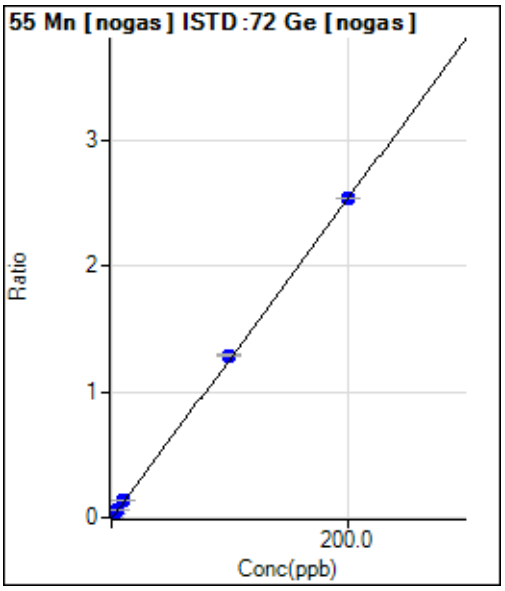


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	823.37	0.0018	P	6.3	
2	☐	2.000	1.665	1956.83	0.0042	P	5.1	-16.8
3	☐	5.000	5.103	4367.37	0.0091	P	1.1	2.1
4	☐	10.000	10.234	7892.18	0.0165	P	2.2	2.3
5	☐	100.000	101.714	70912.72	0.1480	P	1.4	1.7
6	☐	200.000	199.132	137276.40	0.2880	P	1.4	-0.4
7	☐	1.000						

y = 0.0014 * x + 0.0018
R = 0.9999
DL = 0.232 ppb
BEC = 1.229 ppb

Weight: <None>
Min Conc: <None>

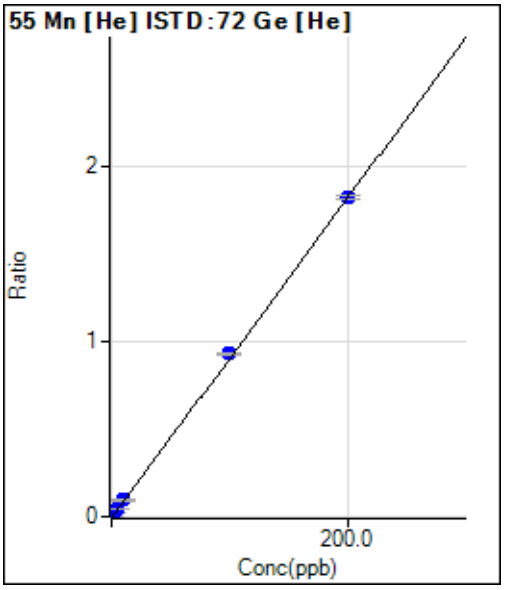
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4784.19	0.0030	P	5.2	
2	☐	2.000	1.976	46043.72	0.0281	P	1.9	-1.2
3	☐	5.000	5.010	108816.47	0.0668	P	1.2	0.2
4	☐	10.000	10.125	217152.02	0.1320	P	1.1	1.3
5	☐	100.000	101.248	2163714.71	1.2932	P	1.1	1.2
6	☐	200.000	199.370	4298971.50	2.5437	P	0.3	-0.3
7	☐	1.000						

y = 0.0127 * x + 0.0030
R = 1.0000
DL = 0.03649 ppb
BEC = 0.232 ppb

Weight: <None>
Min Conc: <None>

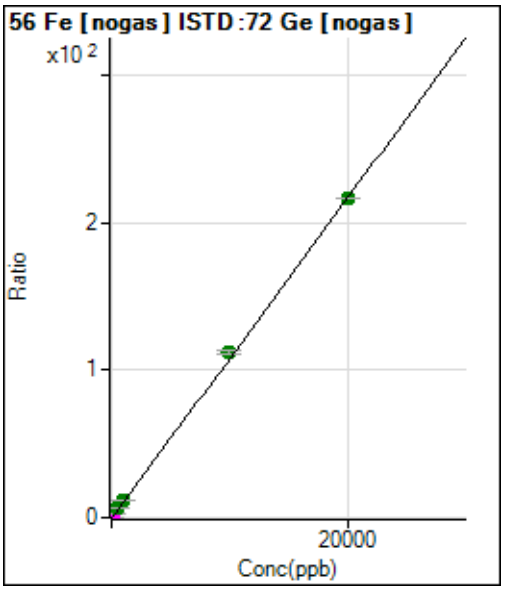


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	320.01	0.0007	P	13.9	
2	☐	2.000	1.940	8659.30	0.0184	P	1.6	-3.0
3	☐	5.000	4.770	21238.61	0.0443	P	1.6	-4.6
4	☐	10.000	10.166	44823.67	0.0936	P	1.3	1.7
5	☐	100.000	101.444	444438.31	0.9274	P	0.4	1.4
6	☐	200.000	199.276	868103.56	1.8212	P	0.9	-0.4
7	☐	1.000						

y = 0.0091 * x + 6.8731E-004
R = 1.0000
DL = 0.03146 ppb
BEC = 0.07524 ppb

Weight: <None>
Min Conc: <None>

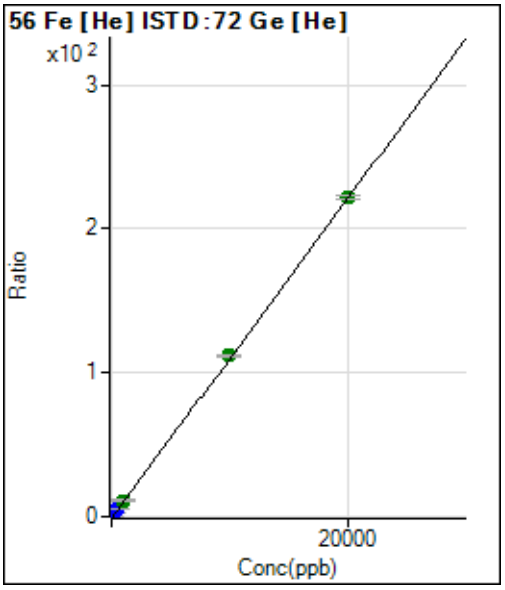
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	763172.83	0.4716	P	1.9	
2	☐	200.000	201.812	4361504.10	2.6659	M	1.9	0.9
3	☐	500.000	517.006	9924462.14	6.0929	A	1.6	3.4
4	☐	1000.000	1033.053	19250869.29	11.7037	A	1.5	3.3
5	☐	10000.00	10265.95	187522630.5	112.090	A	1.5	2.7
6	☐	20000.00	19864.92	365812154.5	216.456	A	0.4	-0.7
7	☐	100.000						

y = 0.0109 * x + 0.4716
R = 0.9999
DL = 2.424 ppb
BEC = 43.38 ppb

Weight: <None>
Min Conc: <None>

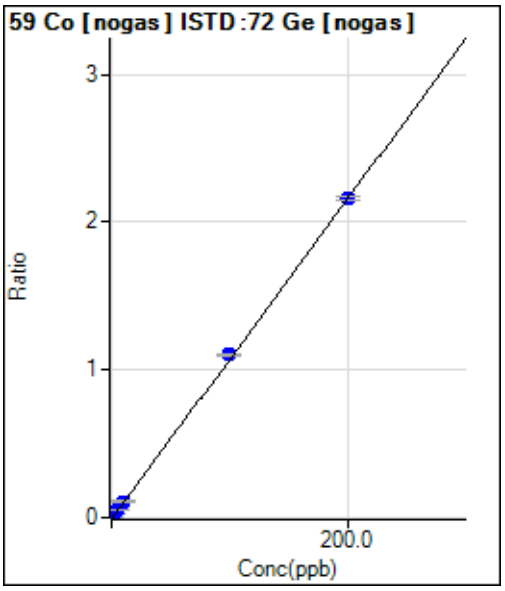


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10834.10	0.0233	P	4.5	
2	☐	200.000	192.641	1018525.50	2.1649	P	0.7	-3.7
3	☐	500.000	477.855	2560207.04	5.3358	P	0.8	-4.4
4	☐	1000.000	1019.603	5441189.71	11.3586	A	0.7	2.0
5	☐	10000.00	10064.14	53632990.87	111.910	A	1.3	0.6
6	☐	20000.00	19967.57	105829361.7	222.010	A	1.3	-0.2
7	☐	100.000						

y = 0.0111 * x + 0.0233
R = 1.0000
DL = 0.2852 ppb
BEC = 2.092 ppb

Weight: <None>
Min Conc: <None>

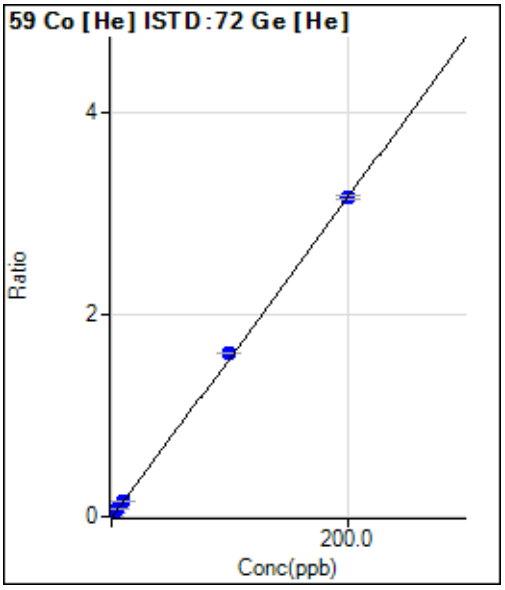
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	193.34	0.0001	P	35.3	
2	☐	2.000	2.016	35976.65	0.0220	P	3.7	0.8
3	☐	5.000	4.994	88428.91	0.0543	P	1.2	-0.1
4	☐	10.000	10.176	181793.99	0.1105	P	0.6	1.8
5	☐	100.000	101.618	1844591.01	1.1025	P	0.6	1.6
6	☐	200.000	199.182	3651995.99	2.1608	P	1.5	-0.4
7	☐	1.000						

y = 0.0108 * x + 1.1954E-004
R = 1.0000
DL = 0.01166 ppb
BEC = 0.01102 ppb

Weight: <None>
Min Conc: <None>

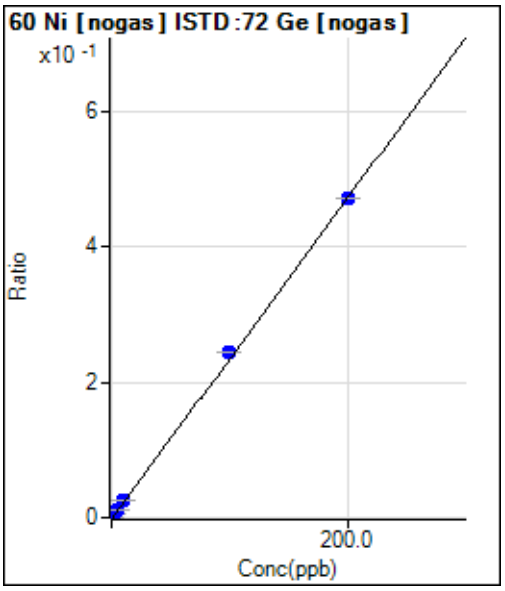


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.33	0.0002	P	15.3	
2	☐	2.000	2.008	15081.12	0.0321	P	1.4	0.4
3	☐	5.000	5.058	38593.17	0.0804	P	2.9	1.2
4	☐	10.000	9.919	75448.54	0.1575	P	0.9	-0.8
5	☐	100.000	101.851	774090.20	1.6153	P	0.1	1.9
6	☐	200.000	199.077	1504871.49	3.1570	P	0.9	-0.5
7	☐	1.000						

y = 0.0159 * x + 2.2199E-004
R = 0.9999
DL = 0.006415 ppb
BEC = 0.014 ppb

Weight: <None>
Min Conc: <None>

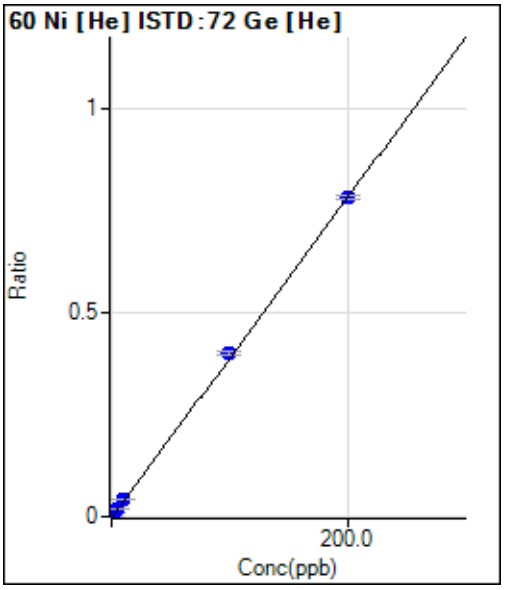
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	246.67	0.0002	P	11.5	
2	☐	2.000	2.049	8219.05	0.0050	P	0.9	2.5
3	☐	5.000	5.169	20267.35	0.0124	P	4.8	3.4
4	☐	10.000	10.466	41183.58	0.0250	P	1.4	4.7
5	☐	100.000	102.543	408112.78	0.2439	P	0.3	2.5
6	☐	200.000	198.701	798538.95	0.4725	P	0.6	-0.6
7	☐	1.000						

y = 0.0024 * x + 1.5233E-004
R = 0.9999
DL = 0.02202 ppb
BEC = 0.06408 ppb

Weight: <None>
Min Conc: <None>

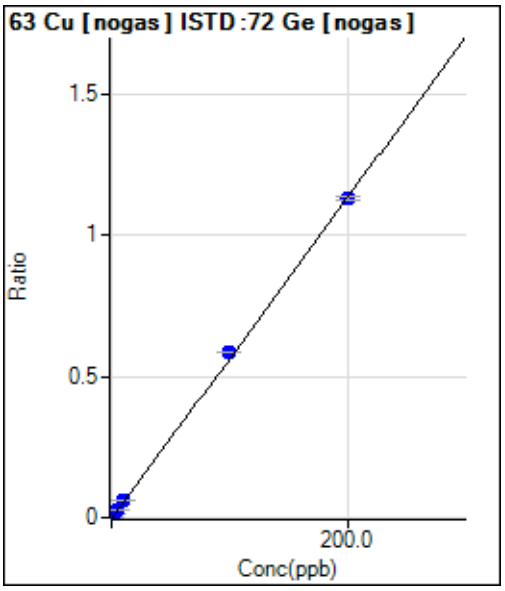


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	130.00	0.0003	P	46.6	
2	☐	2.000	2.019	3873.90	0.0082	P	3.8	0.9
3	☐	5.000	5.028	9636.60	0.0201	P	5.0	0.6
4	☐	10.000	10.233	19446.16	0.0406	P	2.0	2.3
5	☐	100.000	101.971	192664.00	0.4020	P	1.5	2.0
6	☐	200.000	199.002	373881.69	0.7843	P	0.9	-0.5
7	☐	1.000						

y = 0.0039 * x + 2.7891E-004
R = 0.9999
DL = 0.09893 ppb
BEC = 0.07079 ppb

Weight: <None>
Min Conc: <None>

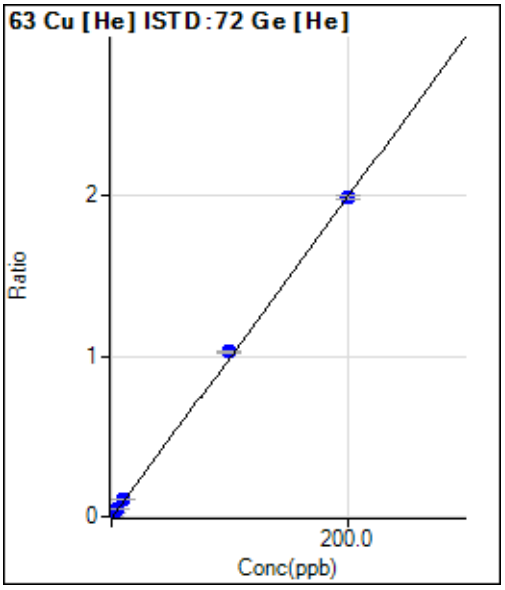
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1173.40	0.0007	P	3.4	
2	☐	2.000	1.978	19603.05	0.0120	P	3.5	-1.1
3	☐	5.000	5.170	49103.86	0.0301	P	0.3	3.4
4	☐	10.000	10.329	97877.69	0.0595	P	1.7	3.3
5	☐	100.000	103.192	983710.56	0.5879	P	0.1	3.2
6	☐	200.000	198.383	1909152.00	1.1296	P	0.9	-0.8
7	☐	1.000						

y = 0.0057 * x + 7.2501E-004
R = 0.9998
DL = 0.01282 ppb
BEC = 0.1274 ppb

Weight: <None>
Min Conc: <None>

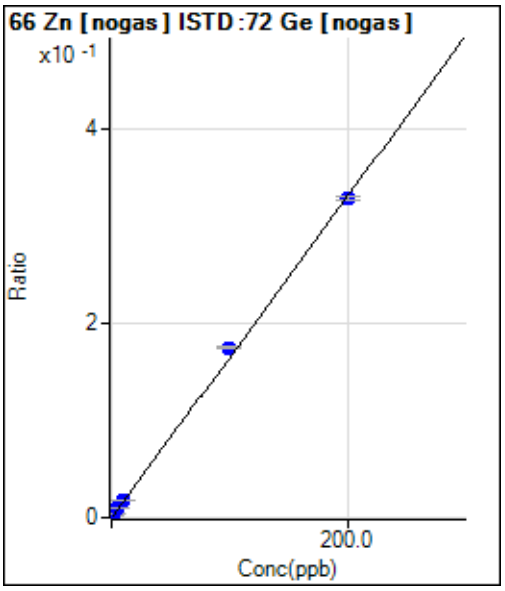


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	486.68	0.0010	P	10.7	
2	☐	2.000	1.970	9786.69	0.0208	P	3.0	-1.5
3	☐	5.000	5.137	25218.13	0.0526	P	1.2	2.7
4	☐	10.000	10.237	49679.09	0.1037	P	0.8	2.4
5	☐	100.000	102.522	493126.74	1.0290	P	0.8	2.5
6	☐	200.000	198.724	950393.53	1.9937	P	1.0	-0.6
7	☐	1.000						

y = 0.0100 * x + 0.0010
R = 0.9999
DL = 0.03333 ppb
BEC = 0.1042 ppb

Weight: <None>
Min Conc: <None>

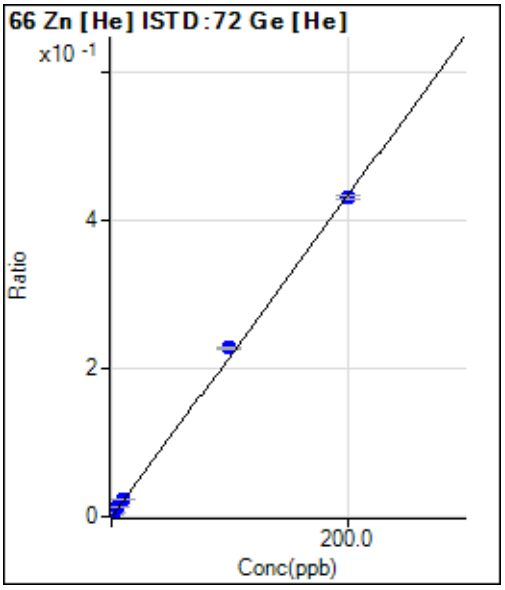
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2240.22	0.0014	P	8.9	
2	☐	2.000	1.914	7442.01	0.0045	P	3.6	-4.3
3	☐	5.000	5.213	16295.79	0.0100	P	4.4	4.3
4	☐	10.000	10.298	30284.46	0.0184	P	3.6	3.0
5	☐	100.000	104.725	292102.74	0.1746	P	1.4	4.7
6	☐	200.000	197.618	554715.88	0.3282	P	0.9	-1.2
7	☐	1.000						

y = 0.0017 * x + 0.0014
R = 0.9996
DL = 0.2243 ppb
BEC = 0.8367 ppb

Weight: <None>
Min Conc: <None>

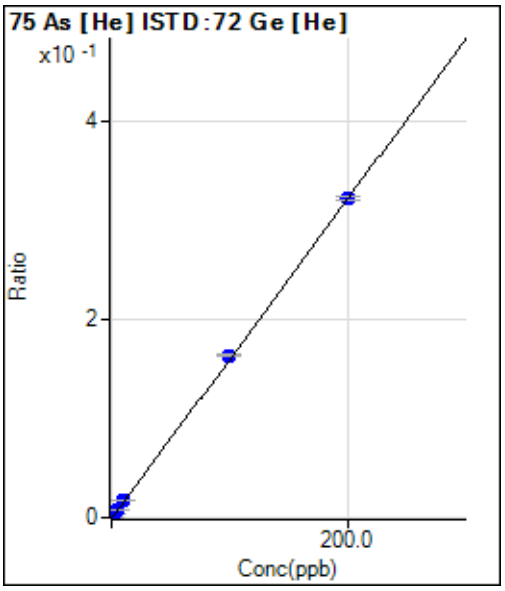


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	793.37	0.0017	P	6.4	
2	☐	2.000	1.976	2823.66	0.0060	P	7.0	-1.2
3	☐	5.000	4.897	5927.94	0.0124	P	3.3	-2.1
4	☐	10.000	10.262	11507.91	0.0240	P	0.3	2.6
5	☐	100.000	104.324	109538.45	0.2286	P	1.3	4.3
6	☐	200.000	197.828	205896.29	0.4319	P	0.7	-1.1
7	☐	1.000						

y = 0.0022 * x + 0.0017
R = 0.9997
DL = 0.1511 ppb
BEC = 0.7832 ppb

Weight: <None>
Min Conc: <None>

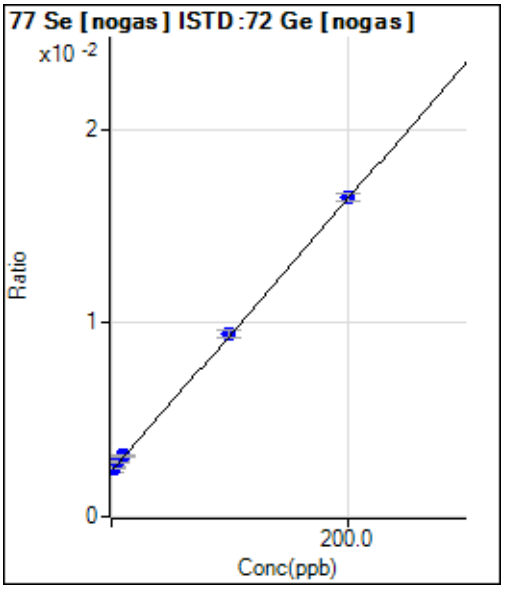
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	146.67	0.0003	P	3.4	
2	☐	2.000	1.892	1588.98	0.0034	P	5.3	-5.4
3	☐	5.000	4.845	3913.87	0.0082	P	1.4	-3.1
4	☐	10.000	10.162	8029.98	0.0168	P	2.3	1.6
5	☐	100.000	101.282	78705.39	0.1642	P	0.8	1.3
6	☐	200.000	199.356	153931.63	0.3229	P	1.7	-0.3
7	☐	1.000						

y = 0.0016 * x + 3.1498E-004
R = 1.0000
DL = 0.01966 ppb
BEC = 0.1946 ppb

Weight: <None>
Min Conc: <None>

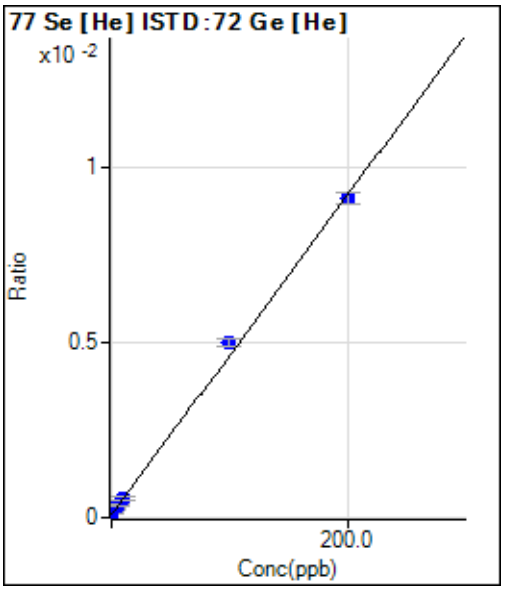


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3947.26	0.0024	P	14.0	
2	☐	2.000	1.262	4137.33	0.0025	P	4.7	-36.9
3	☐	5.000	5.738	4630.81	0.0028	P	5.3	14.8
4	☐	10.000	10.205	5194.33	0.0032	P	3.1	2.1
5	☐	100.000	99.677	15805.30	0.0094	P	3.8	-0.3
6	☐	200.000	200.140	27886.57	0.0165	P	2.9	0.1
7	☐	1.000						

y = 7.0266E-005 * x + 0.0024
R = 1.0000
DL = 14.62 ppb
BEC = 34.72 ppb

Weight: <None>
Min Conc: <None>

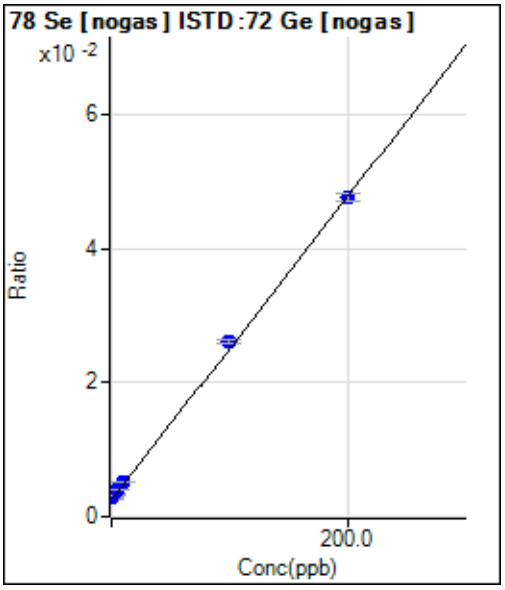
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	60.00	0.0001	P	15.9	
2	☐	2.000	3.064	126.67	0.0003	P	23.8	53.2
3	☐	5.000	4.628	163.33	0.0003	P	20.5	-7.4
4	☐	10.000	9.622	273.34	0.0006	P	19.9	-3.8
5	☐	100.000	106.532	2400.24	0.0050	P	4.2	6.5
6	☐	200.000	196.751	4357.38	0.0091	P	3.9	-1.6
7	☐	1.000						

y = 4.5812E-005 * x + 1.2873E-004
R = 0.9992
DL = 1.343 ppb
BEC = 2.81 ppb

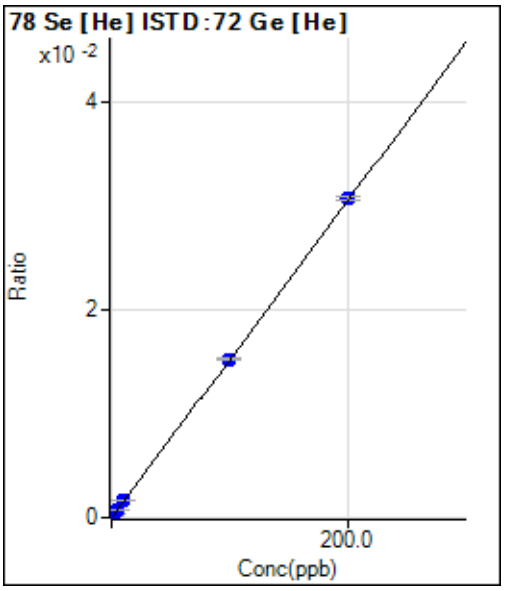
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4460.75	0.0028	P	5.9	
2	☐	2.000	2.813	5551.13	0.0034	P	6.8	40.6
3	☐	5.000	5.530	6531.56	0.0040	P	2.3	10.6
4	☐	10.000	10.891	8595.98	0.0052	P	3.5	8.9
5	☐	100.000	103.185	43791.45	0.0262	P	1.8	3.2
6	☐	200.000	198.342	80722.25	0.0478	P	2.6	-0.8
7	☐	1.000						

y = 2.2695E-004 * x + 0.0028
R = 0.9998
DL = 2.157 ppb
BEC = 12.14 ppb

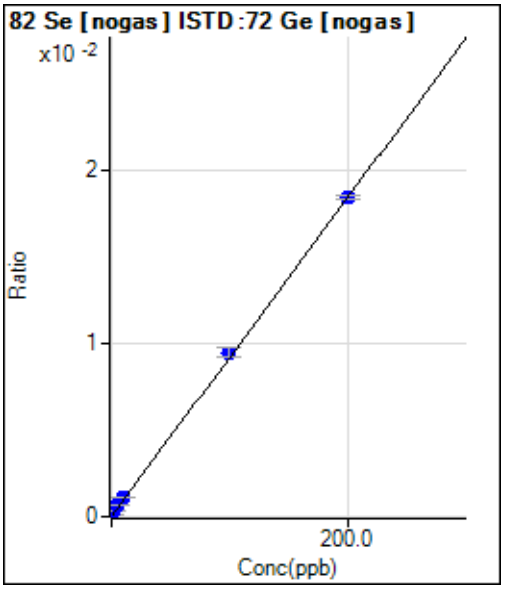
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	64.67	0.0001	P	8.4	
2	☐	2.000	1.872	200.00	0.0004	P	11.8	-6.4
3	☐	5.000	4.247	378.01	0.0008	P	6.9	-15.1
4	☐	10.000	10.175	811.36	0.0017	P	4.8	1.8
5	☐	100.000	98.880	7310.48	0.0153	P	1.2	-1.1
6	☐	200.000	200.572	14681.94	0.0308	P	0.9	0.3
7	☐	1.000						

y = 1.5287E-004 * x + 1.3889E-004
R = 1.0000
DL = 0.2287 ppb
BEC = 0.9086 ppb

Weight: <None>
Min Conc: <None>

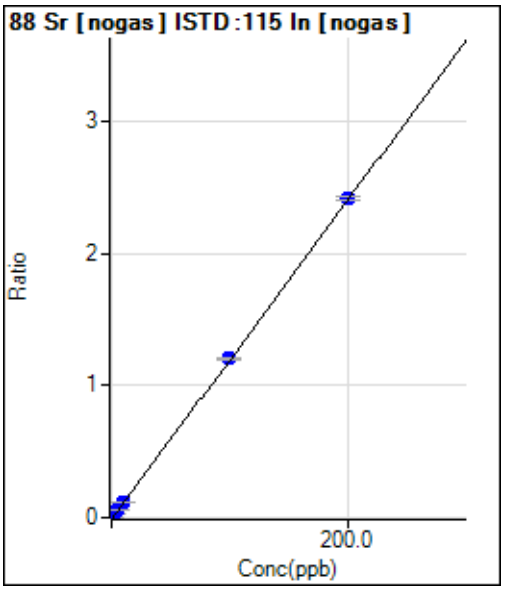


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	186.67	0.0001	P	24.1	
2	☐	2.000	2.108	506.68	0.0003	P	17.3	5.4
3	☐	5.000	6.074	1100.06	0.0007	P	10.3	21.5
4	☐	10.000	10.969	1853.48	0.0011	P	1.8	9.7
5	☐	100.000	101.641	15875.38	0.0095	P	5.6	1.6
6	☐	200.000	199.103	31226.52	0.0185	P	0.9	-0.4
7	☐	1.000						

y = 9.2218E-005 * x + 1.1516E-004
R = 0.9999
DL = 0.9039 ppb
BEC = 1.249 ppb

Weight: <None>
Min Conc: <None>

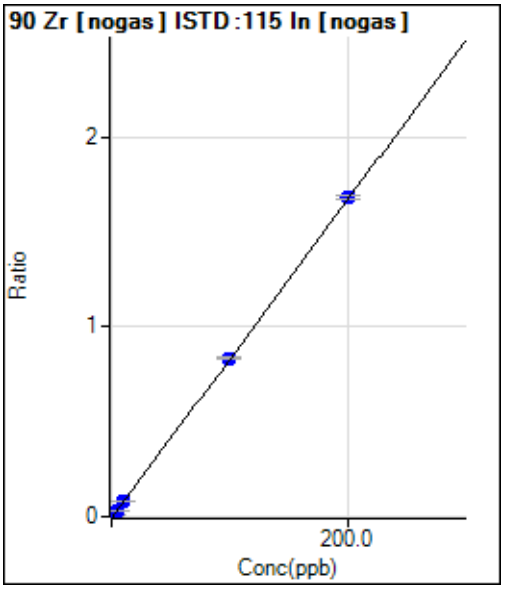
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	560.02	0.0003	P	17.6	
2	☐	2.000	1.899	42622.02	0.0232	P	1.7	-5.1
3	☐	5.000	4.800	106724.45	0.0582	P	1.1	-4.0
4	☐	10.000	9.686	216754.85	0.1171	P	1.3	-3.1
5	☐	100.000	99.715	2233773.51	1.2031	P	1.0	-0.3
6	☐	200.000	200.164	4439861.91	2.4148	P	1.0	0.1
7	☐	1.000						

y = 0.0121 * x + 3.0707E-004
R = 1.0000
DL = 0.01346 ppb
BEC = 0.02546 ppb

Weight: <None>
Min Conc: <None>

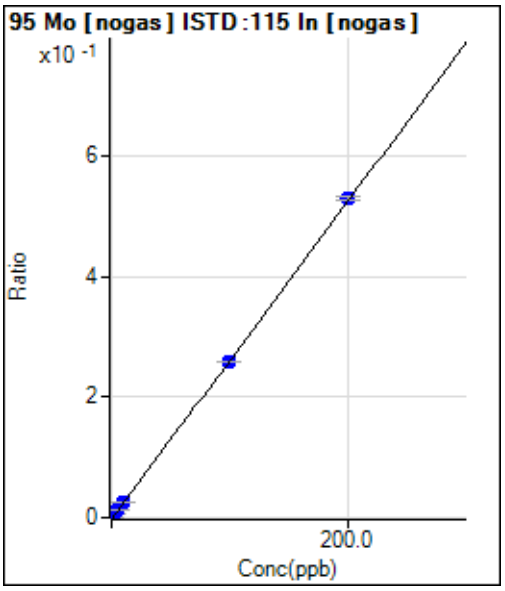


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1273.41	0.0007	P	11.6	
2	☐	2.000	1.429	23322.07	0.0127	P	1.1	-28.6
3	☐	5.000	4.092	64293.45	0.0351	P	1.0	-18.2
4	☐	10.000	9.083	142444.21	0.0770	P	1.6	-9.2
5	☐	100.000	99.284	1549522.01	0.8346	P	1.0	-0.7
6	☐	200.000	200.433	3096463.70	1.6841	P	0.9	0.2
7	☐	1.000						

y = 0.0084 * x + 6.9926E-004
R = 1.0000
DL = 0.02895 ppb
BEC = 0.08326 ppb

Weight: <None>
Min Conc: <None>

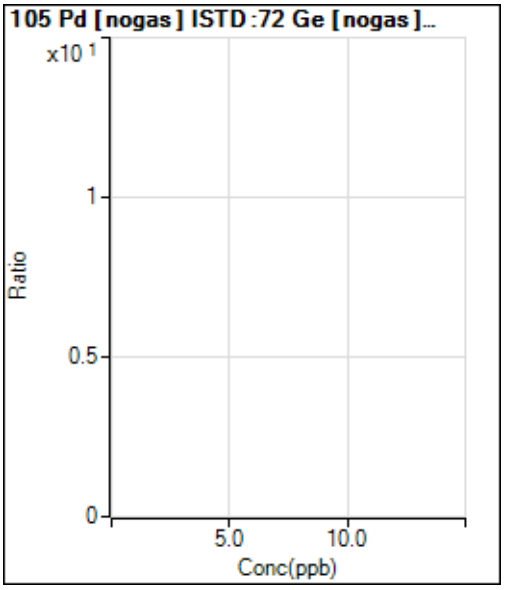
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	260.01	0.0001	P	31.5	
2	☐	2.000	1.831	9109.62	0.0050	P	3.3	-8.5
3	☐	5.000	4.586	22394.08	0.0122	P	1.2	-8.3
4	☐	10.000	9.540	46721.27	0.0252	P	0.7	-4.6
5	☐	100.000	98.081	479529.14	0.2583	P	0.9	-1.9
6	☐	200.000	200.994	972875.77	0.5291	P	1.0	0.5
7	☐	1.000						

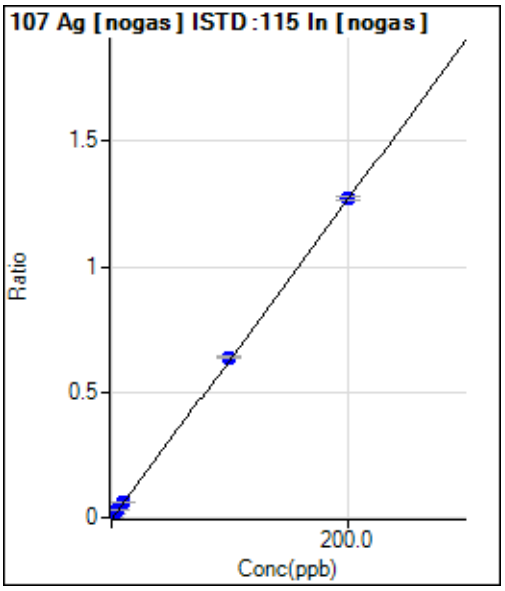
y = 0.0026 * x + 1.4305E-004
R = 0.9999
DL = 0.05136 ppb
BEC = 0.05435 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

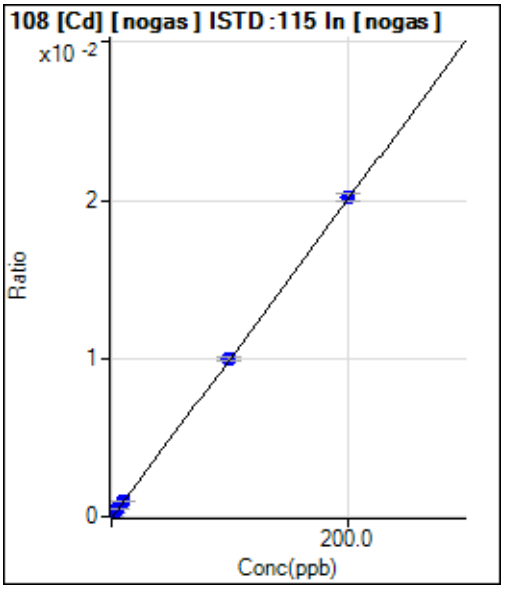
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	116.67	0.0001	P	26.4	
2	☐	2.000	1.940	22794.80	0.0124	P	1.3	-3.0
3	☐	5.000	4.898	57303.13	0.0313	P	1.8	-2.0
4	☐	10.000	9.983	117733.32	0.0636	P	1.7	-0.2
5	☐	100.000	100.311	1186064.77	0.6388	P	1.3	0.3
6	☐	200.000	199.849	2339935.80	1.2727	P	1.3	-0.1
7	☐	1.000						

y = 0.0064 * x + 6.4069E-005
R = 1.0000
DL = 0.007965 ppb
BEC = 0.01006 ppb

Weight: <None>
Min Conc: <None>

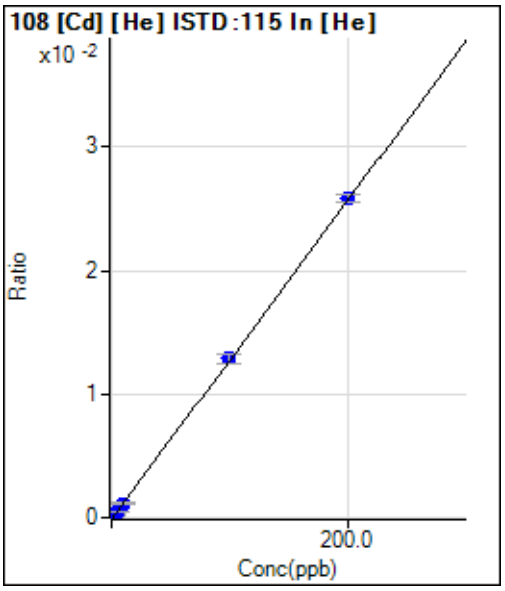


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0000	P	86.6	
2	☐	2.000	1.963	370.01	0.0002	P	10.7	-1.8
3	☐	5.000	5.001	930.04	0.0005	P	6.5	0.0
4	☐	10.000	9.253	1730.13	0.0009	P	3.9	-7.5
5	☐	100.000	99.123	18535.39	0.0100	P	2.5	-0.9
6	☐	200.000	200.476	37121.20	0.0202	P	3.0	0.2
7	☐	1.000						

y = 1.0069E-004 * x + 3.6857E-006
R = 1.0000
DL = 0.09511 ppb
BEC = 0.03661 ppb

Weight: <None>
Min Conc: <None>

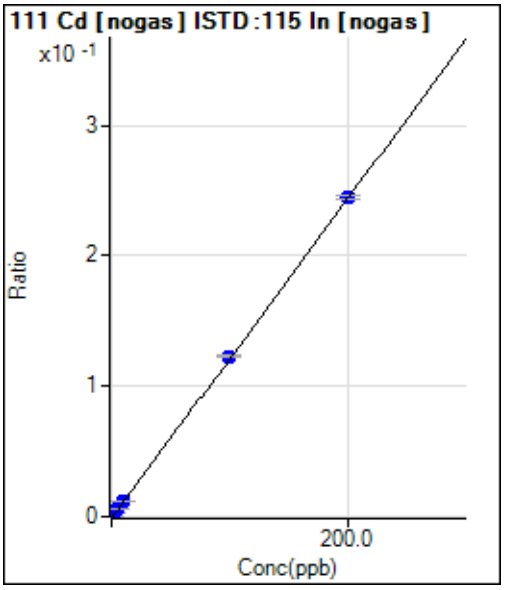
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	1.804	166.67	0.0002	P	28.4	-9.8
3	☐	5.000	3.715	346.68	0.0005	P	15.2	-25.7
4	☐	10.000	8.841	823.37	0.0011	P	12.1	-11.6
5	☐	100.000	99.595	9052.99	0.0129	P	6.0	-0.4
6	☐	200.000	200.294	18081.50	0.0259	P	2.0	0.1
7	☐	1.000						

y = 1.2911E-004 * x + 4.8102E-006
R = 1.0000
DL = 0.1936 ppb
BEC = 0.03726 ppb

Weight: <None>
Min Conc: <None>

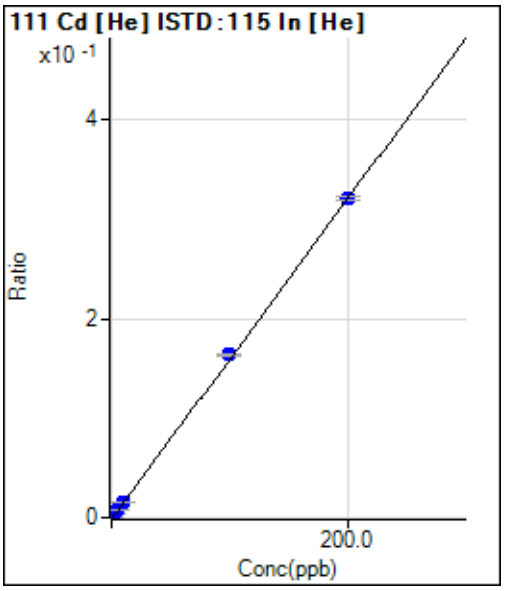


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.18	0.0000	P	97.1	
2	☐	2.000	1.961	4417.19	0.0024	P	6.7	-2.0
3	☐	5.000	4.913	11047.33	0.0060	P	3.5	-1.7
4	☐	10.000	9.954	22581.03	0.0122	P	2.7	-0.5
5	☐	100.000	100.310	228250.60	0.1229	P	1.3	0.3
6	☐	200.000	199.850	450318.27	0.2449	P	0.9	-0.1
7	☐	1.000						

y = 0.0012 * x + 3.3758E-006
R = 1.0000
DL = 0.008022 ppb
BEC = 0.002755 ppb

Weight: <None>
Min Conc: <None>

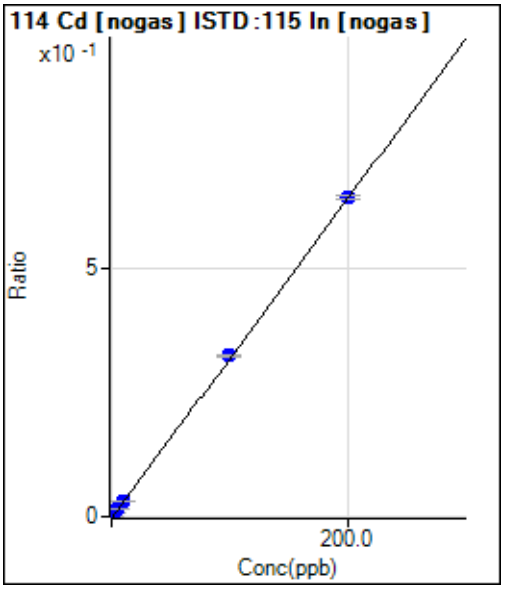
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-3.58	0.0000	P	-173.	
2	☐	2.000	1.954	2204.73	0.0031	P	14.1	-2.3
3	☐	5.000	4.995	5752.75	0.0080	P	5.4	-0.1
4	☐	10.000	9.915	11468.69	0.0160	P	0.7	-0.8
5	☐	100.000	101.728	115317.42	0.1639	P	1.2	1.7
6	☐	200.000	199.141	224261.67	0.3208	P	1.3	-0.4
7	☐	1.000						

y = 0.0016 * x - 5.1614E-006
R = 0.9999
DL = 0.01665 ppb
BEC = -0.003204 ppb

Weight: <None>
Min Conc: <None>

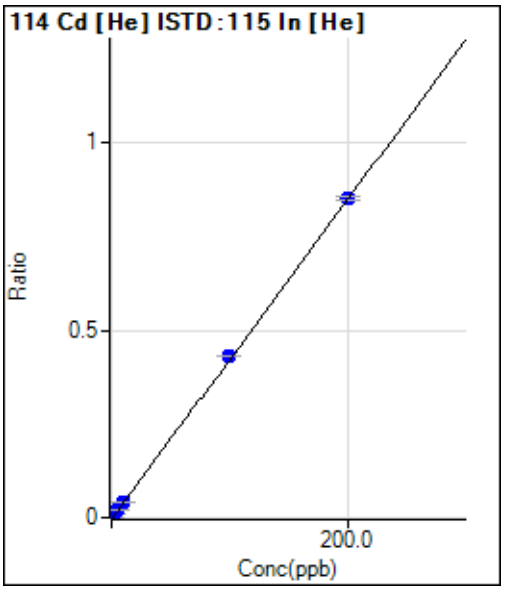


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	46.67	0.0000	P	53.0	
2	☐	2.000	1.894	11204.53	0.0061	P	2.9	-5.3
3	☐	5.000	4.945	29142.88	0.0159	P	1.4	-1.1
4	☐	10.000	9.824	58377.71	0.0315	P	1.2	-1.8
5	☐	100.000	100.487	598723.48	0.3225	P	1.9	0.5
6	☐	200.000	199.768	1178634.17	0.6410	P	0.6	-0.1
7	☐	1.000						

y = 0.0032 * x + 2.5529E-005
R = 1.0000
DL = 0.01266 ppb
BEC = 0.007956 ppb

Weight: <None>
Min Conc: <None>

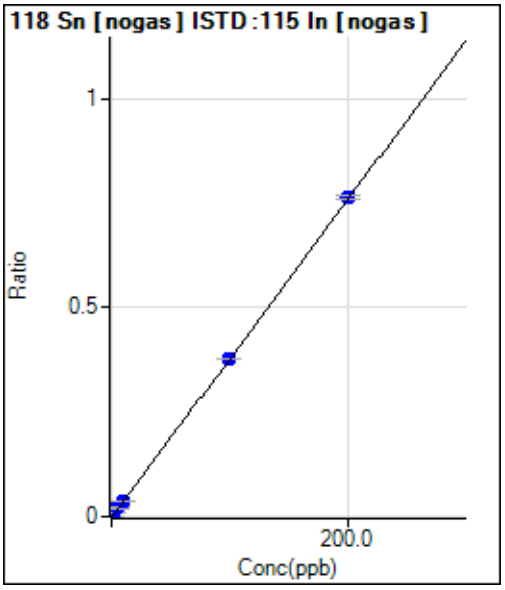
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.67	0.0001	P	43.4	
2	☐	2.000	1.960	5904.63	0.0084	P	4.4	-2.0
3	☐	5.000	4.791	14670.95	0.0205	P	3.0	-4.2
4	☐	10.000	9.821	30161.69	0.0420	P	2.4	-1.8
5	☐	100.000	100.791	302876.49	0.4305	P	0.7	0.8
6	☐	200.000	199.619	595926.03	0.8525	P	0.7	-0.2
7	☐	1.000						

y = 0.0043 * x + 5.2907E-005
R = 1.0000
DL = 0.01612 ppb
BEC = 0.01239 ppb

Weight: <None>
Min Conc: <None>

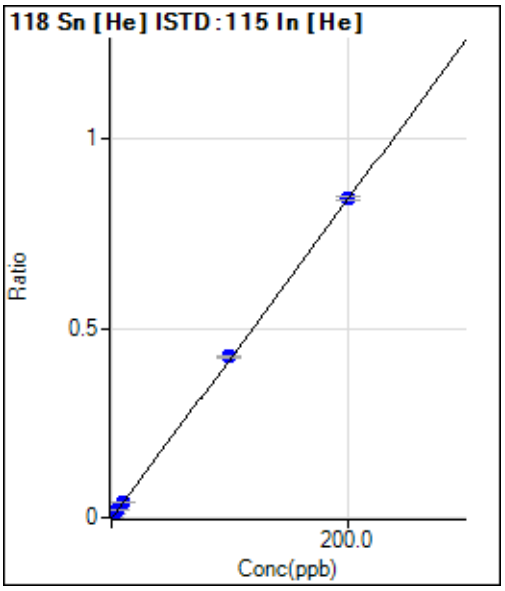


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2493.61	0.0014	P	8.2	
2	☐	2.000	1.758	14801.10	0.0081	P	1.0	-12.1
3	☐	5.000	5.189	38702.89	0.0211	P	15.4	3.8
4	☐	10.000	9.537	69677.89	0.0377	P	0.6	-4.6
5	☐	100.000	99.199	703366.73	0.3788	P	0.4	-0.8
6	☐	200.000	200.421	1404731.96	0.7640	P	1.4	0.2
7	☐	1.000						

y = 0.0038 * x + 0.0014
R = 1.0000
DL = 0.0888 ppb
BEC = 0.3596 ppb

Weight: <None>
Min Conc: <None>

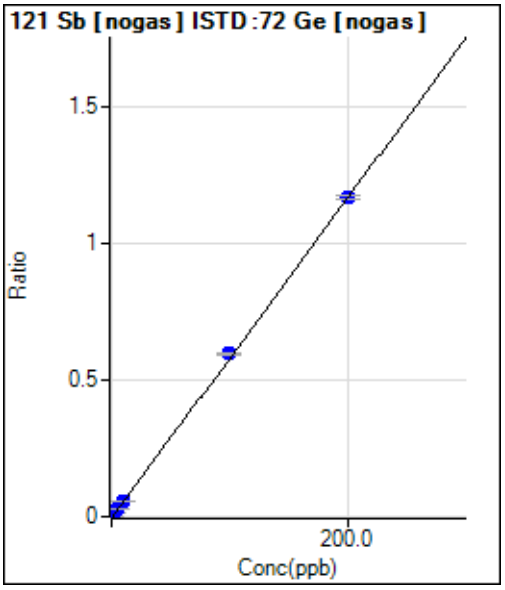
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1156.74	0.0017	P	2.9	
2	☐	2.000	1.770	6398.18	0.0091	P	4.0	-11.5
3	☐	5.000	4.609	15094.76	0.0211	P	1.8	-7.8
4	☐	10.000	9.721	30646.17	0.0427	P	1.2	-2.8
5	☐	100.000	100.530	299625.53	0.4259	P	0.9	0.5
6	☐	200.000	199.761	590389.02	0.8446	P	0.8	-0.1
7	☐	1.000						

y = 0.0042 * x + 0.0017
R = 1.0000
DL = 0.03402 ppb
BEC = 0.3928 ppb

Weight: <None>
Min Conc: <None>

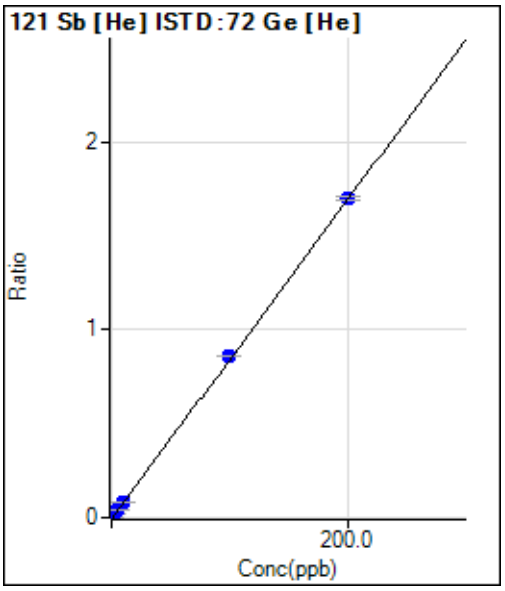


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1260.08	0.0008	P	2.2	
2	☐	2.000	1.954	20024.12	0.0122	P	3.8	-2.3
3	☐	5.000	4.782	46953.25	0.0288	P	1.7	-4.4
4	☐	10.000	9.767	95518.59	0.0581	P	1.3	-2.3
5	☐	100.000	101.399	996493.14	0.5956	P	0.5	1.4
6	☐	200.000	199.318	1977213.15	1.1699	P	1.2	-0.3
7	☐	1.000						

y = 0.0059 * x + 7.7843E-004
R = 1.0000
DL = 0.008753 ppb
BEC = 0.1327 ppb

Weight: <None>
Min Conc: <None>

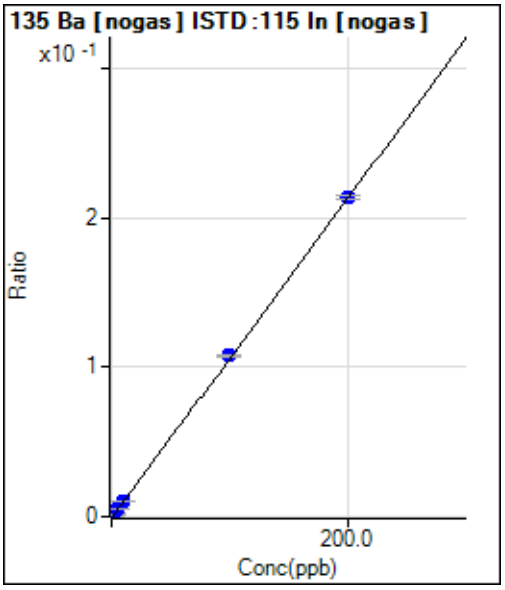
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	593.36	0.0013	P	10.7	
2	☐	2.000	1.906	8222.48	0.0175	P	2.6	-4.7
3	☐	5.000	4.817	20261.13	0.0422	P	1.5	-3.7
4	☐	10.000	9.668	39992.48	0.0835	P	1.9	-3.3
5	☐	100.000	100.641	410709.94	0.8570	P	0.2	0.6
6	☐	200.000	199.701	809986.76	1.6993	P	1.5	-0.1
7	☐	1.000						

y = 0.0085 * x + 0.0013
R = 1.0000
DL = 0.0482 ppb
BEC = 0.1498 ppb

Weight: <None>
Min Conc: <None>

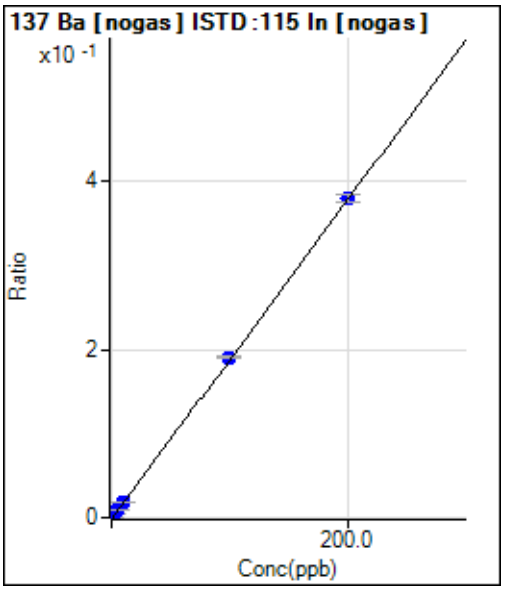


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86.67	0.0000	P	40.9	
2	☐	2.000	1.828	3687.21	0.0020	P	7.6	-8.6
3	☐	5.000	4.858	9636.76	0.0053	P	3.5	-2.8
4	☐	10.000	9.732	19396.80	0.0105	P	4.1	-2.7
5	☐	100.000	100.886	200883.71	0.1082	P	1.3	0.9
6	☐	200.000	199.576	393445.52	0.2140	P	1.7	-0.2
7	☐	1.000						

y = 0.0011 * x + 4.7605E-005
R = 1.0000
DL = 0.05448 ppb
BEC = 0.04441 ppb

Weight: <None>
Min Conc: <None>

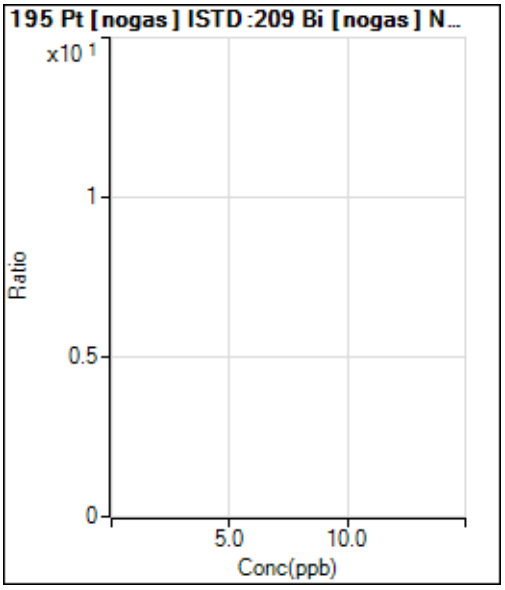
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	106.67	0.0001	P	31.9	
2	☐	2.000	1.961	6951.81	0.0038	P	4.0	-2.0
3	☐	5.000	4.764	16710.10	0.0091	P	2.4	-4.7
4	☐	10.000	9.857	34769.48	0.0188	P	1.7	-1.4
5	☐	100.000	100.368	354273.71	0.1908	P	0.4	0.4
6	☐	200.000	199.829	698409.57	0.3799	P	2.0	-0.1
7	☐	1.000						

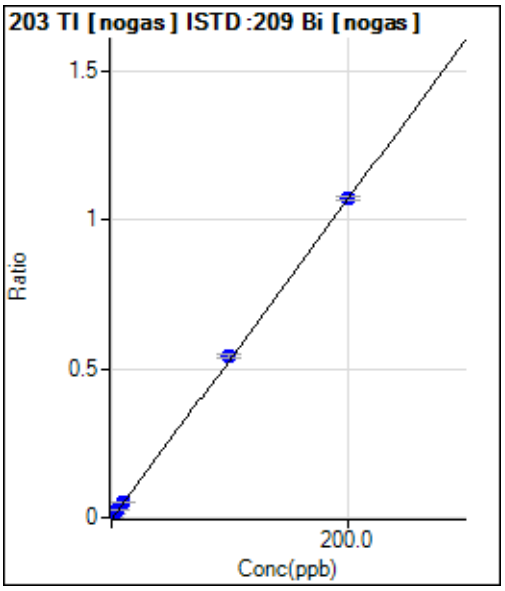
y = 0.0019 * x + 5.8436E-005
R = 1.0000
DL = 0.02941 ppb
BEC = 0.03075 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

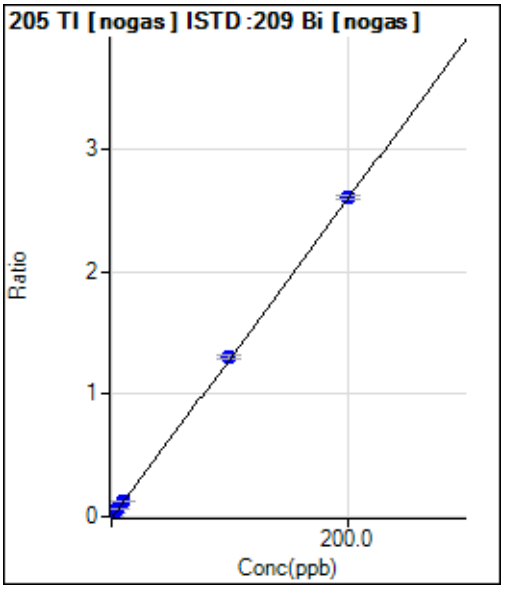
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	130.00	0.0001	P	22.9	
2	☐	2.000	1.963	17818.59	0.0106	P	1.3	-1.8
3	☐	5.000	4.807	43867.37	0.0259	P	2.9	-3.9
4	☐	10.000	9.826	90129.48	0.0529	P	1.7	-1.7
5	☐	100.000	100.733	925627.17	0.5415	P	2.3	0.7
6	☐	200.000	199.647	1808033.99	1.0731	P	1.7	-0.2
7	☐	1.000						

y = 0.0054 * x + 7.7765E-005
R = 1.0000
DL = 0.009946 ppb
BEC = 0.01447 ppb

Weight: <None>
Min Conc: <None>

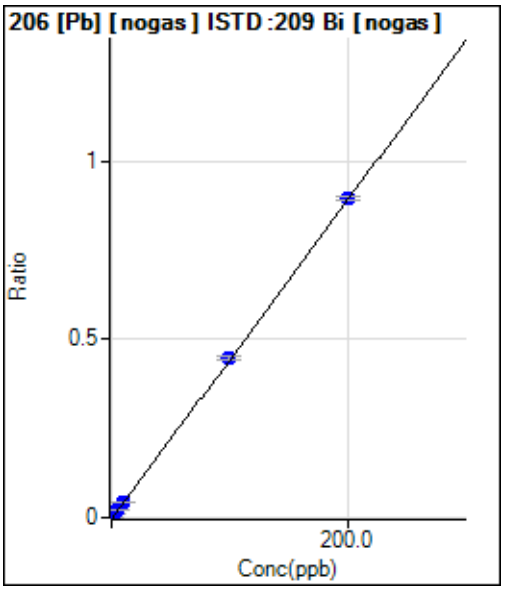


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	280.01	0.0002	P	6.0	
2	☐	2.000	1.901	41737.35	0.0249	P	2.5	-4.9
3	☐	5.000	4.871	107527.98	0.0635	P	3.9	-2.6
4	☐	10.000	9.702	215416.93	0.1264	P	1.7	-3.0
5	☐	100.000	99.795	2220111.11	1.2987	P	2.5	-0.2
6	☐	200.000	200.121	4387590.66	2.6042	P	1.5	0.1
7	☐	1.000						

y = 0.0130 * x + 1.6752E-004
R = 1.0000
DL = 0.002319 ppb
BEC = 0.01287 ppb

Weight: <None>
Min Conc: <None>

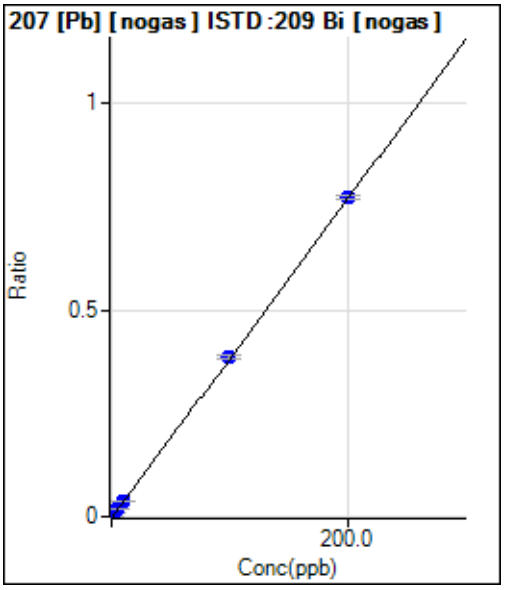
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	286.68	0.0002	P	26.1	
2	☐	2.000	1.969	15071.88	0.0090	P	4.2	-1.6
3	☐	5.000	4.903	37481.96	0.0221	P	2.3	-1.9
4	☐	10.000	9.840	75444.68	0.0443	P	2.9	-1.6
5	☐	100.000	99.958	766087.36	0.4482	P	2.2	0.0
6	☐	200.000	200.032	1510692.32	0.8967	P	1.5	0.0
7	☐	1.000						

y = 0.0045 * x + 1.7149E-004
R = 1.0000
DL = 0.02998 ppb
BEC = 0.03827 ppb

Weight: <None>
Min Conc: <None>

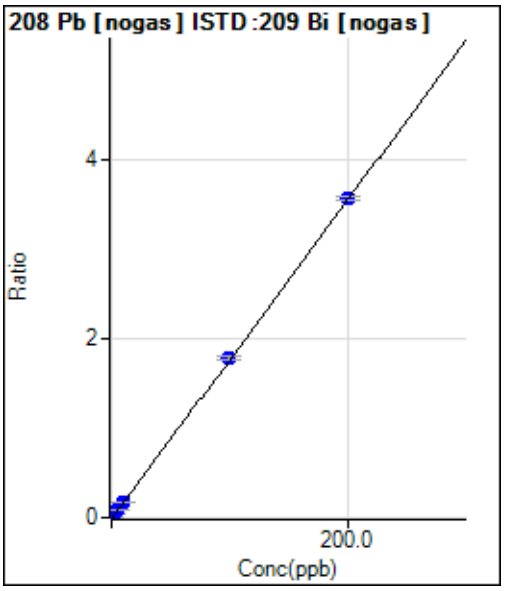


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	263.34	0.0002	P	9.7	
2	☐	2.000	1.943	12842.93	0.0077	P	2.7	-2.9
3	☐	5.000	4.795	31616.94	0.0187	P	3.3	-4.1
4	☐	10.000	9.826	64954.87	0.0381	P	3.3	-1.7
5	☐	100.000	100.169	661812.11	0.3871	P	1.7	0.2
6	☐	200.000	199.930	1301556.98	0.7725	P	1.6	0.0
7	☐	1.000						

y = 0.0039 * x + 1.5758E-004
R = 1.0000
DL = 0.01186 ppb
BEC = 0.04079 ppb

Weight: <None>
Min Conc: <None>

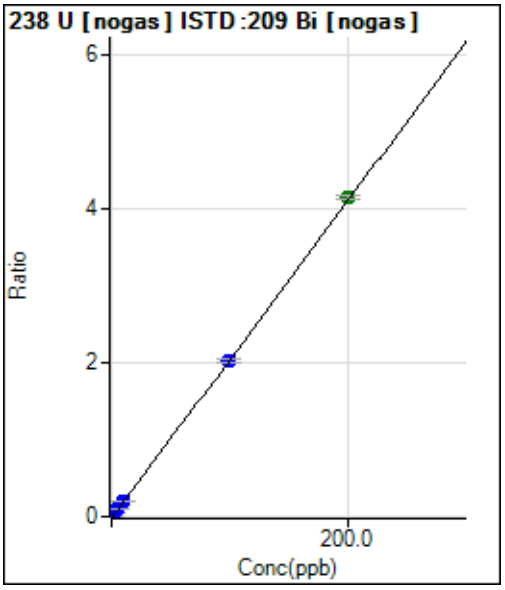
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1073.38	0.0006	P	3.2	
2	☐	2.000	1.955	59622.20	0.0356	P	3.1	-2.2
3	☐	5.000	4.876	148533.06	0.0878	P	2.5	-2.5
4	☐	10.000	9.797	299411.81	0.1757	P	1.7	-2.0
5	☐	100.000	100.169	3060892.88	1.7905	P	2.1	0.2
6	☐	200.000	199.929	6020006.55	3.5731	P	1.5	0.0
7	☐	1.000						

y = 0.0179 * x + 6.4225E-004
R = 1.0000
DL = 0.003463 ppb
BEC = 0.03594 ppb

Weight: <None>
Min Conc: <None>

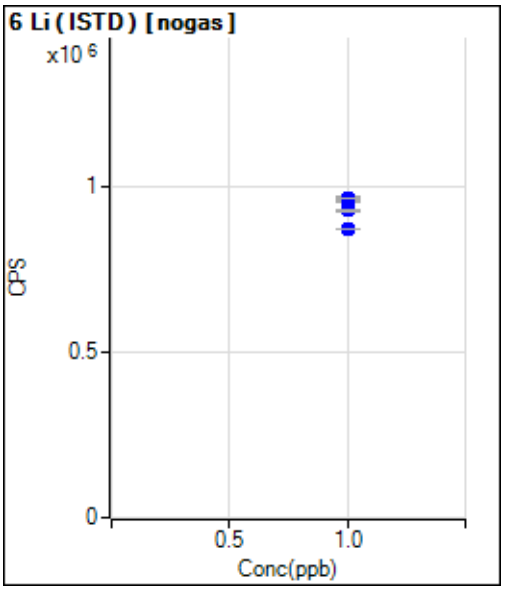


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	310.01	0.0002	P	17.8	
2	☐	2.000	1.873	65138.76	0.0389	P	2.8	-6.3
3	☐	5.000	4.565	159834.33	0.0944	P	3.2	-8.7
4	☐	10.000	9.319	328191.96	0.1926	P	2.4	-6.8
5	☐	100.000	97.739	3450238.91	2.0184	P	2.7	-2.3
6	☐	200.000	201.177	6999179.48	4.1542	A	1.2	0.6
7	☐	1.000						

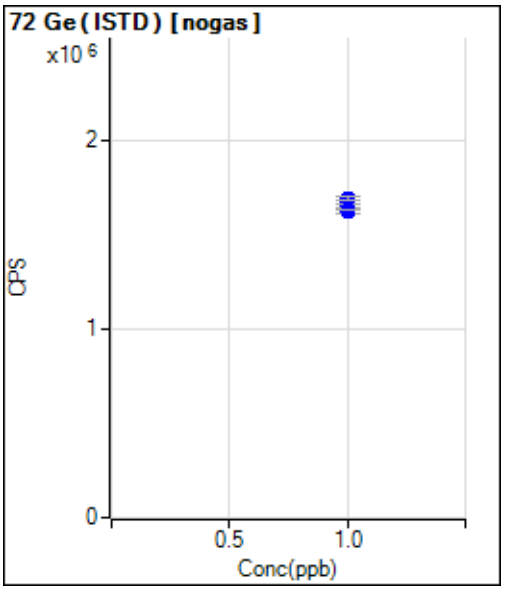
y = 0.0206 * x + 1.8546E-004
R = 0.9999
DL = 0.004806 ppb
BEC = 0.008982 ppb

Weight: <None>
Min Conc: <None>

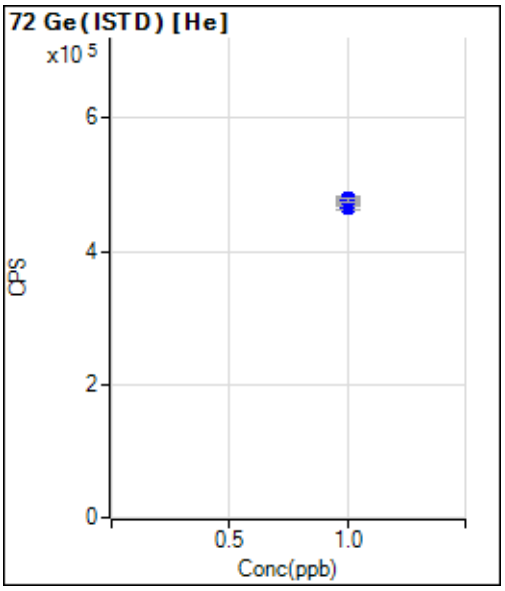
Calibration for 021_ICV.d



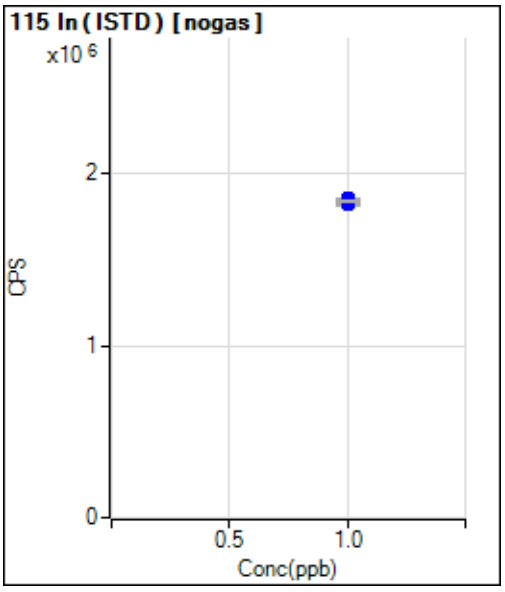
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		967339.16		P	0.6	
2	☐	1.000		966245.86		P	1.2	
3	☐	1.000		958484.46		P	1.1	
4	☐	1.000		965836.18		P	0.2	
5	☐	1.000		931278.40		P	0.7	
6	☐	1.000		873264.98		P	0.4	
7	☐	1.000						



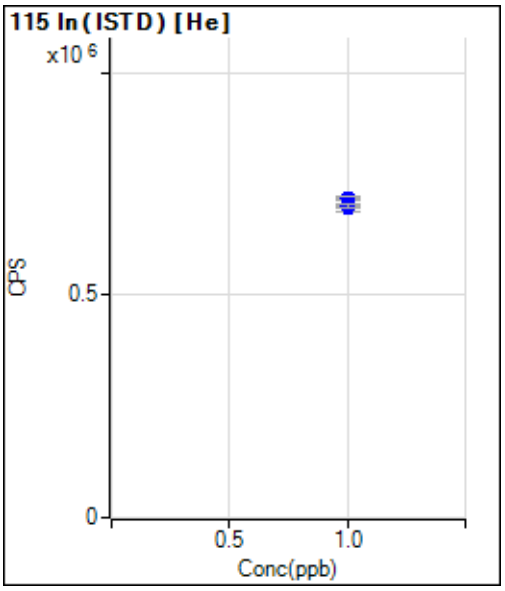
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1618408.42		P	1.5	
2	☐	1.000		1636078.57		P	0.5	
3	☐	1.000		1628825.76		P	0.5	
4	☐	1.000		1645082.06		P	1.4	
5	☐	1.000		1673132.48		P	1.2	
6	☐	1.000		1690038.31		P	0.7	
7	☐	1.000						



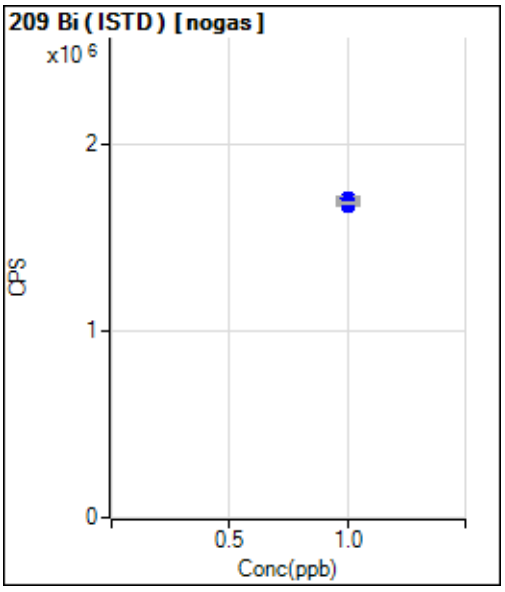
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		465764.03		P	1.1	
2	☐	1.000		470467.93		P	0.4	
3	☐	1.000		479845.34		P	1.1	
4	☐	1.000		479069.47		P	1.5	
5	☐	1.000		479231.50		P	0.8	
6	☐	1.000		476707.34		P	1.1	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1821198.24		P	1.2	
2	☐	1.000		1836283.12		P	1.2	
3	☐	1.000		1833513.71		P	0.6	
4	☐	1.000		1850296.35		P	1.0	
5	☐	1.000		1856596.07		P	0.4	
6	☐	1.000		1838617.27		P	0.3	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		697773.09		P	2.4	
2	☐	1.000		701008.83		P	0.6	
3	☐	1.000		715216.24		P	0.7	
4	☐	1.000		718144.93		P	1.0	
5	☐	1.000		703617.92		P	0.8	
6	☐	1.000		699074.91		P	1.2	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1671347.53		P	0.2	
2	☐	1.000		1676189.66		P	1.3	
3	☐	1.000		1692910.70		P	1.9	
4	☐	1.000		1704058.15		P	0.2	
5	☐	1.000		1709719.56		P	1.4	
6	☐	1.000		1684807.63		P	0.2	
7	☐	1.000						

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	011CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T09:55:15-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	97	6.18
B	11	1	nogas	18646	0.01
Al	27	1	nogas	36347	0.01
P	31	1	nogas	31215	0.01
Ti	47	1	nogas	130	23.67
Ni	60	1	nogas	247	5.02
Cu	63	1	nogas	1173	0.33
Zn	66	1	nogas	2240	0.43
Se	77	1	nogas	3947	0.35
Se	82	1	nogas	187	13.56
Sr	88	1	nogas	560	3.37
Mo	95	1	nogas	260	11.83
Ag	107	1	nogas	117	22.45
Cd	111	1	nogas	6	1569.78
Sn	118	1	nogas	2494	0.38
Sb	121	1	nogas	1260	0.29
Ba	137	1	nogas	107	30.87
Tl	205	1	nogas	280	2.21
Pb	208	1	nogas	1073	0.28
Li	7	1	nogas	70314	0.00
Na	23	2	He	33530	0.01
Mg	24	2	He	650	2.26
Al	27	2	He	1413	0.63
K	39	2	He	63124	0.00
Ca	43	2	He	17	207.85
Ca	44	2	He	717	2.08
V	51	2	He	2070	0.54
Cr	52	2	He	8212	0.08
Mn	55	2	He	320	4.26
Fe	56	2	He	10834	0.04
Co	59	2	He	103	14.31
Ni	60	2	He	130	35.99
Cu	63	2	He	487	2.33
Zn	66	2	He	793	0.82
As	75	2	He	147	1.55
Sb	121	2	He	593	1.85
Se	78	2	He	65	12.04

Calibration Blank Report

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Ge	72	1	nogas	1618408	1.51
In	115	1	nogas	1821198	1.20

Calibration Blank Report

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	1	nogas	967339	0.58
Bi	209	1	nogas	1671348	0.24
Ge	72	2	He	465764	1.11
In	115	2	He	697773	2.35

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	012CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T09:57:22-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	10230	0.03
B	11	1	nogas	47225	0.00
Al	27	1	nogas	59549	0.00
P	31	1	nogas	32358	0.01
Ti	47	1	nogas	2917	0.13
Ni	60	1	nogas	8219	0.01
Cu	63	1	nogas	19603	0.02
Zn	66	1	nogas	7442	0.04
Se	77	1	nogas	4137	0.12
Se	82	1	nogas	507	3.51
Sr	88	1	nogas	42622	0.01
Mo	95	1	nogas	9110	0.04
Ag	107	1	nogas	22795	0.00
Cd	111	1	nogas	4417	0.13
Sn	118	1	nogas	14801	0.01
Sb	121	1	nogas	20024	0.02
Ba	137	1	nogas	6952	0.07
Tl	205	1	nogas	41737	0.00
Pb	208	1	nogas	59622	0.00
Na	23	2	He	312321	0.00
Mg	24	2	He	159855	0.00
Al	27	2	He	2260	0.35
K	39	2	He	223240	0.00
Ca	43	2	He	503	0.60
Ca	44	2	He	8513	0.02
V	51	2	He	12583	0.02
Cr	52	2	He	19686	0.01
Mn	55	2	He	8659	0.02
Fe	56	2	He	1018526	0.00
Co	59	2	He	15081	0.01
Ni	60	2	He	3874	0.11
Cu	63	2	He	9787	0.03
Zn	66	2	He	2824	0.26
As	75	2	He	1589	0.35
Sb	121	2	He	8222	0.03
Se	78	2	He	200	6.06

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1636079	0.50	1618408	101.09	70	120	
In	115	1	nogas	1836283	1.21	1821198	100.83	70	120	
Li	6	1	nogas	966246	1.17	967339	99.89	70	120	
Bi	209	1	nogas	1676190	1.27	1671348	100.29	70	120	
Ge	72	2	He	470468	0.37	465764	101.01	70	120	
In	115	2	He	701009	0.59	697773	100.46	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	013CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T09:59:32-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	25850	0.01
B	11	1	nogas	92551	0.00
Al	27	1	nogas	100617	0.00
P	31	1	nogas	33928	0.00
Ti	47	1	nogas	6535	0.11
Ni	60	1	nogas	20267	0.03
Cu	63	1	nogas	49104	0.00
Zn	66	1	nogas	16296	0.03
Se	77	1	nogas	4631	0.12
Se	82	1	nogas	1100	0.95
Sr	88	1	nogas	106724	0.00
Mo	95	1	nogas	22394	0.01
Ag	107	1	nogas	57303	0.00
Cd	111	1	nogas	11047	0.04
Sn	118	1	nogas	38703	0.04
Sb	121	1	nogas	46953	0.00
Ba	137	1	nogas	16710	0.02
Tl	205	1	nogas	107528	0.00
Pb	208	1	nogas	148533	0.00
Na	23	2	He	728884	0.00
Mg	24	2	He	400062	0.00
Al	27	2	He	4254	0.18
K	39	2	He	466594	0.00
Ca	43	2	He	1173	0.43
Ca	44	2	He	20584	0.01
V	51	2	He	26394	0.01
Cr	52	2	He	36705	0.00
Mn	55	2	He	21239	0.01
Fe	56	2	He	2560207	0.00
Co	59	2	He	38593	0.01
Ni	60	2	He	9637	0.04
Cu	63	2	He	25218	0.00
Zn	66	2	He	5928	0.07
As	75	2	He	3914	0.04
Sb	121	2	He	20261	0.00
Se	78	2	He	378	1.54

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1628826	0.52	1618408	100.64	70	120	
In	115	1	nogas	1833514	0.57	1821198	100.68	70	120	
Li	6	1	nogas	958484	1.11	967339	99.08	70	120	
Bi	209	1	nogas	1692911	1.91	1671348	101.29	70	120	
Ge	72	2	He	479845	1.08	465764	103.02	70	120	
In	115	2	He	715216	0.71	697773	102.50	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/1000
Data File Name	014CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T10:01:40-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	51134	0.00
B	11	1	nogas	171414	0.00
Al	27	1	nogas	169397	0.00
P	31	1	nogas	37042	0.01
Ti	47	1	nogas	13189	0.03
Ni	60	1	nogas	41184	0.01
Cu	63	1	nogas	97878	0.00
Zn	66	1	nogas	30284	0.01
Se	77	1	nogas	5194	0.08
Se	82	1	nogas	1853	0.12
Sr	88	1	nogas	216755	0.00
Mo	95	1	nogas	46721	0.00
Ag	107	1	nogas	117733	0.00
Cd	111	1	nogas	22581	0.02
Sn	118	1	nogas	69678	0.00
Sb	121	1	nogas	95519	0.00
Ba	137	1	nogas	34769	0.00
Tl	205	1	nogas	215417	0.00
Pb	208	1	nogas	299412	0.00
Na	23	2	He	1454467	0.00
Mg	24	2	He	816737	0.00
Al	27	2	He	6288	0.03
K	39	2	He	885693	0.00
Ca	43	2	He	2304	0.60
Ca	44	2	He	40732	0.01
V	51	2	He	52408	0.00
Cr	52	2	He	66225	0.00
Mn	55	2	He	44824	0.00
Fe	56	2	He	5441190	0.00
Co	59	2	He	75449	0.00
Ni	60	2	He	19446	0.01
Cu	63	2	He	49679	0.00
Zn	66	2	He	11508	0.01
As	75	2	He	8030	0.04
Sb	121	2	He	39992	0.01
Se	78	2	He	811	0.42

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1645082	1.43	1618408	101.65	70	120	
In	115	1	nogas	1850296	1.04	1821198	101.60	70	120	
Li	6	1	nogas	965836	0.23	967339	99.84	70	120	
Bi	209	1	nogas	1704058	0.22	1671348	101.96	70	120	
Ge	72	2	He	479069	1.46	465764	102.86	70	120	
In	115	2	He	718145	1.04	697773	102.92	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	015CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T10:03:47-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	531175	0.00
B	11	1	nogas	1615318	0.00
Al	27	1	nogas	1395196	0.00
P	31	1	nogas	75000	0.00
Ti	47	1	nogas	137314	0.00
Ni	60	1	nogas	408113	0.00
Cu	63	1	nogas	983711	0.00
Zn	66	1	nogas	292103	0.00
Se	77	1	nogas	15805	0.03
Se	82	1	nogas	15875	0.04
Sr	88	1	nogas	2233774	0.00
Mo	95	1	nogas	479529	0.00
Ag	107	1	nogas	1186065	0.00
Cd	111	1	nogas	228251	0.00
Sn	118	1	nogas	703367	0.00
Sb	121	1	nogas	996493	0.00
Ba	137	1	nogas	354274	0.00
Tl	205	1	nogas	2220111	0.00
Pb	208	1	nogas	3060893	0.00
Na	23	2	He	14690716	0.00
Mg	24	2	He	8353225	0.00
Al	27	2	He	51102	0.00
K	39	2	He	8842404	0.00
Ca	43	2	He	24049	0.01
Ca	44	2	He	405940	0.00
V	51	2	He	513895	0.00
Cr	52	2	He	591203	0.00
Mn	55	2	He	444438	0.00
Fe	56	2	He	53632991	0.00
Co	59	2	He	774090	0.00
Ni	60	2	He	192664	0.00
Cu	63	2	He	493127	0.00
Zn	66	2	He	109538	0.00
As	75	2	He	78705	0.00
Sb	121	2	He	410710	0.00
Se	78	2	He	7310	0.02

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1673132	1.19	1618408	103.38	70	120	
In	115	1	nogas	1856596	0.36	1821198	101.94	70	120	
Li	6	1	nogas	931278	0.70	967339	96.27	70	120	
Bi	209	1	nogas	1709720	1.41	1671348	102.30	70	120	
Ge	72	2	He	479232	0.79	465764	102.89	70	120	
In	115	2	He	703618	0.75	697773	100.84	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	016CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T10:05:52-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	1033274	0.00
B	11	1	nogas	3223911	0.00
Al	27	1	nogas	2699526	0.00
P	31	1	nogas	115408	0.00
Ti	47	1	nogas	268595	0.00
Ni	60	1	nogas	798539	0.00
Cu	63	1	nogas	1909152	0.00
Zn	66	1	nogas	554716	0.00
Se	77	1	nogas	27887	0.01
Se	82	1	nogas	31227	0.01
Sr	88	1	nogas	4439862	0.00
Mo	95	1	nogas	972876	0.00
Ag	107	1	nogas	2339936	0.00
Cd	111	1	nogas	450318	0.00
Sn	118	1	nogas	1404732	0.00
Sb	121	1	nogas	1977213	0.00
Ba	137	1	nogas	698410	0.00
Tl	205	1	nogas	4387591	0.00
Pb	208	1	nogas	6020007	0.00
Na	23	2	He	28926821	0.00
Mg	24	2	He	16290940	0.00
Al	27	2	He	99752	0.00
K	39	2	He	17146550	0.00
Ca	43	2	He	47281	0.00
Ca	44	2	He	795961	0.00
V	51	2	He	1017626	0.00
Cr	52	2	He	1155851	0.00
Mn	55	2	He	868104	0.00
Fe	56	2	He	105829362	0.00
Co	59	2	He	1504871	0.00
Ni	60	2	He	373882	0.00
Cu	63	2	He	950394	0.00
Zn	66	2	He	205896	0.00
As	75	2	He	153932	0.00
Sb	121	2	He	809987	0.00
Se	78	2	He	14682	0.01

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	1690038	0.74	1618408	104.43	70	120	
In	115	1	nogas	1838617	0.26	1821198	100.96	70	120	
Li	6	1	nogas	873265	0.42	967339	90.27	70	120	
Bi	209	1	nogas	1684808	0.17	1671348	100.81	70	120	
Ge	72	2	He	476707	1.13	465764	102.35	70	120	
In	115	2	He	699075	1.15	697773	100.19	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICV
Data File Name	021_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T10:25:28-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	97.121	0.513	528574	1.80	100	97.1	90	110	
B	11	1	nogas	477.219	1.399	1620129	2.08	500	95.4	90	110	
Al	27	1	nogas	101.752	0.664	1399443	1.55	100	101.8	90	110	
P	31	1	nogas	513.873	2.315	75505	2.60	500	102.8	90	110	
Ti	47	1	nogas	102.165	0.844	138057	0.73	100	102.2	90	110	
Ni	60	1	nogas	101.465	1.189	407634	1.82	100	101.5	90	110	
Cu	63	1	nogas	102.159	0.712	983118	2.01	100	102.2	90	110	
Zn	66	1	nogas	104.033	1.109	292958	2.33	100	104.0	90	110	
Se	77	1	nogas	100.273	1.945	16019	0.90	100	100.3	90	110	
Se	82	1	nogas	104.895	2.424	16529	1.81	100	104.9	90	110	
Sr	88	1	nogas	99.844	0.570	2246162	1.30	100	99.8	90	110	
Mo	95	1	nogas	98.584	0.785	484047	1.61	100	98.6	90	110	
Ag	107	1	nogas	99.674	1.253	1183540	1.78	100	99.7	90	110	
Cd	111	1	nogas	99.959	1.517	228434	2.46	100	100.0	90	110	
Sn	118	1	nogas	98.914	0.596	704327	1.11	100	98.9	90	110	
Sb	121	1	nogas	99.483	0.679	986884	1.55	100	99.5	90	110	
Ba	137	1	nogas	99.150	0.555	351474	1.42	100	99.2	90	110	
Tl	205	1	nogas	99.664	0.900	2202820	1.36	100	99.7	90	110	
Pb	208	1	nogas	98.658	1.012	2995098	1.41	100	98.7	90	110	
U	238	1	nogas	96.651	1.505	3389868	1.98	100	96.7	90	110	
Li	7	1	nogas	97.137	0.708	1709099	1.01	100	97.1	90	110	
Ba	135	1	nogas	98.729	1.088	197437	2.06	100	98.7	90	110	
Tl	203	1	nogas	99.618	1.648	909500	2.15	100	99.6	90	110	
Na	23	2	He	10155.898	1.466	14777788	0.54	10000	101.6	90	110	
Mg	24	2	He	10324.495	2.330	8469306	1.19	10000	103.2	90	110	
Al	27	2	He	102.474	1.573	52025	0.66	100	102.5	90	110	
K	39	2	He	10294.027	3.294	8920513	2.17	10000	102.9	90	110	
Ca	43	2	He	10393.320	1.451	24714	1.21	10000	103.9	90	110	
Ca	44	2	He	10229.122	1.123	409858	0.51	10000	102.3	90	110	
V	51	2	He	101.346	2.494	518514	1.30	100	101.3	90	110	
Cr	52	2	He	101.305	2.042	592638	0.81	100	101.3	90	110	
Mn	55	2	He	100.916	1.364	441158	0.14	100	100.9	90	110	
Fe	56	2	He	10196.773	2.008	54215703	1.09	10000	102.0	90	110	
Co	59	2	He	101.862	2.247	772413	1.09	100	101.9	90	110	
Ni	60	2	He	102.040	1.993	192368	0.82	100	102.0	90	110	
Cu	63	2	He	101.579	2.463	487493	1.32	100	101.6	90	110	
Zn	66	2	He	103.727	2.531	108676	1.52	100	103.7	90	110	
As	75	2	He	101.938	0.851	79040	0.52	100	101.9	90	110	
Sb	121	2	He	100.900	1.830	410840	0.61	100	100.9	90	110	
Se	78	2	He	103.308	0.769	7619	1.97	100	103.3	90	110	
Ti	47	2	He	101.945	2.618	22594	1.59	100	101.9	90	110	
Zr	90	1	nogas	98.364	1.669	1541852	2.64	100	98.4	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1688943	1.42	1618408	104.36	70	120	
In	115	1	nogas	1864502	0.99	1821198	102.38	70	120	
Li	6	1	nogas	926700	1.31	967339	95.80	70	120	
Bi	209	1	nogas	1698326	0.51	1671348	101.61	70	120	
Ge	72	2	He	478227	1.23	465764	102.68	70	120	

Initial Calibration Verification (ICV) Report

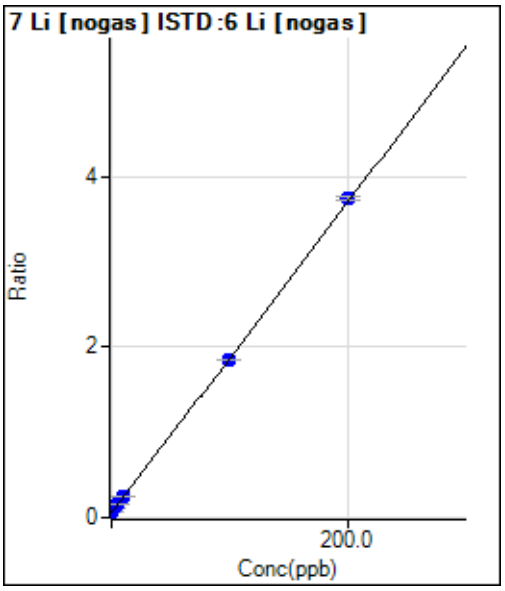
In	115	2	He	714327	0.34	697773	102.37	70	120	

Calibration for 021_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070524A.b\
Analysis File: 070524A.batch.bin
DA Date-Time: 7/6/2024 10:31:27 AM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	011CALB.d	CAL BLK	7/5/2024 9:55:15 AM
2	012CALS.d	2/10/200	7/5/2024 9:57:22 AM
3	013CALS.d	5/25/500	7/5/2024 9:59:32 AM
4	014CALS.d	10/50/1000	7/5/2024 10:01:40 AM
5	015CALS.d	100/500/10K	7/5/2024 10:03:47 AM
6	016CALS.d	200/1000/20K	7/5/2024 10:05:52 AM
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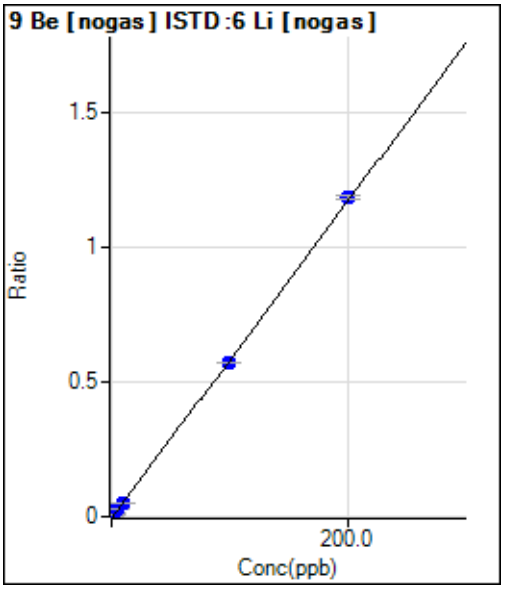
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	70314.06	0.0727	P	0.5	
2	☐	2.000	1.876	103295.55	0.1069	P	0.4	-6.2
3	☐	5.000	4.588	149868.10	0.1564	P	0.8	-8.2
4	☐	10.000	9.179	231893.77	0.2401	P	0.1	-8.2
5	☐	100.000	97.013	1715509.30	1.8421	P	0.1	-3.0
6	☐	200.000	201.546	3273523.08	3.7487	P	0.6	0.8
7	☐	1.000						

y = 0.0182 * x + 0.0727
R = 0.9998
DL = 0.05967 ppb
BEC = 3.985 ppb

Weight: <None>
Min Conc: <None>

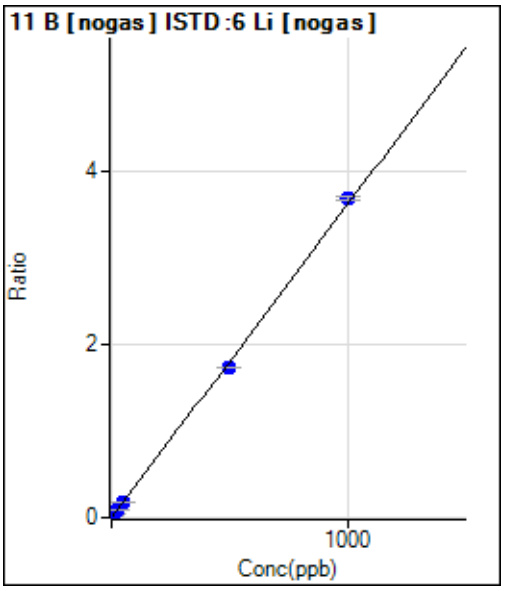


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	96.67	0.0001	P	6.5	
2	☐	2.000	1.786	10230.13	0.0106	P	2.7	-10.7
3	☐	5.000	4.577	25849.84	0.0270	P	2.7	-8.5
4	☐	10.000	9.000	51133.57	0.0529	P	1.4	-10.0
5	☐	100.000	97.120	531175.09	0.5704	P	0.6	-2.9
6	☐	200.000	201.503	1033273.79	1.1833	P	0.7	0.8
7	☐	1.000						

y = 0.0059 * x + 9.9952E-005
R = 0.9999
DL = 0.003295 ppb
BEC = 0.01702 ppb

Weight: <None>
Min Conc: <None>

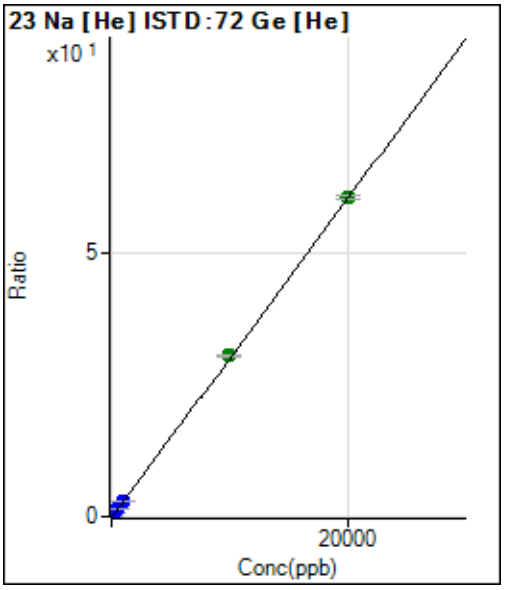
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18646.25	0.0193	P	1.1	
2	☐	10.000	8.171	47224.78	0.0489	P	2.1	-18.3
3	☐	25.000	21.334	92551.37	0.0966	P	1.1	-14.7
4	☐	50.000	43.666	171413.55	0.1775	P	1.5	-12.7
5	☐	500.000	473.414	1615318.41	1.7344	P	0.9	-5.3
6	☐	1000.000	1013.720	3223910.99	3.6920	P	1.7	1.4
7	☐	5.000						

y = 0.0036 * x + 0.0193
R = 0.9995
DL = 0.1706 ppb
BEC = 5.32 ppb

Weight: <None>
Min Conc: <None>

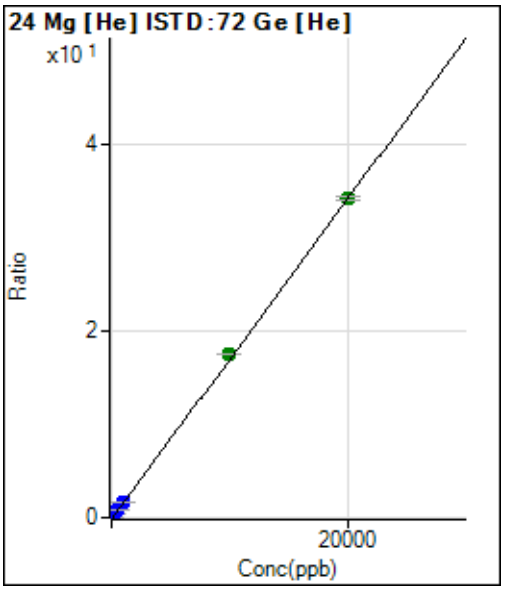


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	33530.00	0.0720	P	2.5	
2	☐	200.000	194.953	312321.38	0.6638	P	0.2	-2.5
3	☐	500.000	476.644	728884.42	1.5190	P	0.4	-4.7
4	☐	1000.000	976.408	1454466.75	3.0363	P	1.3	-2.4
5	☐	10000.00	10073.15	14690716.45	30.6535	A	0.9	0.7
6	☐	20000.00	19965.23	28926821.24	60.6853	A	1.1	-0.2
7	☐	100.000						

y = 0.0030 * x + 0.0720
R = 1.0000
DL = 1.812 ppb
BEC = 23.71 ppb

Weight: <None>
Min Conc: <None>

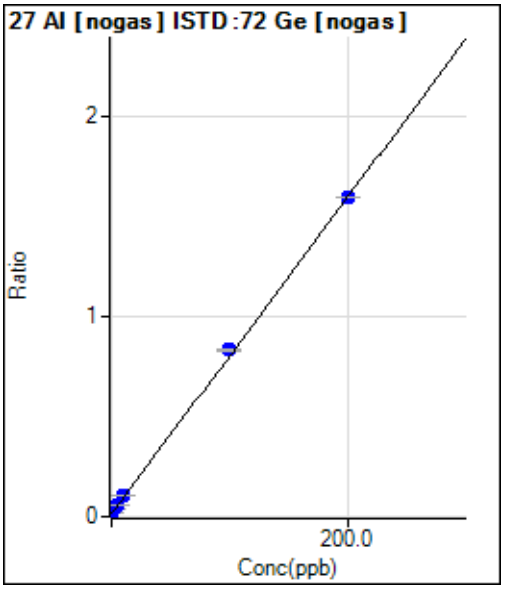
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	650.03	0.0014	P	13.6	
2	☐	200.000	197.259	159854.54	0.3398	P	2.0	-1.4
3	☐	500.000	485.191	400062.05	0.8337	P	0.2	-3.0
4	☐	1000.000	993.120	816736.94	1.7051	P	1.6	-0.7
5	☐	10000.00	10159.62	8353225.29	17.4303	A	0.2	1.6
6	☐	20000.00	19920.93	16290939.76	34.1758	A	0.8	-0.4
7	☐	100.000						

y = 0.0017 * x + 0.0014
R = 1.0000
DL = 0.3321 ppb
BEC = 0.8127 ppb

Weight: <None>
Min Conc: <None>

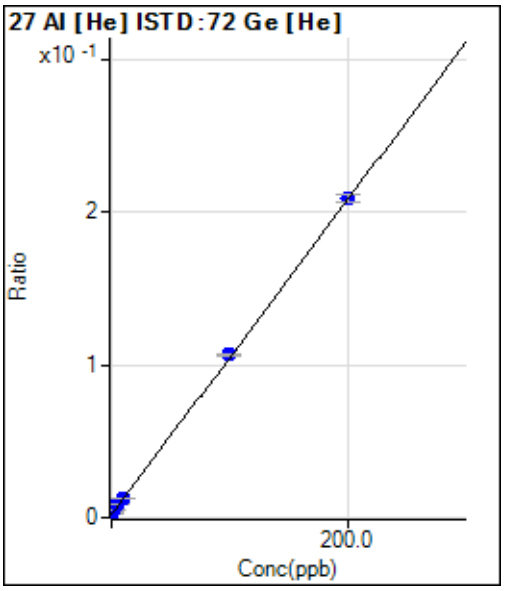


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36346.67	0.0225	P	2.7	
2	☐	2.000	1.759	59548.71	0.0364	P	1.2	-12.1
3	☐	5.000	4.962	100616.87	0.0618	P	0.8	-0.8
4	☐	10.000	10.164	169397.06	0.1030	P	1.6	1.6
5	☐	100.000	102.425	1395195.81	0.8339	P	0.9	2.4
6	☐	200.000	198.783	2699526.21	1.5973	P	0.5	-0.6
7	☐	1.000						

y = 0.0079 * x + 0.0225
R = 0.9999
DL = 0.2276 ppb
BEC = 2.835 ppb

Weight: <None>
Min Conc: <None>

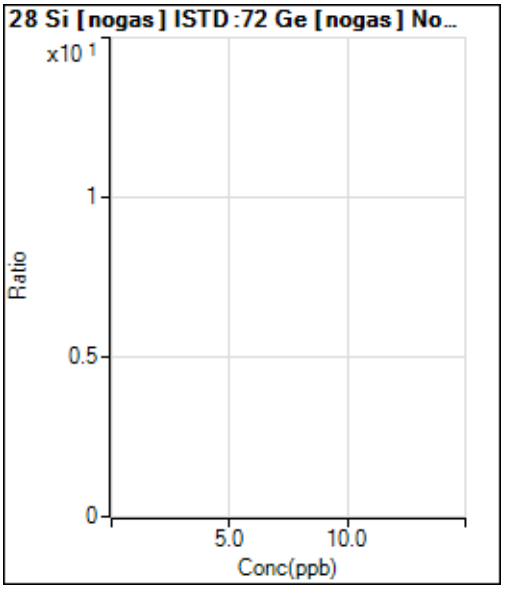
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1413.43	0.0030	P	8.6	
2	☐	2.000	1.714	2260.20	0.0048	P	7.6	-14.3
3	☐	5.000	5.654	4253.99	0.0089	P	8.8	13.1
4	☐	10.000	9.778	6288.07	0.0131	P	1.5	-2.2
5	☐	100.000	100.377	51101.65	0.1066	P	1.0	0.4
6	☐	200.000	199.809	99751.83	0.2093	P	1.9	-0.1
7	☐	1.000						

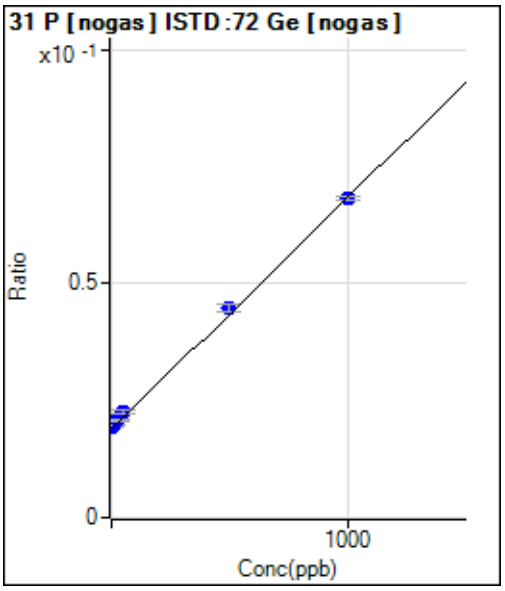
y = 0.0010 * x + 0.0030
R = 1.0000
DL = 0.76 ppb
BEC = 2.94 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

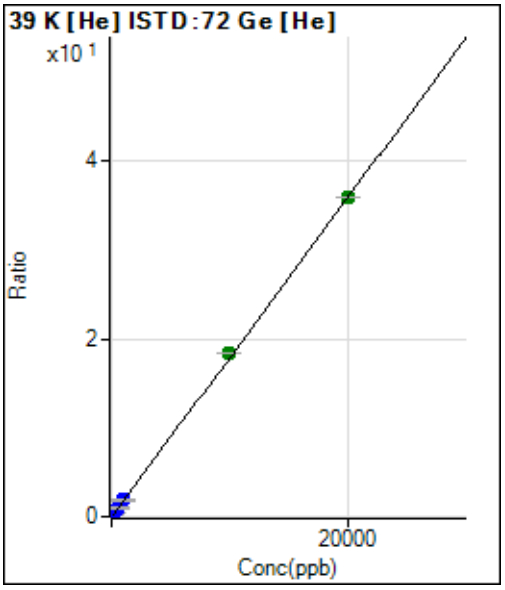
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	31215.34	0.0193	P	0.7	
2	☐	10.000	9.910	32357.79	0.0198	P	1.6	-0.9
3	☐	25.000	31.186	33927.92	0.0208	P	0.8	24.7
4	☐	50.000	65.491	37041.74	0.0225	P	4.4	31.0
5	☐	500.000	516.429	75000.16	0.0448	P	3.0	3.3
6	☐	1000.000	990.857	115407.95	0.0683	P	1.1	-0.9
7	☐	5.000						

y = 4.9456E-005 * x + 0.0193
R = 0.9997
DL = 8.487 ppb
BEC = 390 ppb

Weight: <None>
Min Conc: <None>

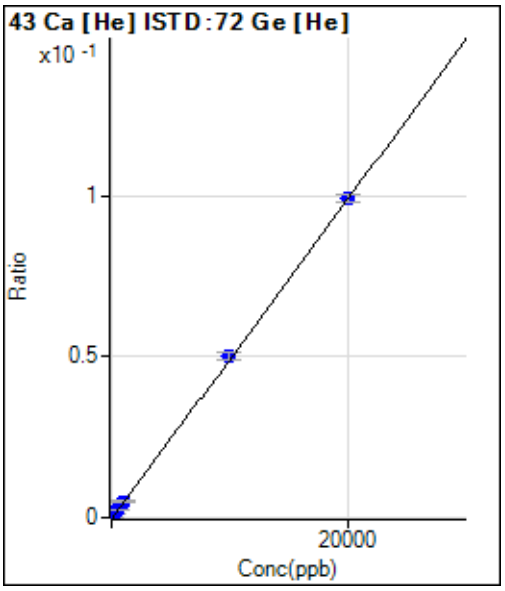


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63124.10	0.1355	P	1.3	
2	☐	200.000	188.386	223239.54	0.4745	P	0.7	-5.8
3	☐	500.000	465.099	466594.32	0.9724	P	0.6	-7.0
4	☐	1000.000	952.339	885693.45	1.8491	P	2.1	-4.8
5	☐	10000.00	10179.31	8842404.24	18.4516	A	0.6	1.8
6	☐	20000.00	19913.71	17146549.75	35.9672	A	0.6	-0.4
7	☐	100.000						

y = 0.0018 * x + 0.1355
R = 0.9999
DL = 2.862 ppb
BEC = 75.32 ppb

Weight: <None>
Min Conc: <None>

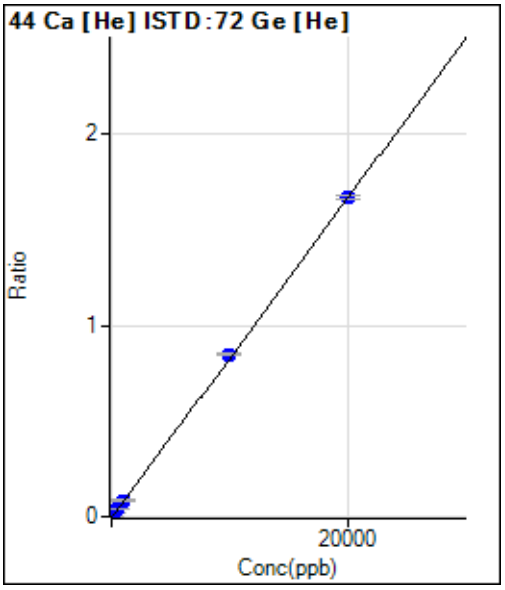
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16.67	0.0000	P	35.4	
2	☐	200.000	208.108	503.35	0.0011	P	3.4	4.1
3	☐	500.000	484.988	1173.40	0.0024	P	5.4	-3.0
4	☐	1000.000	959.297	2303.56	0.0048	P	12.4	-4.1
5	☐	10000.00	10093.36	24049.25	0.0502	P	3.8	0.9
6	☐	20000.00	19955.64	47280.55	0.0992	P	2.3	-0.2
7	☐	100.000						

y = 4.9691E-006 * x + 3.5872E-005
R = 1.0000
DL = 7.664 ppb
BEC = 7.219 ppb

Weight: <None>
Min Conc: <None>

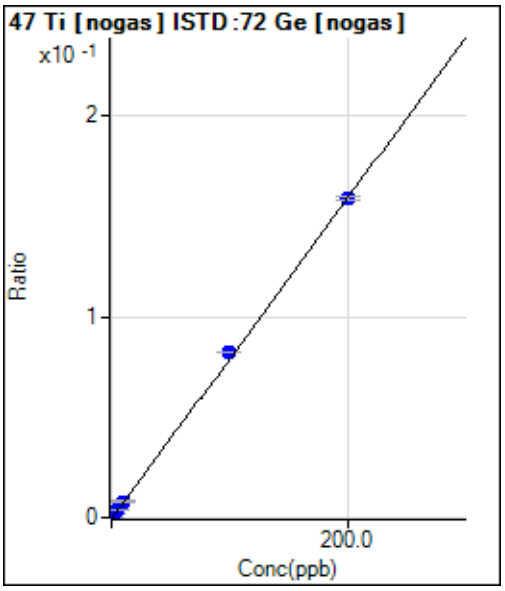


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	716.70	0.0015	P	13.8	
2	☐	200.000	197.958	8512.50	0.0181	P	2.2	-1.0
3	☐	500.000	494.504	20584.23	0.0429	P	0.7	-1.1
4	☐	1000.000	998.309	40731.56	0.0850	P	3.1	-0.2
5	☐	10000.00	10108.72	405940.46	0.8470	P	0.8	1.1
6	☐	20000.00	19945.88	795961.24	1.6698	P	1.3	-0.3
7	☐	100.000						

y = 8.3641E-005 * x + 0.0015
R = 1.0000
DL = 7.609 ppb
BEC = 18.38 ppb

Weight: <None>
Min Conc: <None>

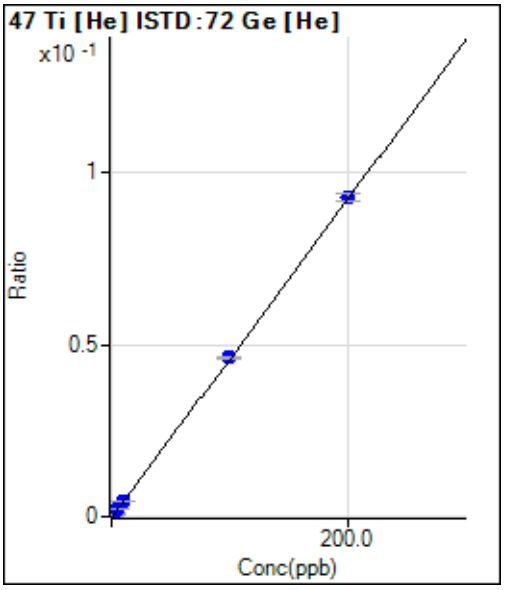
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	130.00	0.0001	P	30.0	
2	☐	2.000	2.130	2917.00	0.0018	P	3.9	6.5
3	☐	5.000	4.918	6534.89	0.0040	P	6.7	-1.6
4	☐	10.000	9.928	13189.32	0.0080	P	3.4	-0.7
5	☐	100.000	102.570	137313.69	0.0821	P	0.4	2.6
6	☐	200.000	198.719	268595.35	0.1589	P	1.0	-0.6
7	☐	1.000						

y = 7.9937E-004 * x + 8.0231E-005
R = 0.9999
DL = 0.09019 ppb
BEC = 0.1004 ppb

Weight: <None>
Min Conc: <None>

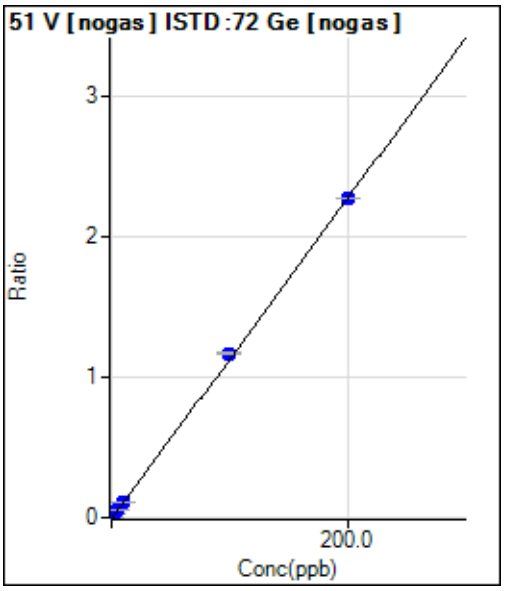


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16.67	0.0000	P	125.7	
2	☐	2.000	1.682	383.34	0.0008	P	6.9	-15.9
3	☐	5.000	4.868	1100.06	0.0023	P	10.5	-2.6
4	☐	10.000	9.956	2226.88	0.0046	P	4.0	-0.4
5	☐	100.000	99.582	22119.74	0.0462	P	1.3	-0.4
6	☐	200.000	200.218	44221.25	0.0928	P	1.8	0.1
7	☐	1.000						

y = 4.6317E-004 * x + 3.5987E-005
R = 1.0000
DL = 0.2929 ppb
BEC = 0.0777 ppb

Weight: <None>
Min Conc: <None>

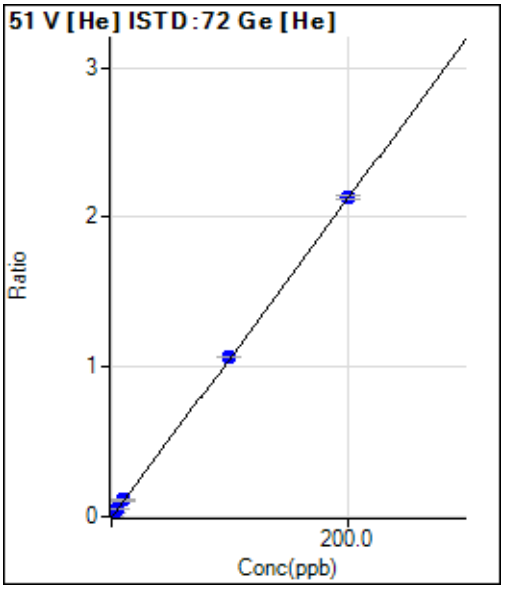
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	738.52	0.0004	P	363.7	
2	☐	2.000	1.890	36047.68	0.0220	P	7.3	-5.5
3	☐	5.000	5.070	95067.60	0.0584	P	3.8	1.4
4	☐	10.000	9.896	186705.59	0.1135	P	1.0	-1.0
5	☐	100.000	102.236	1954673.58	1.1684	P	1.5	2.2
6	☐	200.000	198.886	3840635.03	2.2725	P	0.6	-0.6
7	☐	1.000						

y = 0.0114 * x + 4.4018E-004
R = 0.9999
DL = 0.4204 ppb
BEC = 0.03853 ppb

Weight: <None>
Min Conc: <None>

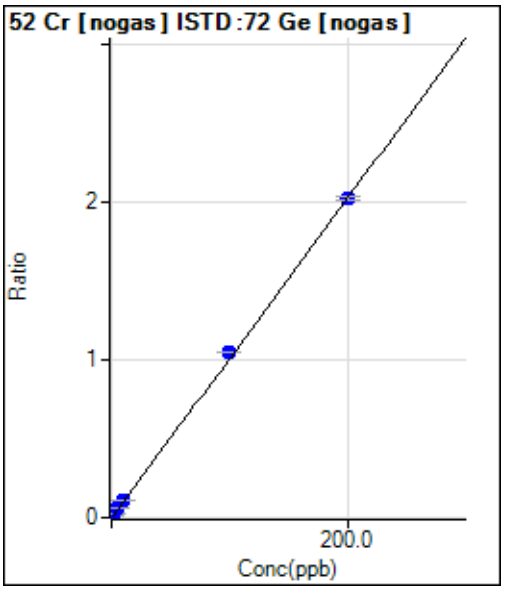


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2069.51	0.0044	P	12.1	
2	☐	2.000	2.092	12582.91	0.0267	P	2.8	4.6
3	☐	5.000	4.744	26393.80	0.0550	P	0.5	-5.1
4	☐	10.000	9.848	52407.60	0.1094	P	2.1	-1.5
5	☐	100.000	100.210	513895.41	1.0723	P	0.3	0.2
6	☐	200.000	199.908	1017625.98	2.1348	P	0.7	0.0
7	☐	1.000						

y = 0.0107 * x + 0.0044
R = 1.0000
DL = 0.1517 ppb
BEC = 0.4173 ppb

Weight: <None>
Min Conc: <None>

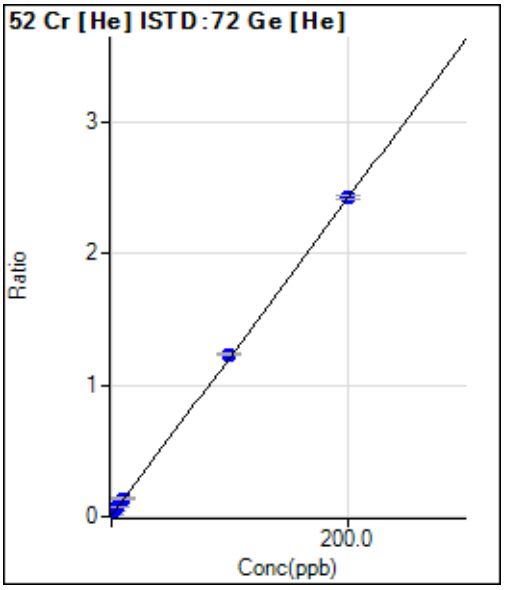
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11688.09	0.0072	P	1.1	
2	☐	2.000	1.977	44629.54	0.0273	P	0.3	-1.1
3	☐	5.000	4.959	93709.96	0.0575	P	1.1	-0.8
4	☐	10.000	10.113	180630.89	0.1098	P	1.7	1.1
5	☐	100.000	102.497	1751755.86	1.0471	P	0.8	2.5
6	☐	200.000	198.747	3419847.76	2.0235	P	1.1	-0.6
7	☐	1.000						

y = 0.0101 * x + 0.0072
R = 0.9999
DL = 0.02359 ppb
BEC = 0.7118 ppb

Weight: <None>
Min Conc: <None>

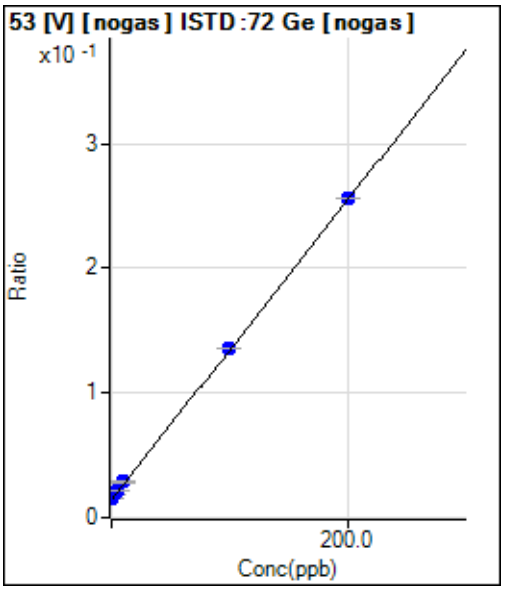


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8212.38	0.0176	P	7.1	
2	☐	2.000	2.007	19686.40	0.0418	P	2.0	0.4
3	☐	5.000	4.880	36704.82	0.0765	P	1.0	-2.4
4	☐	10.000	10.000	66225.04	0.1382	P	2.3	0.0
5	☐	100.000	100.822	591202.90	1.2336	P	0.4	0.8
6	☐	200.000	199.592	1155850.61	2.4249	P	1.1	-0.2
7	☐	1.000						

y = 0.0121 * x + 0.0176
R = 1.0000
DL = 0.3128 ppb
BEC = 1.463 ppb

Weight: <None>
Min Conc: <None>

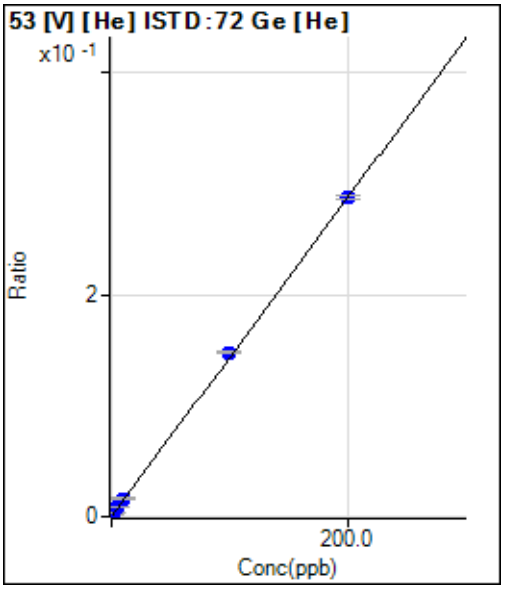
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25381.64	0.0157	P	2.8	
2	☐	2.000	1.964	29532.62	0.0181	P	2.2	-1.8
3	☐	5.000	4.680	34723.66	0.0213	P	1.6	-6.4
4	☐	10.000	10.811	47207.34	0.0287	P	1.7	8.1
5	☐	100.000	100.029	227644.60	0.1361	P	0.7	0.0
6	☐	200.000	199.953	433182.99	0.2563	P	0.6	0.0
7	☐	1.000						

y = 0.0012 * x + 0.0157
R = 1.0000
DL = 1.11 ppb
BEC = 13.03 ppb

Weight: <None>
Min Conc: <None>

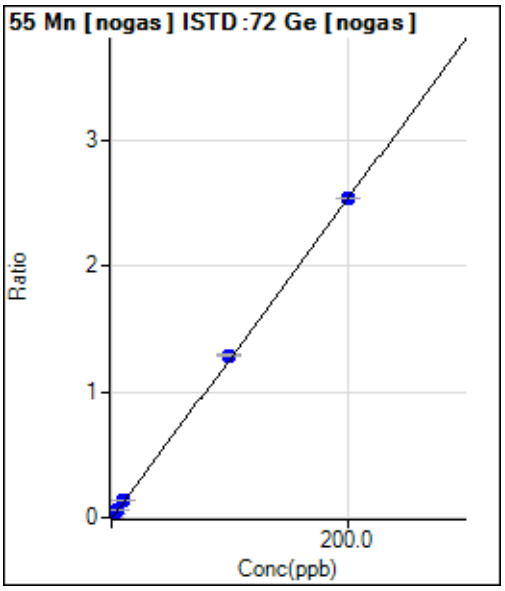


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	823.37	0.0018	P	6.3	
2	☐	2.000	1.665	1956.83	0.0042	P	5.1	-16.8
3	☐	5.000	5.103	4367.37	0.0091	P	1.1	2.1
4	☐	10.000	10.234	7892.18	0.0165	P	2.2	2.3
5	☐	100.000	101.714	70912.72	0.1480	P	1.4	1.7
6	☐	200.000	199.132	137276.40	0.2880	P	1.4	-0.4
7	☐	1.000						

y = 0.0014 * x + 0.0018
R = 0.9999
DL = 0.232 ppb
BEC = 1.229 ppb

Weight: <None>
Min Conc: <None>

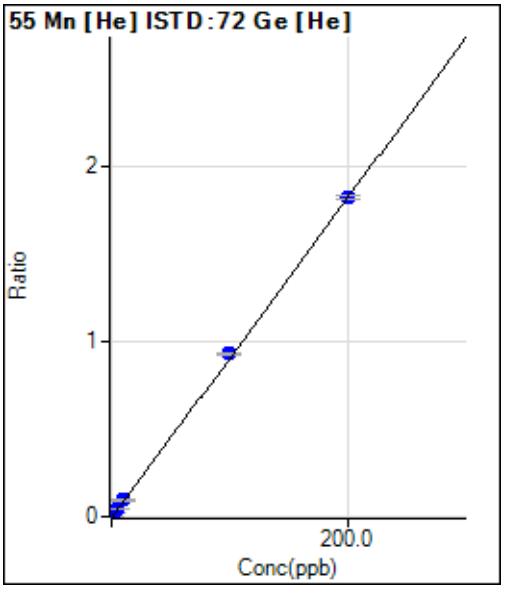
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4784.19	0.0030	P	5.2	
2	☐	2.000	1.976	46043.72	0.0281	P	1.9	-1.2
3	☐	5.000	5.010	108816.47	0.0668	P	1.2	0.2
4	☐	10.000	10.125	217152.02	0.1320	P	1.1	1.3
5	☐	100.000	101.248	2163714.71	1.2932	P	1.1	1.2
6	☐	200.000	199.370	4298971.50	2.5437	P	0.3	-0.3
7	☐	1.000						

y = 0.0127 * x + 0.0030
R = 1.0000
DL = 0.03649 ppb
BEC = 0.232 ppb

Weight: <None>
Min Conc: <None>

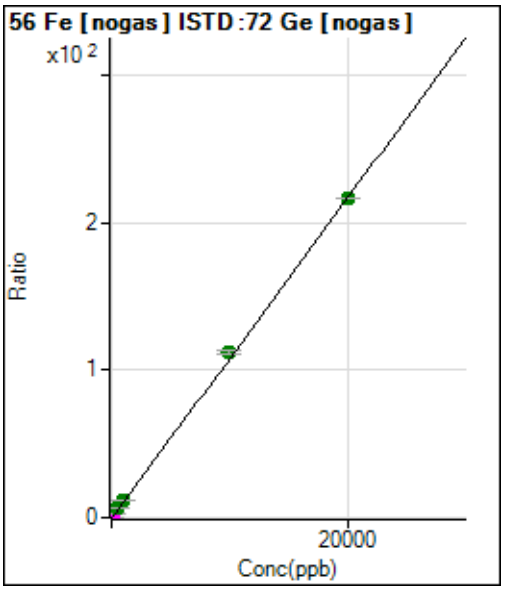


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	320.01	0.0007	P	13.9	
2	☐	2.000	1.940	8659.30	0.0184	P	1.6	-3.0
3	☐	5.000	4.770	21238.61	0.0443	P	1.6	-4.6
4	☐	10.000	10.166	44823.67	0.0936	P	1.3	1.7
5	☐	100.000	101.444	444438.31	0.9274	P	0.4	1.4
6	☐	200.000	199.276	868103.56	1.8212	P	0.9	-0.4
7	☐	1.000						

y = 0.0091 * x + 6.8731E-004
R = 1.0000
DL = 0.03146 ppb
BEC = 0.07524 ppb

Weight: <None>
Min Conc: <None>

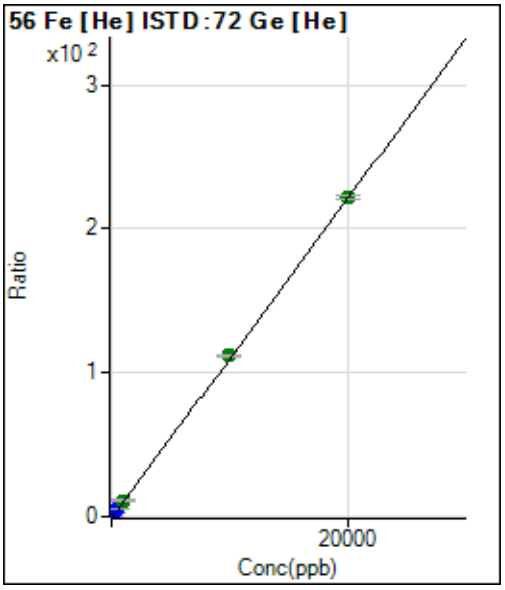
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	763172.83	0.4716	P	1.9	
2	☐	200.000	201.812	4361504.10	2.6659	M	1.9	0.9
3	☐	500.000	517.006	9924462.14	6.0929	A	1.6	3.4
4	☐	1000.000	1033.053	19250869.29	11.7037	A	1.5	3.3
5	☐	10000.00	10265.95	187522630.5	112.090	A	1.5	2.7
6	☐	20000.00	19864.92	365812154.5	216.456	A	0.4	-0.7
7	☐	100.000						

y = 0.0109 * x + 0.4716
R = 0.9999
DL = 2.424 ppb
BEC = 43.38 ppb

Weight: <None>
Min Conc: <None>

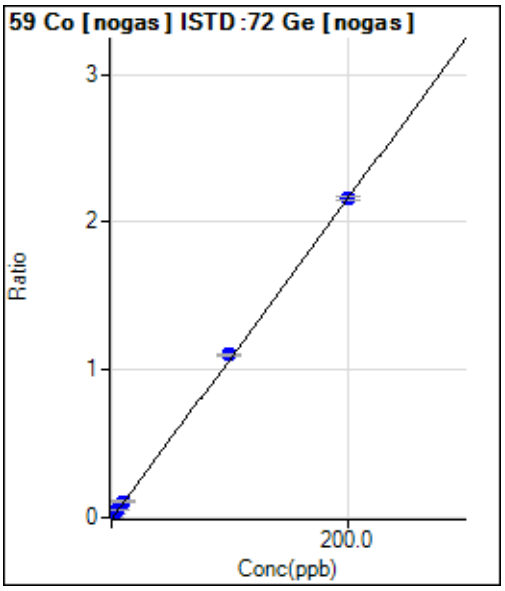


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10834.10	0.0233	P	4.5	
2	☐	200.000	192.641	1018525.50	2.1649	P	0.7	-3.7
3	☐	500.000	477.855	2560207.04	5.3358	P	0.8	-4.4
4	☐	1000.000	1019.603	5441189.71	11.3586	A	0.7	2.0
5	☐	10000.00	10064.14	53632990.87	111.910	A	1.3	0.6
6	☐	20000.00	19967.57	105829361.7	222.010	A	1.3	-0.2
7	☐	100.000						

y = 0.0111 * x + 0.0233
R = 1.0000
DL = 0.2852 ppb
BEC = 2.092 ppb

Weight: <None>
Min Conc: <None>

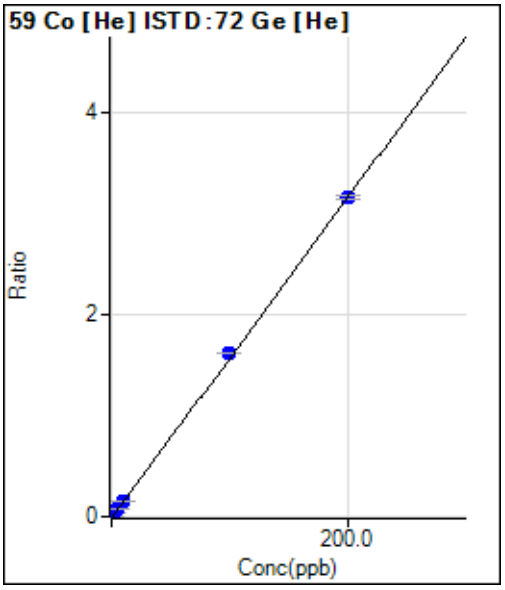
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	193.34	0.0001	P	35.3	
2	☐	2.000	2.016	35976.65	0.0220	P	3.7	0.8
3	☐	5.000	4.994	88428.91	0.0543	P	1.2	-0.1
4	☐	10.000	10.176	181793.99	0.1105	P	0.6	1.8
5	☐	100.000	101.618	1844591.01	1.1025	P	0.6	1.6
6	☐	200.000	199.182	3651995.99	2.1608	P	1.5	-0.4
7	☐	1.000						

y = 0.0108 * x + 1.1954E-004
R = 1.0000
DL = 0.01166 ppb
BEC = 0.01102 ppb

Weight: <None>
Min Conc: <None>

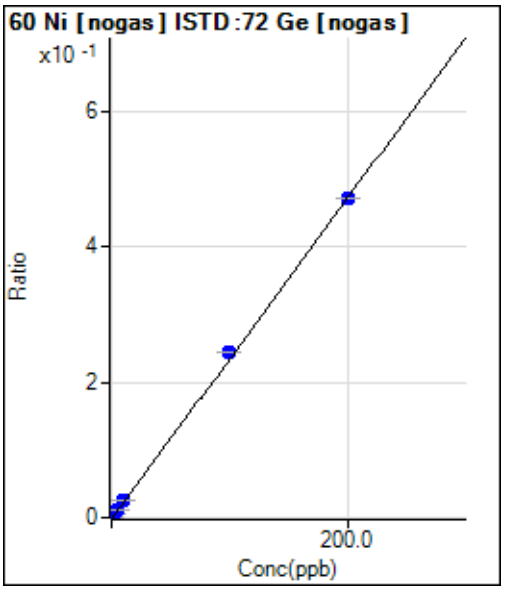


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.33	0.0002	P	15.3	
2	☐	2.000	2.008	15081.12	0.0321	P	1.4	0.4
3	☐	5.000	5.058	38593.17	0.0804	P	2.9	1.2
4	☐	10.000	9.919	75448.54	0.1575	P	0.9	-0.8
5	☐	100.000	101.851	774090.20	1.6153	P	0.1	1.9
6	☐	200.000	199.077	1504871.49	3.1570	P	0.9	-0.5
7	☐	1.000						

y = 0.0159 * x + 2.2199E-004
R = 0.9999
DL = 0.006415 ppb
BEC = 0.014 ppb

Weight: <None>
Min Conc: <None>

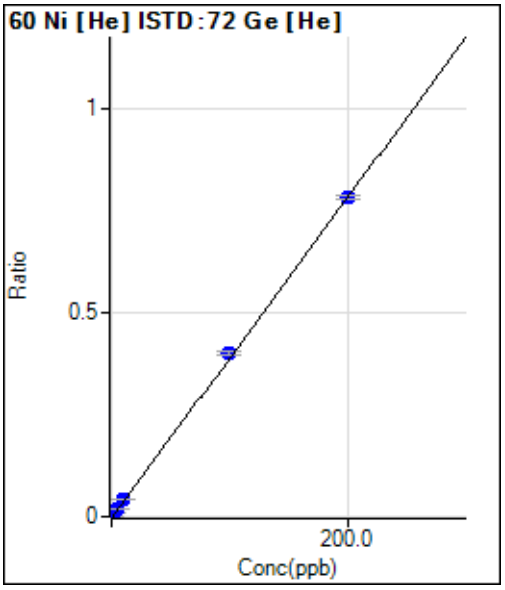
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	246.67	0.0002	P	11.5	
2	☐	2.000	2.049	8219.05	0.0050	P	0.9	2.5
3	☐	5.000	5.169	20267.35	0.0124	P	4.8	3.4
4	☐	10.000	10.466	41183.58	0.0250	P	1.4	4.7
5	☐	100.000	102.543	408112.78	0.2439	P	0.3	2.5
6	☐	200.000	198.701	798538.95	0.4725	P	0.6	-0.6
7	☐	1.000						

y = 0.0024 * x + 1.5233E-004
R = 0.9999
DL = 0.02202 ppb
BEC = 0.06408 ppb

Weight: <None>
Min Conc: <None>

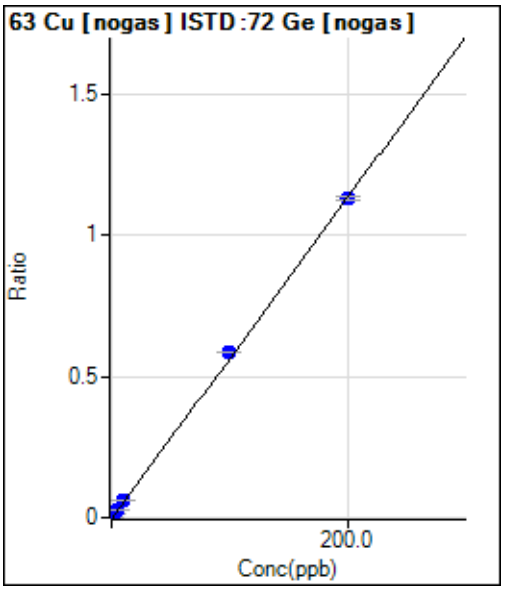


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	130.00	0.0003	P	46.6	
2	☐	2.000	2.019	3873.90	0.0082	P	3.8	0.9
3	☐	5.000	5.028	9636.60	0.0201	P	5.0	0.6
4	☐	10.000	10.233	19446.16	0.0406	P	2.0	2.3
5	☐	100.000	101.971	192664.00	0.4020	P	1.5	2.0
6	☐	200.000	199.002	373881.69	0.7843	P	0.9	-0.5
7	☐	1.000						

y = 0.0039 * x + 2.7891E-004
R = 0.9999
DL = 0.09893 ppb
BEC = 0.07079 ppb

Weight: <None>
Min Conc: <None>

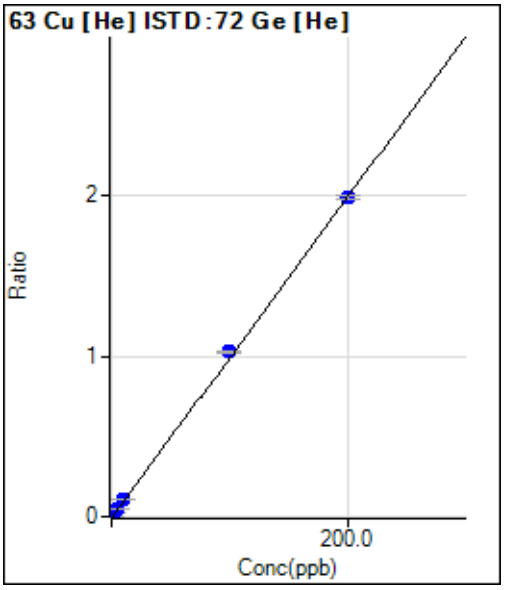
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1173.40	0.0007	P	3.4	
2	☐	2.000	1.978	19603.05	0.0120	P	3.5	-1.1
3	☐	5.000	5.170	49103.86	0.0301	P	0.3	3.4
4	☐	10.000	10.329	97877.69	0.0595	P	1.7	3.3
5	☐	100.000	103.192	983710.56	0.5879	P	0.1	3.2
6	☐	200.000	198.383	1909152.00	1.1296	P	0.9	-0.8
7	☐	1.000						

y = 0.0057 * x + 7.2501E-004
R = 0.9998
DL = 0.01282 ppb
BEC = 0.1274 ppb

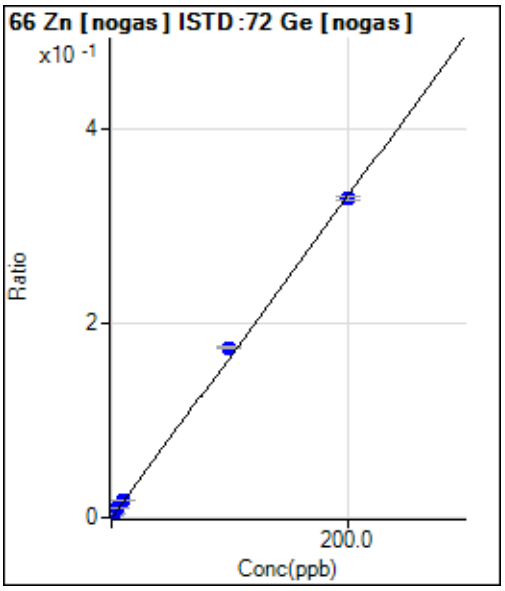
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	486.68	0.0010	P	10.7	
2	☐	2.000	1.970	9786.69	0.0208	P	3.0	-1.5
3	☐	5.000	5.137	25218.13	0.0526	P	1.2	2.7
4	☐	10.000	10.237	49679.09	0.1037	P	0.8	2.4
5	☐	100.000	102.522	493126.74	1.0290	P	0.8	2.5
6	☐	200.000	198.724	950393.53	1.9937	P	1.0	-0.6
7	☐	1.000						

y = 0.0100 * x + 0.0010
R = 0.9999
DL = 0.03333 ppb
BEC = 0.1042 ppb

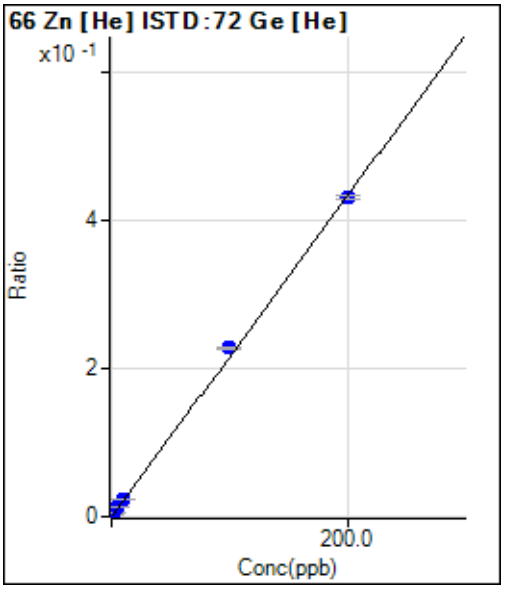
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2240.22	0.0014	P	8.9	
2	☐	2.000	1.914	7442.01	0.0045	P	3.6	-4.3
3	☐	5.000	5.213	16295.79	0.0100	P	4.4	4.3
4	☐	10.000	10.298	30284.46	0.0184	P	3.6	3.0
5	☐	100.000	104.725	292102.74	0.1746	P	1.4	4.7
6	☐	200.000	197.618	554715.88	0.3282	P	0.9	-1.2
7	☐	1.000						

y = 0.0017 * x + 0.0014
R = 0.9996
DL = 0.2243 ppb
BEC = 0.8367 ppb

Weight: <None>
Min Conc: <None>

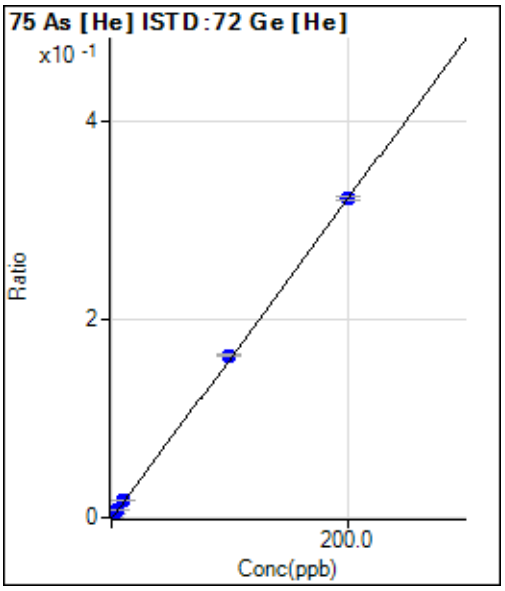


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	793.37	0.0017	P	6.4	
2	☐	2.000	1.976	2823.66	0.0060	P	7.0	-1.2
3	☐	5.000	4.897	5927.94	0.0124	P	3.3	-2.1
4	☐	10.000	10.262	11507.91	0.0240	P	0.3	2.6
5	☐	100.000	104.324	109538.45	0.2286	P	1.3	4.3
6	☐	200.000	197.828	205896.29	0.4319	P	0.7	-1.1
7	☐	1.000						

y = 0.0022 * x + 0.0017
R = 0.9997
DL = 0.1511 ppb
BEC = 0.7832 ppb

Weight: <None>
Min Conc: <None>

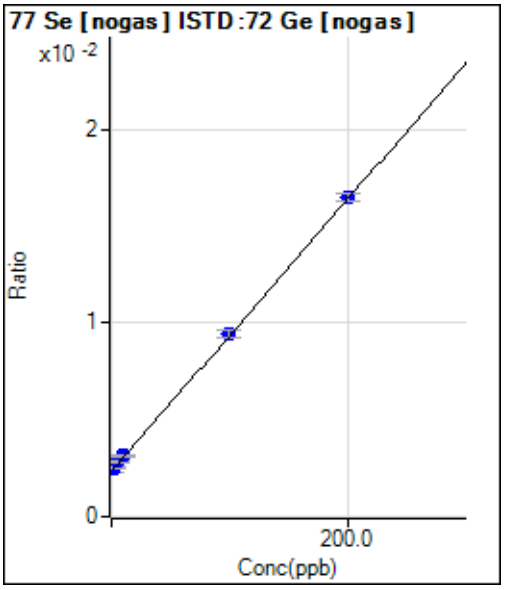
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	146.67	0.0003	P	3.4	
2	☐	2.000	1.892	1588.98	0.0034	P	5.3	-5.4
3	☐	5.000	4.845	3913.87	0.0082	P	1.4	-3.1
4	☐	10.000	10.162	8029.98	0.0168	P	2.3	1.6
5	☐	100.000	101.282	78705.39	0.1642	P	0.8	1.3
6	☐	200.000	199.356	153931.63	0.3229	P	1.7	-0.3
7	☐	1.000						

y = 0.0016 * x + 3.1498E-004
R = 1.0000
DL = 0.01966 ppb
BEC = 0.1946 ppb

Weight: <None>
Min Conc: <None>

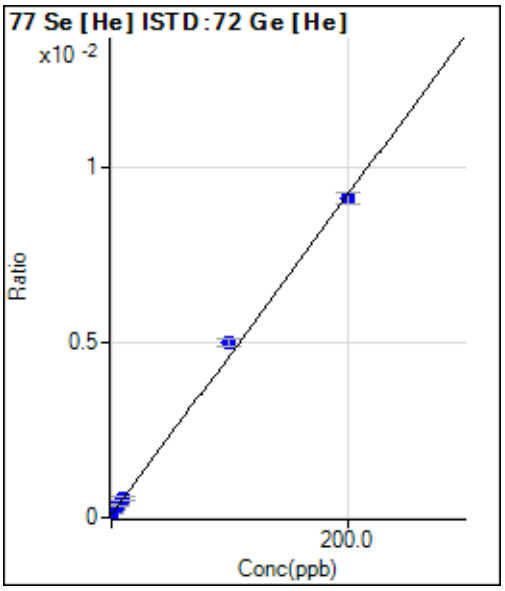


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3947.26	0.0024	P	14.0	
2	☐	2.000	1.262	4137.33	0.0025	P	4.7	-36.9
3	☐	5.000	5.738	4630.81	0.0028	P	5.3	14.8
4	☐	10.000	10.205	5194.33	0.0032	P	3.1	2.1
5	☐	100.000	99.677	15805.30	0.0094	P	3.8	-0.3
6	☐	200.000	200.140	27886.57	0.0165	P	2.9	0.1
7	☐	1.000						

y = 7.0266E-005 * x + 0.0024
R = 1.0000
DL = 14.62 ppb
BEC = 34.72 ppb

Weight: <None>
Min Conc: <None>

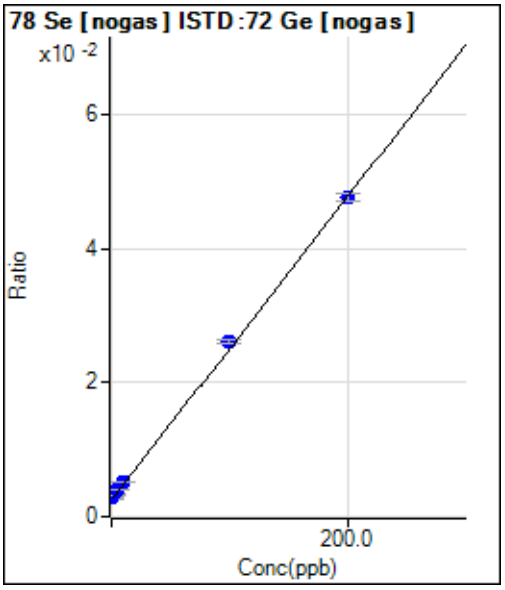
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	60.00	0.0001	P	15.9	
2	☐	2.000	3.064	126.67	0.0003	P	23.8	53.2
3	☐	5.000	4.628	163.33	0.0003	P	20.5	-7.4
4	☐	10.000	9.622	273.34	0.0006	P	19.9	-3.8
5	☐	100.000	106.532	2400.24	0.0050	P	4.2	6.5
6	☐	200.000	196.751	4357.38	0.0091	P	3.9	-1.6
7	☐	1.000						

y = 4.5812E-005 * x + 1.2873E-004
R = 0.9992
DL = 1.343 ppb
BEC = 2.81 ppb

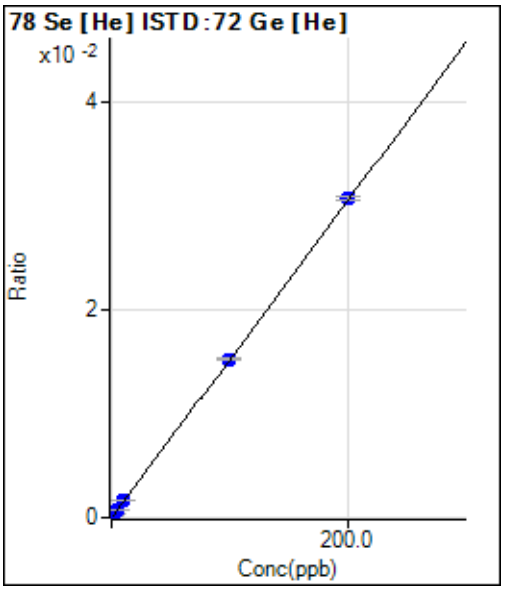
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4460.75	0.0028	P	5.9	
2	☐	2.000	2.813	5551.13	0.0034	P	6.8	40.6
3	☐	5.000	5.530	6531.56	0.0040	P	2.3	10.6
4	☐	10.000	10.891	8595.98	0.0052	P	3.5	8.9
5	☐	100.000	103.185	43791.45	0.0262	P	1.8	3.2
6	☐	200.000	198.342	80722.25	0.0478	P	2.6	-0.8
7	☐	1.000						

y = 2.2695E-004 * x + 0.0028
R = 0.9998
DL = 2.157 ppb
BEC = 12.14 ppb

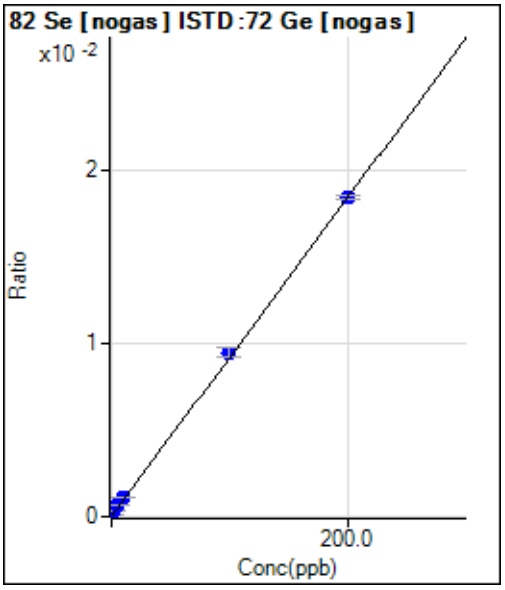
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	64.67	0.0001	P	8.4	
2	☐	2.000	1.872	200.00	0.0004	P	11.8	-6.4
3	☐	5.000	4.247	378.01	0.0008	P	6.9	-15.1
4	☐	10.000	10.175	811.36	0.0017	P	4.8	1.8
5	☐	100.000	98.880	7310.48	0.0153	P	1.2	-1.1
6	☐	200.000	200.572	14681.94	0.0308	P	0.9	0.3
7	☐	1.000						

y = 1.5287E-004 * x + 1.3889E-004
R = 1.0000
DL = 0.2287 ppb
BEC = 0.9086 ppb

Weight: <None>
Min Conc: <None>

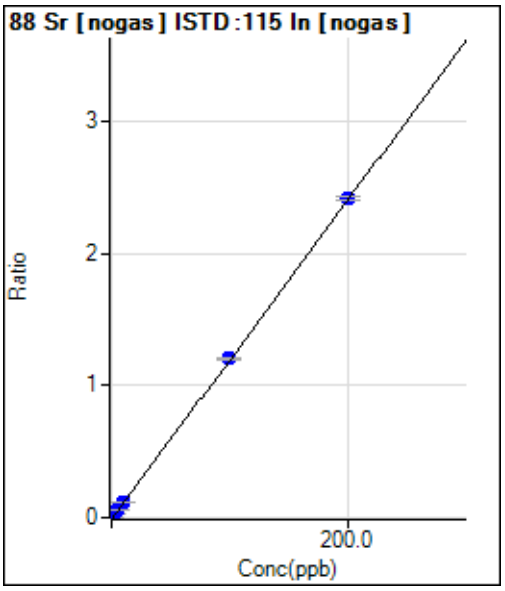


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	186.67	0.0001	P	24.1	
2	☐	2.000	2.108	506.68	0.0003	P	17.3	5.4
3	☐	5.000	6.074	1100.06	0.0007	P	10.3	21.5
4	☐	10.000	10.969	1853.48	0.0011	P	1.8	9.7
5	☐	100.000	101.641	15875.38	0.0095	P	5.6	1.6
6	☐	200.000	199.103	31226.52	0.0185	P	0.9	-0.4
7	☐	1.000						

y = 9.2218E-005 * x + 1.1516E-004
R = 0.9999
DL = 0.9039 ppb
BEC = 1.249 ppb

Weight: <None>
Min Conc: <None>

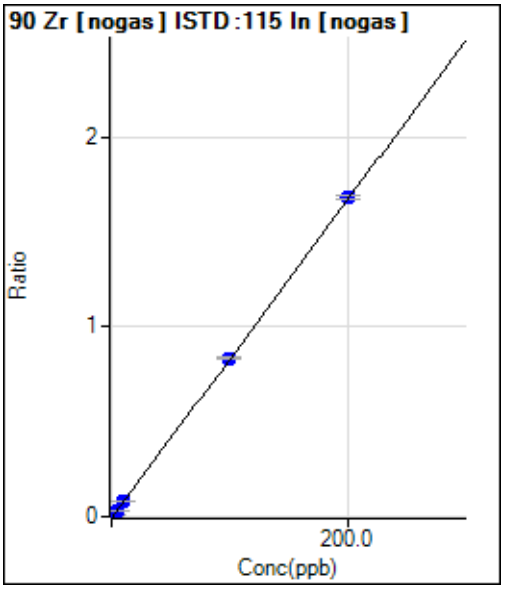
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	560.02	0.0003	P	17.6	
2	☐	2.000	1.899	42622.02	0.0232	P	1.7	-5.1
3	☐	5.000	4.800	106724.45	0.0582	P	1.1	-4.0
4	☐	10.000	9.686	216754.85	0.1171	P	1.3	-3.1
5	☐	100.000	99.715	2233773.51	1.2031	P	1.0	-0.3
6	☐	200.000	200.164	4439861.91	2.4148	P	1.0	0.1
7	☐	1.000						

y = 0.0121 * x + 3.0707E-004
R = 1.0000
DL = 0.01346 ppb
BEC = 0.02546 ppb

Weight: <None>
Min Conc: <None>

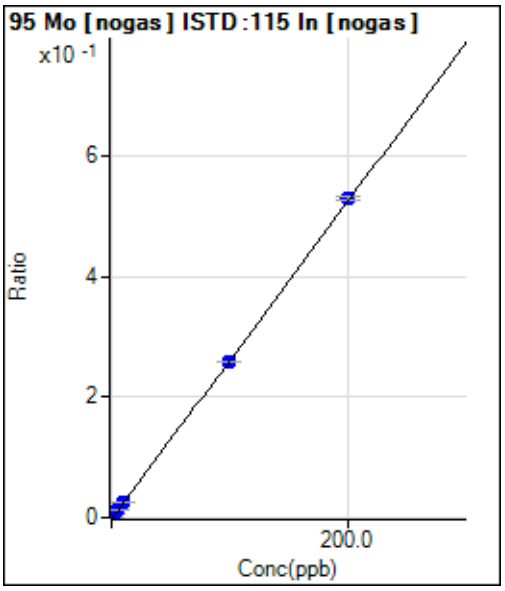


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1273.41	0.0007	P	11.6	
2	☐	2.000	1.429	23322.07	0.0127	P	1.1	-28.6
3	☐	5.000	4.092	64293.45	0.0351	P	1.0	-18.2
4	☐	10.000	9.083	142444.21	0.0770	P	1.6	-9.2
5	☐	100.000	99.284	1549522.01	0.8346	P	1.0	-0.7
6	☐	200.000	200.433	3096463.70	1.6841	P	0.9	0.2
7	☐	1.000						

y = 0.0084 * x + 6.9926E-004
R = 1.0000
DL = 0.02895 ppb
BEC = 0.08326 ppb

Weight: <None>
Min Conc: <None>

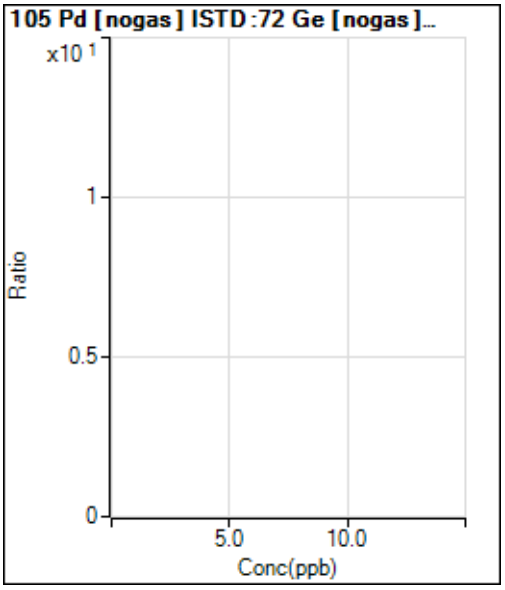
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	260.01	0.0001	P	31.5	
2	☐	2.000	1.831	9109.62	0.0050	P	3.3	-8.5
3	☐	5.000	4.586	22394.08	0.0122	P	1.2	-8.3
4	☐	10.000	9.540	46721.27	0.0252	P	0.7	-4.6
5	☐	100.000	98.081	479529.14	0.2583	P	0.9	-1.9
6	☐	200.000	200.994	972875.77	0.5291	P	1.0	0.5
7	☐	1.000						

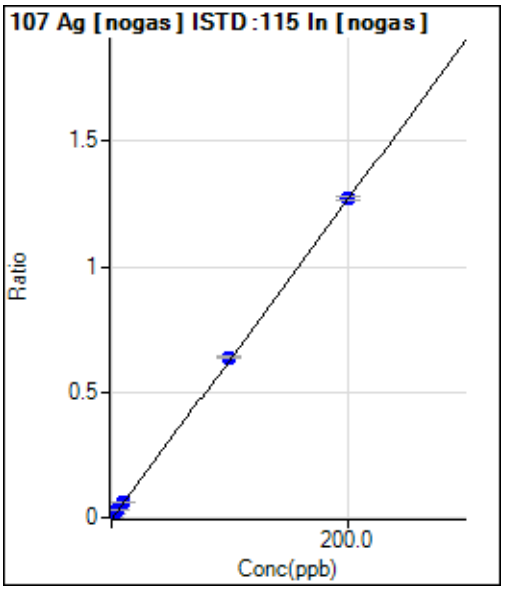
y = 0.0026 * x + 1.4305E-004
R = 0.9999
DL = 0.05136 ppb
BEC = 0.05435 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

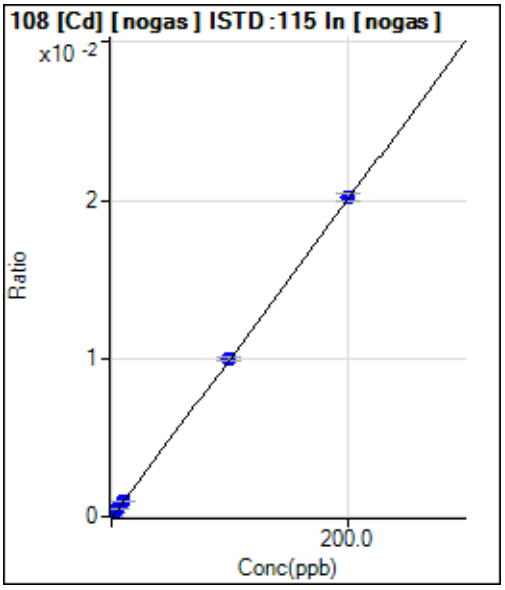
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	116.67	0.0001	P	26.4	
2	☐	2.000	1.940	22794.80	0.0124	P	1.3	-3.0
3	☐	5.000	4.898	57303.13	0.0313	P	1.8	-2.0
4	☐	10.000	9.983	117733.32	0.0636	P	1.7	-0.2
5	☐	100.000	100.311	1186064.77	0.6388	P	1.3	0.3
6	☐	200.000	199.849	2339935.80	1.2727	P	1.3	-0.1
7	☐	1.000						

y = 0.0064 * x + 6.4069E-005
R = 1.0000
DL = 0.007965 ppb
BEC = 0.01006 ppb

Weight: <None>
Min Conc: <None>

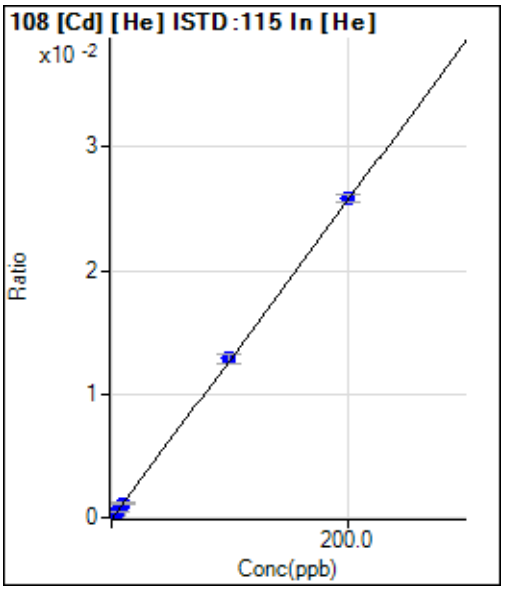


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0000	P	86.6	
2	☐	2.000	1.963	370.01	0.0002	P	10.7	-1.8
3	☐	5.000	5.001	930.04	0.0005	P	6.5	0.0
4	☐	10.000	9.253	1730.13	0.0009	P	3.9	-7.5
5	☐	100.000	99.123	18535.39	0.0100	P	2.5	-0.9
6	☐	200.000	200.476	37121.20	0.0202	P	3.0	0.2
7	☐	1.000						

y = 1.0069E-004 * x + 3.6857E-006
R = 1.0000
DL = 0.09511 ppb
BEC = 0.03661 ppb

Weight: <None>
Min Conc: <None>

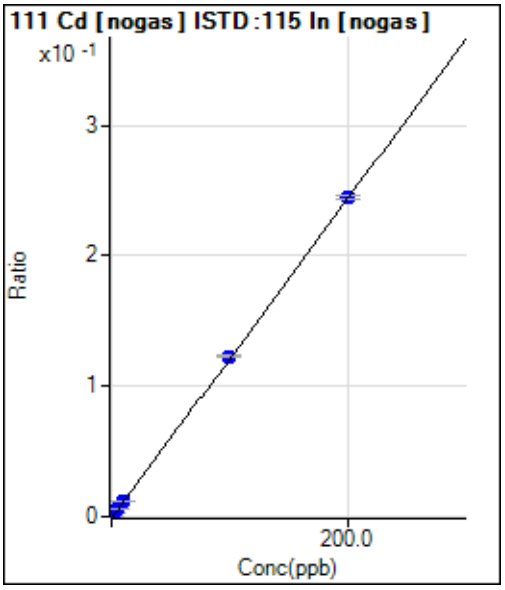
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	1.804	166.67	0.0002	P	28.4	-9.8
3	☐	5.000	3.715	346.68	0.0005	P	15.2	-25.7
4	☐	10.000	8.841	823.37	0.0011	P	12.1	-11.6
5	☐	100.000	99.595	9052.99	0.0129	P	6.0	-0.4
6	☐	200.000	200.294	18081.50	0.0259	P	2.0	0.1
7	☐	1.000						

y = 1.2911E-004 * x + 4.8102E-006
R = 1.0000
DL = 0.1936 ppb
BEC = 0.03726 ppb

Weight: <None>
Min Conc: <None>

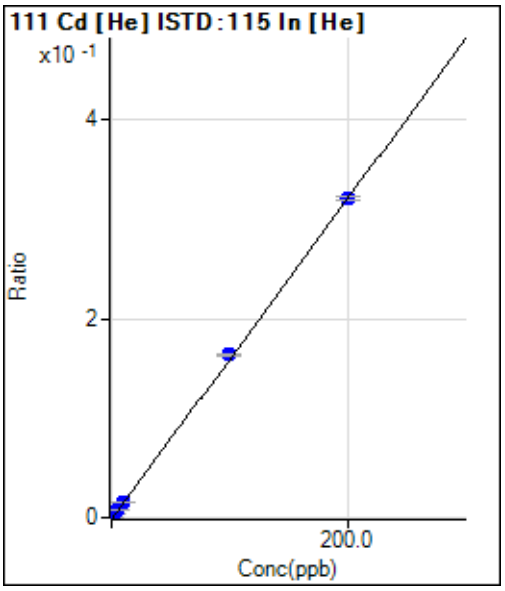


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.18	0.0000	P	97.1	
2	☐	2.000	1.961	4417.19	0.0024	P	6.7	-2.0
3	☐	5.000	4.913	11047.33	0.0060	P	3.5	-1.7
4	☐	10.000	9.954	22581.03	0.0122	P	2.7	-0.5
5	☐	100.000	100.310	228250.60	0.1229	P	1.3	0.3
6	☐	200.000	199.850	450318.27	0.2449	P	0.9	-0.1
7	☐	1.000						

y = 0.0012 * x + 3.3758E-006
R = 1.0000
DL = 0.008022 ppb
BEC = 0.002755 ppb

Weight: <None>
Min Conc: <None>

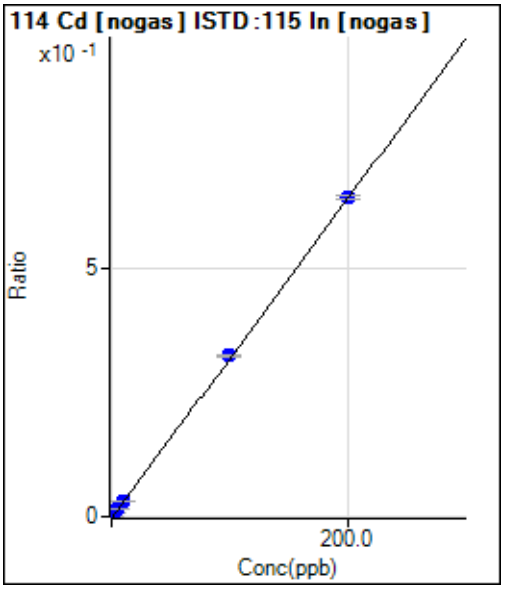
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-3.58	0.0000	P	-173.	
2	☐	2.000	1.954	2204.73	0.0031	P	14.1	-2.3
3	☐	5.000	4.995	5752.75	0.0080	P	5.4	-0.1
4	☐	10.000	9.915	11468.69	0.0160	P	0.7	-0.8
5	☐	100.000	101.728	115317.42	0.1639	P	1.2	1.7
6	☐	200.000	199.141	224261.67	0.3208	P	1.3	-0.4
7	☐	1.000						

y = 0.0016 * x - 5.1614E-006
R = 0.9999
DL = 0.01665 ppb
BEC = -0.003204 ppb

Weight: <None>
Min Conc: <None>

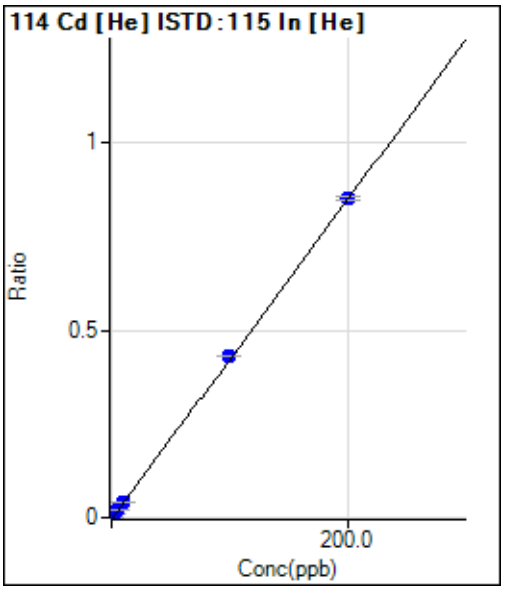


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	46.67	0.0000	P	53.0	
2	☐	2.000	1.894	11204.53	0.0061	P	2.9	-5.3
3	☐	5.000	4.945	29142.88	0.0159	P	1.4	-1.1
4	☐	10.000	9.824	58377.71	0.0315	P	1.2	-1.8
5	☐	100.000	100.487	598723.48	0.3225	P	1.9	0.5
6	☐	200.000	199.768	1178634.17	0.6410	P	0.6	-0.1
7	☐	1.000						

y = 0.0032 * x + 2.5529E-005
R = 1.0000
DL = 0.01266 ppb
BEC = 0.007956 ppb

Weight: <None>
Min Conc: <None>

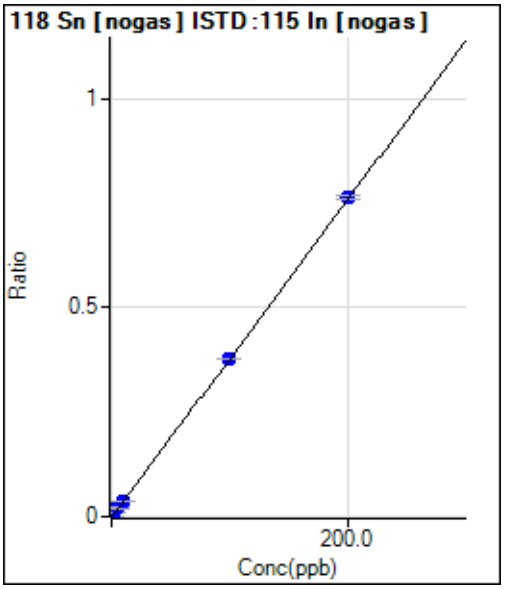
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.67	0.0001	P	43.4	
2	☐	2.000	1.960	5904.63	0.0084	P	4.4	-2.0
3	☐	5.000	4.791	14670.95	0.0205	P	3.0	-4.2
4	☐	10.000	9.821	30161.69	0.0420	P	2.4	-1.8
5	☐	100.000	100.791	302876.49	0.4305	P	0.7	0.8
6	☐	200.000	199.619	595926.03	0.8525	P	0.7	-0.2
7	☐	1.000						

y = 0.0043 * x + 5.2907E-005
R = 1.0000
DL = 0.01612 ppb
BEC = 0.01239 ppb

Weight: <None>
Min Conc: <None>

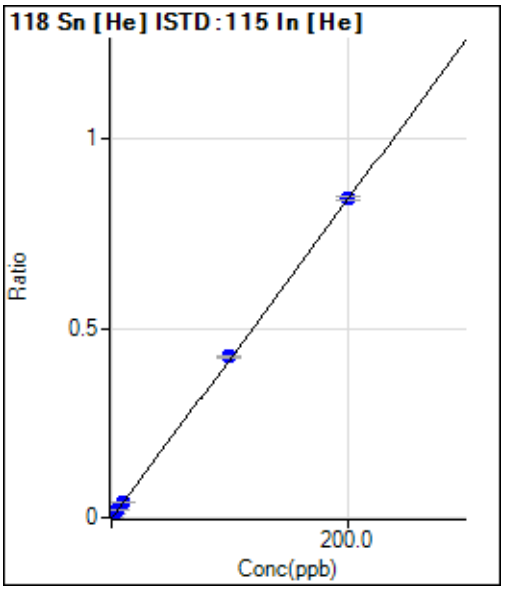


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2493.61	0.0014	P	8.2	
2	☐	2.000	1.758	14801.10	0.0081	P	1.0	-12.1
3	☐	5.000	5.189	38702.89	0.0211	P	15.4	3.8
4	☐	10.000	9.537	69677.89	0.0377	P	0.6	-4.6
5	☐	100.000	99.199	703366.73	0.3788	P	0.4	-0.8
6	☐	200.000	200.421	1404731.96	0.7640	P	1.4	0.2
7	☐	1.000						

y = 0.0038 * x + 0.0014
R = 1.0000
DL = 0.0888 ppb
BEC = 0.3596 ppb

Weight: <None>
Min Conc: <None>

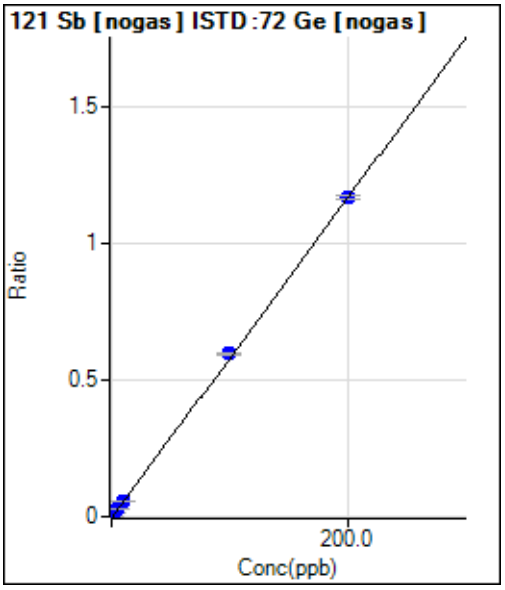
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1156.74	0.0017	P	2.9	
2	☐	2.000	1.770	6398.18	0.0091	P	4.0	-11.5
3	☐	5.000	4.609	15094.76	0.0211	P	1.8	-7.8
4	☐	10.000	9.721	30646.17	0.0427	P	1.2	-2.8
5	☐	100.000	100.530	299625.53	0.4259	P	0.9	0.5
6	☐	200.000	199.761	590389.02	0.8446	P	0.8	-0.1
7	☐	1.000						

y = 0.0042 * x + 0.0017
R = 1.0000
DL = 0.03402 ppb
BEC = 0.3928 ppb

Weight: <None>
Min Conc: <None>

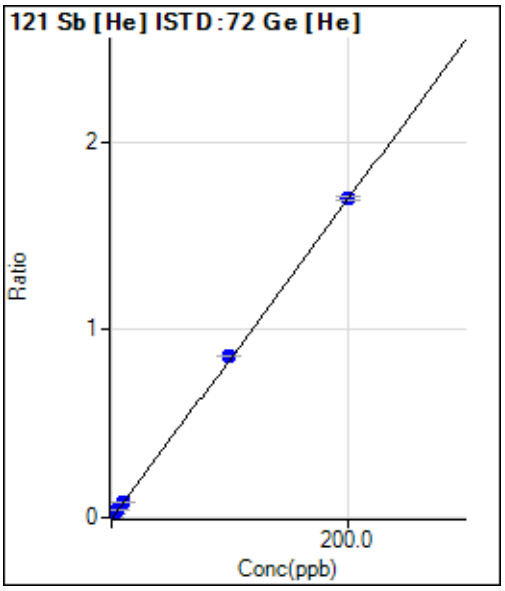


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1260.08	0.0008	P	2.2	
2	☐	2.000	1.954	20024.12	0.0122	P	3.8	-2.3
3	☐	5.000	4.782	46953.25	0.0288	P	1.7	-4.4
4	☐	10.000	9.767	95518.59	0.0581	P	1.3	-2.3
5	☐	100.000	101.399	996493.14	0.5956	P	0.5	1.4
6	☐	200.000	199.318	1977213.15	1.1699	P	1.2	-0.3
7	☐	1.000						

y = 0.0059 * x + 7.7843E-004
R = 1.0000
DL = 0.008753 ppb
BEC = 0.1327 ppb

Weight: <None>
Min Conc: <None>

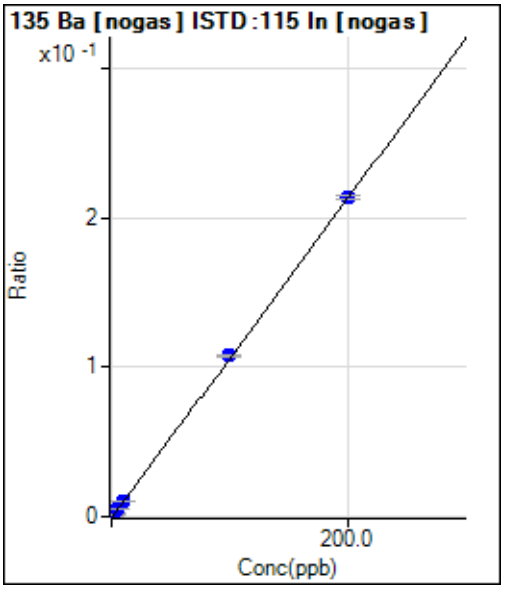
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	593.36	0.0013	P	10.7	
2	☐	2.000	1.906	8222.48	0.0175	P	2.6	-4.7
3	☐	5.000	4.817	20261.13	0.0422	P	1.5	-3.7
4	☐	10.000	9.668	39992.48	0.0835	P	1.9	-3.3
5	☐	100.000	100.641	410709.94	0.8570	P	0.2	0.6
6	☐	200.000	199.701	809986.76	1.6993	P	1.5	-0.1
7	☐	1.000						

y = 0.0085 * x + 0.0013
R = 1.0000
DL = 0.0482 ppb
BEC = 0.1498 ppb

Weight: <None>
Min Conc: <None>

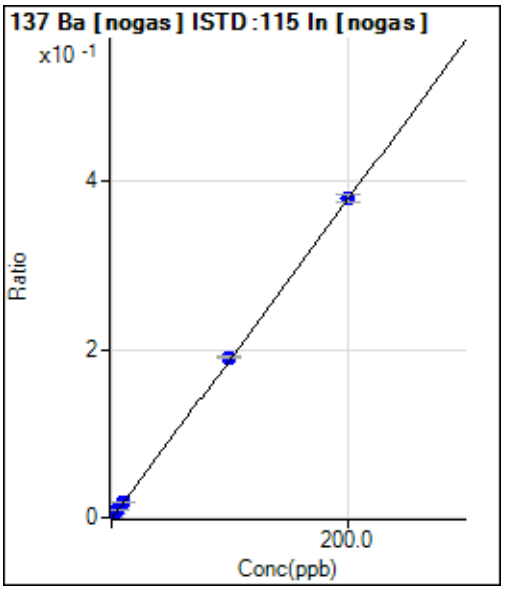


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86.67	0.0000	P	40.9	
2	☐	2.000	1.828	3687.21	0.0020	P	7.6	-8.6
3	☐	5.000	4.858	9636.76	0.0053	P	3.5	-2.8
4	☐	10.000	9.732	19396.80	0.0105	P	4.1	-2.7
5	☐	100.000	100.886	200883.71	0.1082	P	1.3	0.9
6	☐	200.000	199.576	393445.52	0.2140	P	1.7	-0.2
7	☐	1.000						

y = 0.0011 * x + 4.7605E-005
R = 1.0000
DL = 0.05448 ppb
BEC = 0.04441 ppb

Weight: <None>
Min Conc: <None>

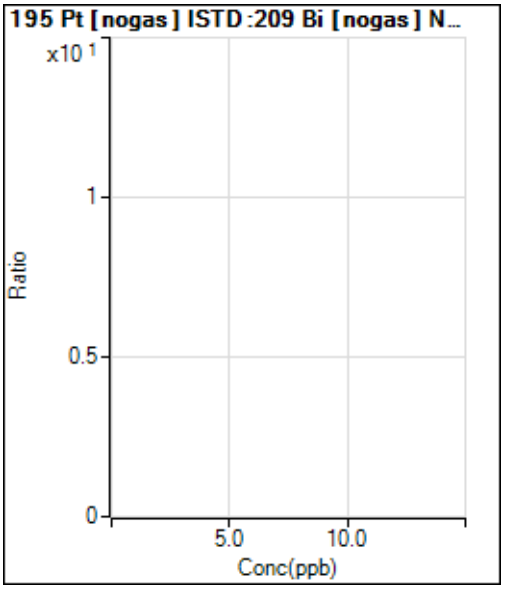
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	106.67	0.0001	P	31.9	
2	☐	2.000	1.961	6951.81	0.0038	P	4.0	-2.0
3	☐	5.000	4.764	16710.10	0.0091	P	2.4	-4.7
4	☐	10.000	9.857	34769.48	0.0188	P	1.7	-1.4
5	☐	100.000	100.368	354273.71	0.1908	P	0.4	0.4
6	☐	200.000	199.829	698409.57	0.3799	P	2.0	-0.1
7	☐	1.000						

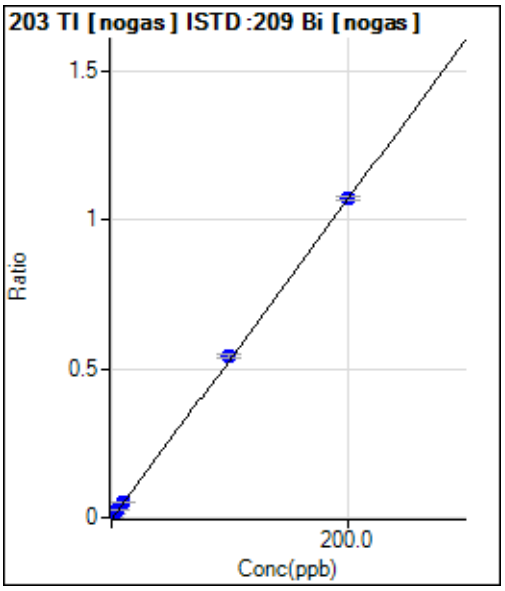
y = 0.0019 * x + 5.8436E-005
R = 1.0000
DL = 0.02941 ppb
BEC = 0.03075 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

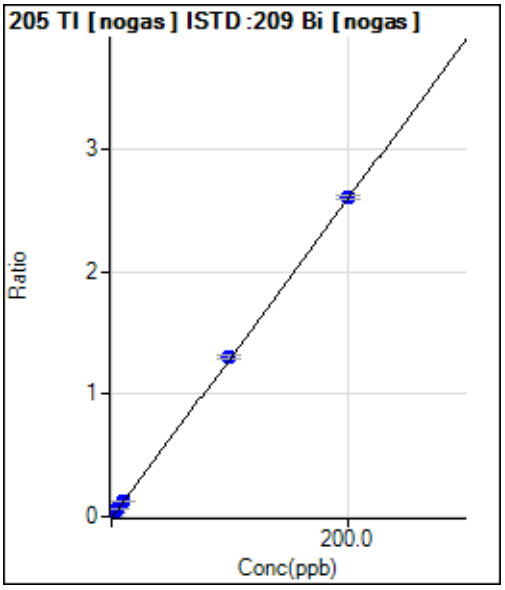
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	130.00	0.0001	P	22.9	
2	☐	2.000	1.963	17818.59	0.0106	P	1.3	-1.8
3	☐	5.000	4.807	43867.37	0.0259	P	2.9	-3.9
4	☐	10.000	9.826	90129.48	0.0529	P	1.7	-1.7
5	☐	100.000	100.733	925627.17	0.5415	P	2.3	0.7
6	☐	200.000	199.647	1808033.99	1.0731	P	1.7	-0.2
7	☐	1.000						

y = 0.0054 * x + 7.7765E-005
R = 1.0000
DL = 0.009946 ppb
BEC = 0.01447 ppb

Weight: <None>
Min Conc: <None>

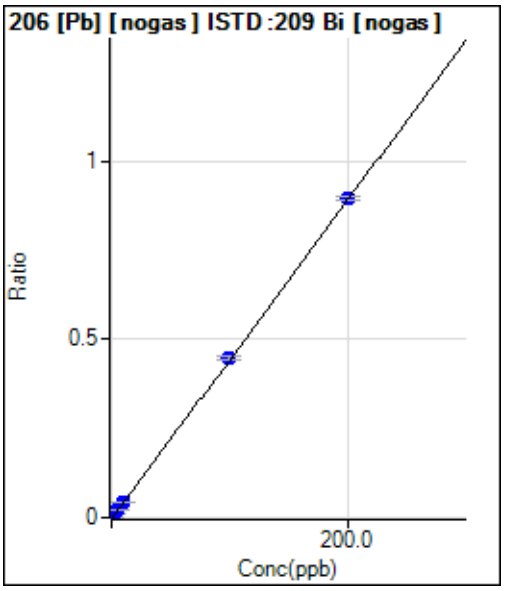


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	280.01	0.0002	P	6.0	
2	☐	2.000	1.901	41737.35	0.0249	P	2.5	-4.9
3	☐	5.000	4.871	107527.98	0.0635	P	3.9	-2.6
4	☐	10.000	9.702	215416.93	0.1264	P	1.7	-3.0
5	☐	100.000	99.795	2220111.11	1.2987	P	2.5	-0.2
6	☐	200.000	200.121	4387590.66	2.6042	P	1.5	0.1
7	☐	1.000						

y = 0.0130 * x + 1.6752E-004
R = 1.0000
DL = 0.002319 ppb
BEC = 0.01287 ppb

Weight: <None>
Min Conc: <None>

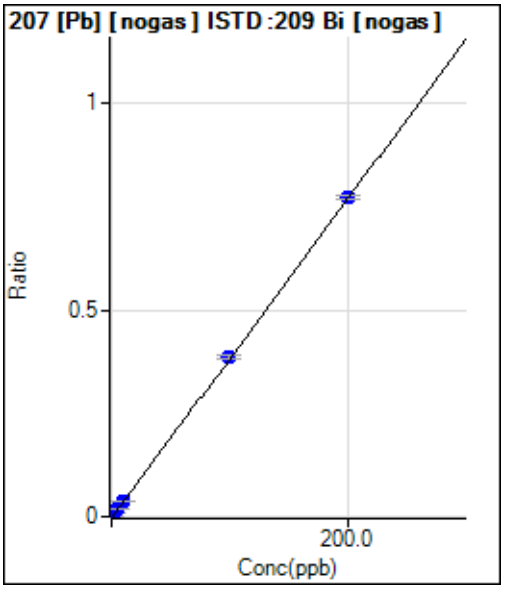
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	286.68	0.0002	P	26.1	
2	☐	2.000	1.969	15071.88	0.0090	P	4.2	-1.6
3	☐	5.000	4.903	37481.96	0.0221	P	2.3	-1.9
4	☐	10.000	9.840	75444.68	0.0443	P	2.9	-1.6
5	☐	100.000	99.958	766087.36	0.4482	P	2.2	0.0
6	☐	200.000	200.032	1510692.32	0.8967	P	1.5	0.0
7	☐	1.000						

y = 0.0045 * x + 1.7149E-004
R = 1.0000
DL = 0.02998 ppb
BEC = 0.03827 ppb

Weight: <None>
Min Conc: <None>

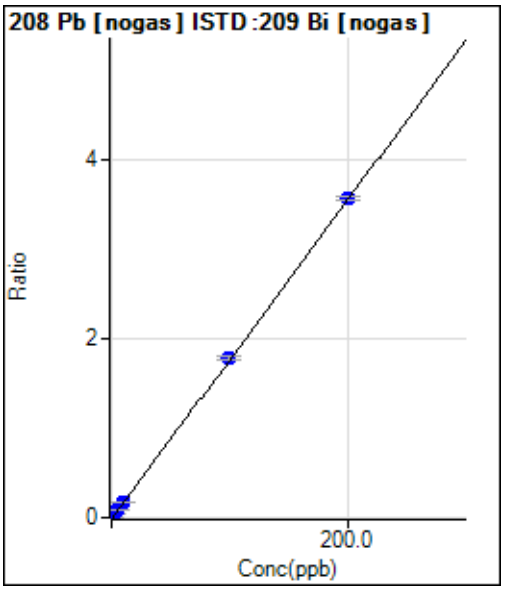


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	263.34	0.0002	P	9.7	
2	☐	2.000	1.943	12842.93	0.0077	P	2.7	-2.9
3	☐	5.000	4.795	31616.94	0.0187	P	3.3	-4.1
4	☐	10.000	9.826	64954.87	0.0381	P	3.3	-1.7
5	☐	100.000	100.169	661812.11	0.3871	P	1.7	0.2
6	☐	200.000	199.930	1301556.98	0.7725	P	1.6	0.0
7	☐	1.000						

y = 0.0039 * x + 1.5758E-004
R = 1.0000
DL = 0.01186 ppb
BEC = 0.04079 ppb

Weight: <None>
Min Conc: <None>

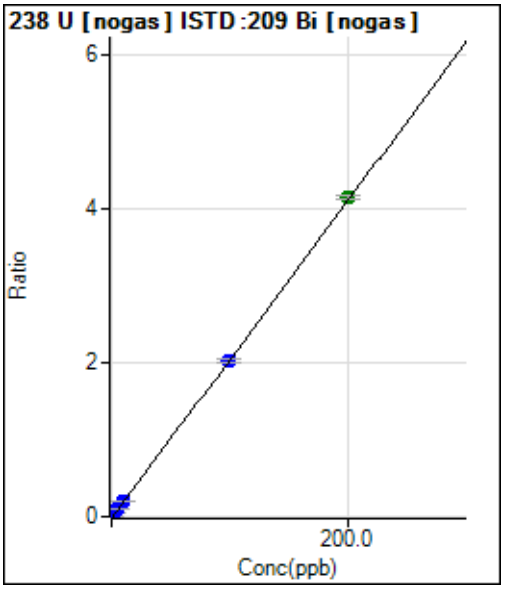
Calibration for 021_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1073.38	0.0006	P	3.2	
2	☐	2.000	1.955	59622.20	0.0356	P	3.1	-2.2
3	☐	5.000	4.876	148533.06	0.0878	P	2.5	-2.5
4	☐	10.000	9.797	299411.81	0.1757	P	1.7	-2.0
5	☐	100.000	100.169	3060892.88	1.7905	P	2.1	0.2
6	☐	200.000	199.929	6020006.55	3.5731	P	1.5	0.0
7	☐	1.000						

y = 0.0179 * x + 6.4225E-004
R = 1.0000
DL = 0.003463 ppb
BEC = 0.03594 ppb

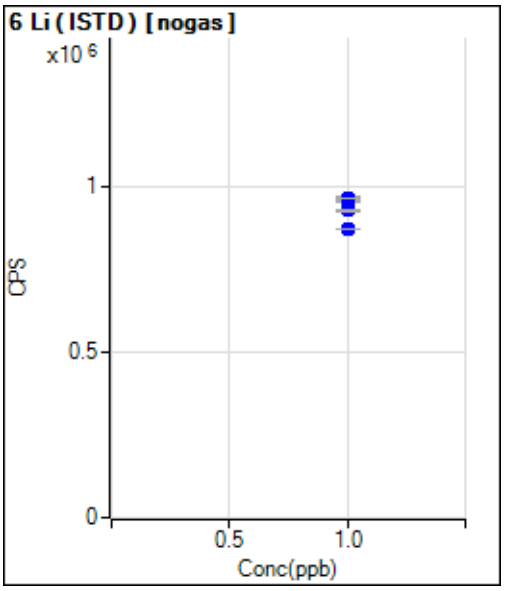
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Min Conc: <None>



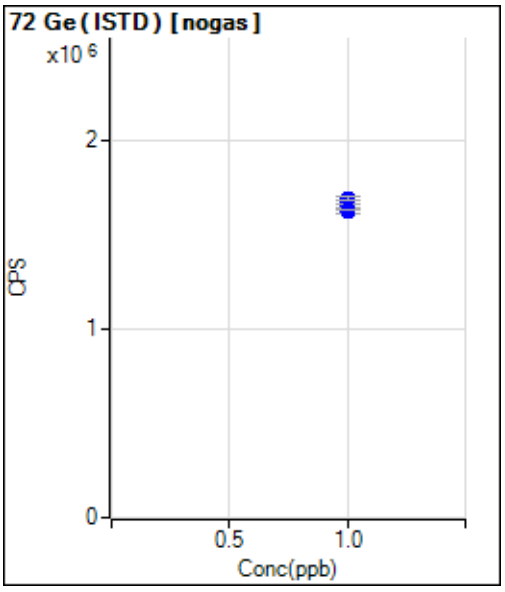
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	310.01	0.0002	P	17.8	
2	☐	2.000	1.873	65138.76	0.0389	P	2.8	-6.3
3	☐	5.000	4.565	159834.33	0.0944	P	3.2	-8.7
4	☐	10.000	9.319	328191.96	0.1926	P	2.4	-6.8
5	☐	100.000	97.739	3450238.91	2.0184	P	2.7	-2.3
6	☐	200.000	201.177	6999179.48	4.1542	A	1.2	0.6
7	☐	1.000						

y = 0.0206 * x + 1.8546E-004
R = 0.9999
DL = 0.004806 ppb
BEC = 0.008982 ppb

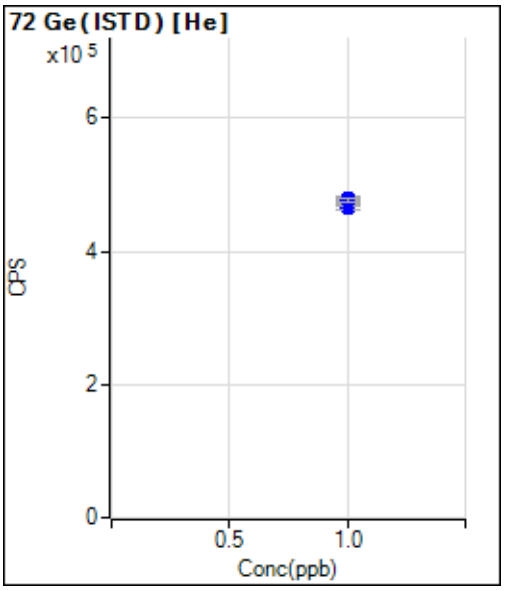
Weight: <None>
Min Conc: <None>



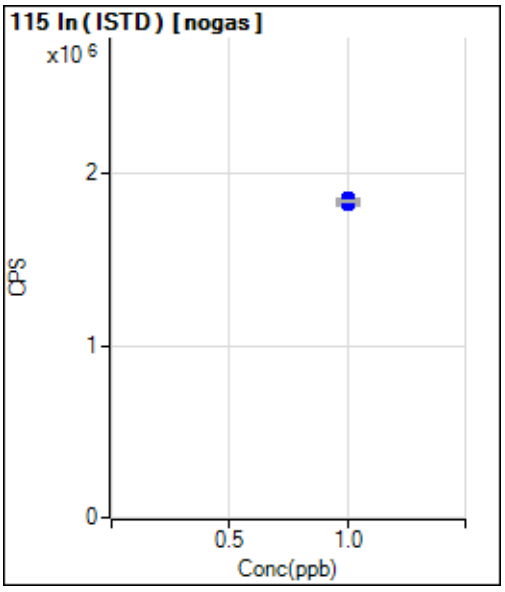
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		967339.16		P	0.6	
2	☐	1.000		966245.86		P	1.2	
3	☐	1.000		958484.46		P	1.1	
4	☐	1.000		965836.18		P	0.2	
5	☐	1.000		931278.40		P	0.7	
6	☐	1.000		873264.98		P	0.4	
7	☐	1.000						



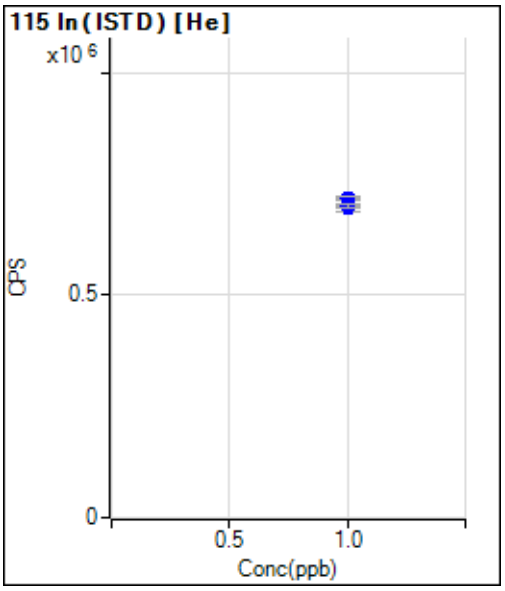
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1618408.42		P	1.5	
2	☐	1.000		1636078.57		P	0.5	
3	☐	1.000		1628825.76		P	0.5	
4	☐	1.000		1645082.06		P	1.4	
5	☐	1.000		1673132.48		P	1.2	
6	☐	1.000		1690038.31		P	0.7	
7	☐	1.000						



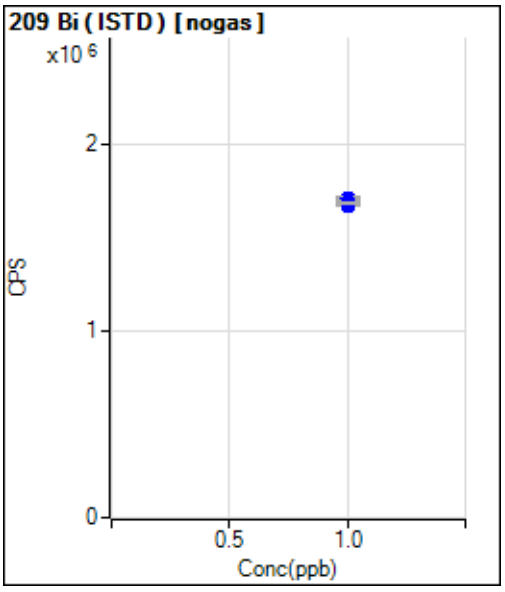
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		465764.03		P	1.1	
2	☐	1.000		470467.93		P	0.4	
3	☐	1.000		479845.34		P	1.1	
4	☐	1.000		479069.47		P	1.5	
5	☐	1.000		479231.50		P	0.8	
6	☐	1.000		476707.34		P	1.1	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1821198.24		P	1.2	
2	☐	1.000		1836283.12		P	1.2	
3	☐	1.000		1833513.71		P	0.6	
4	☐	1.000		1850296.35		P	1.0	
5	☐	1.000		1856596.07		P	0.4	
6	☐	1.000		1838617.27		P	0.3	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		697773.09		P	2.4	
2	☐	1.000		701008.83		P	0.6	
3	☐	1.000		715216.24		P	0.7	
4	☐	1.000		718144.93		P	1.0	
5	☐	1.000		703617.92		P	0.8	
6	☐	1.000		699074.91		P	1.2	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1671347.53		P	0.2	
2	☐	1.000		1676189.66		P	1.3	
3	☐	1.000		1692910.70		P	1.9	
4	☐	1.000		1704058.15		P	0.2	
5	☐	1.000		1709719.56		P	1.4	
6	☐	1.000		1684807.63		P	0.2	
7	☐	1.000						

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLICV2
Data File Name	023LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T10:29:43-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	1.788	2.796	10537	2.30	2	89.4	70	120	
B	11	1	nogas	13.630	1.358	68247	0.52	10	136.3	70	120	NewName Main CR1 Failed
Al	27	1	nogas	1.743	7.476	61028	2.90	2	87.2	70	120	
P	31	1	nogas	8.694	11.719	33176	1.37	10	86.9	70	120	
Ti	47	1	nogas	2.085	6.304	2940	6.52	2	104.3	70	120	
Ni	60	1	nogas	2.111	4.635	8699	4.97	2	105.5	70	120	
Cu	63	1	nogas	2.027	3.232	20638	4.34	2	101.4	70	120	
Zn	66	1	nogas	1.738	4.793	7165	3.59	2	86.9	70	120	
Se	77	1	nogas	-1.290	-114.369	3954	5.61	2	-64.5	70	120	NewName Main CR1 Failed
Se	82	1	nogas	2.105	12.998	520	6.93	2	105.2	70	120	
Sr	88	1	nogas	1.913	1.454	43742	1.68	2	95.7	70	120	
Mo	95	1	nogas	1.978	9.116	10007	9.26	2	98.9	70	120	
Ag	107	1	nogas	1.928	0.679	23085	1.04	2	96.4	70	120	
Cd	111	1	nogas	1.878	8.096	4311	8.26	2	93.9	70	120	
Sn	118	1	nogas	2.055	1.935	17187	1.71	2	102.8	70	120	
Sb	121	1	nogas	2.066	0.089	21697	1.26	2	103.3	70	120	
Ba	137	1	nogas	1.815	1.091	6562	1.35	2	90.8	70	120	
Tl	205	1	nogas	1.942	4.013	43269	2.92	2	97.1	70	120	
Pb	208	1	nogas	1.940	0.951	60073	0.37	2	97.0	70	120	
[Pb]	206	1	nogas	1.941	1.757	15092	1.66	2	97.1	70	120	
[Pb]	207	1	nogas	1.895	2.068	12720	2.30	2	94.7	70	120	
U	238	1	nogas	1.835	2.300	64760	1.30	2	91.7	70	120	
Li	7	1	nogas	1.766	7.828	104274	1.96	2	88.3	70	120	
Ba	135	1	nogas	1.926	0.207	3951	0.25	2	96.3	70	120	
Tl	203	1	nogas	1.946	2.450	17919	1.47	2	97.3	70	120	
Na	23	2	He	190.988	1.166	314568	0.68	200	95.5	70	120	
Mg	24	2	He	195.370	1.271	162435	1.82	200	97.7	70	120	
Al	27	2	He	1.745	10.377	2334	3.44	2	87.3	70	120	
K	39	2	He	188.424	1.136	229031	0.35	200	94.2	70	120	
Ca	43	2	He	201.360	16.056	500	15.10	200	100.7	70	120	
Ca	44	2	He	202.547	7.442	8919	7.19	200	101.3	70	120	
V	51	2	He	1.962	5.340	12237	5.02	2	98.1	70	120	
Cr	52	2	He	1.822	7.242	19119	3.62	2	91.1	70	120	
Mn	55	2	He	1.930	3.462	8839	2.74	2	96.5	70	120	
Fe	56	2	He	191.843	0.555	1040542	0.45	200	95.9	70	120	
Co	59	2	He	2.023	0.824	15592	0.71	2	101.2	70	120	
Ni	60	2	He	1.841	7.511	3634	6.64	2	92.0	70	120	
Cu	63	2	He	2.016	6.097	10257	5.36	2	100.8	70	120	
Zn	66	2	He	1.669	8.718	2574	5.30	2	83.5	70	120	
As	75	2	He	1.997	3.688	1711	2.73	2	99.8	70	120	
Se	77	2	He	1.716	70.498	100	26.46	2	85.8	70	120	
Sb	121	2	He	2.141	2.237	9400	1.65	2	107.0	70	120	
Se	78	2	He	1.956	9.337	211	6.16	2	97.8	70	120	
Ti	47	2	He	1.949	24.267	453	23.79	2	97.4	70	120	
Zr	90	1	nogas	1.720	1.562	28331	1.64	2	86.0	70	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1682601	1.30	1618408	103.97	70	120	
In	115	1	nogas	1870205	0.41	1821198	102.69	70	120	
Li	6	1	nogas	994066	0.49	967339	102.76	70	120	
Bi	209	1	nogas	1701162	1.08	1671348	101.78	70	120	
Ge	72	2	He	482623	0.62	465764	103.62	70	120	
In	115	2	He	717596	0.45	697773	102.84	70	120	

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLICV5
Data File Name	024LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T10:31:50-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	4.449	0.364	25942	0.59	5	89.0	70	130	
B	11	1	nogas	24.347	0.637	106335	0.85	25	97.4	70	130	
Al	27	1	nogas	4.920	1.126	102439	1.06	5	98.4	70	130	
P	31	1	nogas	28.017	33.616	34469	2.69	25	112.1	70	130	
Ti	47	1	nogas	4.974	1.915	6762	0.53	5	99.5	70	130	
Ni	60	1	nogas	5.058	2.140	20297	0.87	5	101.2	70	130	
Cu	63	1	nogas	5.047	1.829	49098	2.40	5	100.9	70	130	
Zn	66	1	nogas	4.868	2.551	15732	2.96	5	97.4	70	130	
Se	77	1	nogas	2.920	77.428	4411	6.49	5	58.4	70	130	NewName Main CR1 Failed
Se	82	1	nogas	6.091	23.114	1130	20.10	5	121.8	70	130	
Sr	88	1	nogas	4.705	2.232	107561	1.49	5	94.1	70	130	
Mo	95	1	nogas	4.749	2.196	23836	2.76	5	95.0	70	130	
Ag	107	1	nogas	4.823	0.800	58016	0.35	5	96.5	70	130	
Cd	111	1	nogas	4.767	3.332	11021	3.01	5	95.3	70	130	
Sn	118	1	nogas	4.911	1.571	37813	2.14	5	98.2	70	130	
Sb	121	1	nogas	4.945	2.060	49669	3.32	5	98.9	70	130	
Ba	137	1	nogas	4.780	3.302	17241	3.72	5	95.6	70	130	
Tl	205	1	nogas	4.852	4.887	107528	3.46	5	97.0	70	130	
Pb	208	1	nogas	4.865	3.520	148772	2.10	5	97.3	70	130	
U	238	1	nogas	4.570	3.625	160656	2.19	5	91.4	70	130	
Li	7	1	nogas	4.442	0.878	152069	0.96	5	88.8	70	130	
Na	23	2	He	481.735	0.640	745403	0.76	500	96.3	70	130	
Mg	24	2	He	485.769	0.716	405489	1.12	500	97.2	70	130	
Al	27	2	He	4.916	7.868	3937	3.94	5	98.3	70	130	
K	39	2	He	471.878	1.061	478265	0.19	500	94.4	70	130	
Ca	43	2	He	498.209	5.671	1220	5.74	500	99.6	70	130	
Ca	44	2	He	495.258	3.914	20865	2.87	500	99.1	70	130	
V	51	2	He	4.866	0.814	27352	0.51	5	97.3	70	130	
Cr	52	2	He	4.866	2.488	37083	2.60	5	97.3	70	130	
Mn	55	2	He	4.878	4.666	21983	4.69	5	97.6	70	130	
Fe	56	2	He	482.285	1.959	2615637	1.36	500	96.5	70	130	
Co	59	2	He	5.094	1.164	39348	1.10	5	101.9	70	130	
Ni	60	2	He	4.897	4.295	9510	4.74	5	97.9	70	130	
Cu	63	2	He	4.947	1.257	24607	2.24	5	98.9	70	130	
Zn	66	2	He	5.014	9.442	6125	8.21	5	100.3	70	130	
As	75	2	He	4.898	4.178	4003	3.31	5	98.0	70	130	
Sb	121	2	He	4.843	1.725	20622	1.12	5	96.9	70	130	
Se	78	2	He	5.024	6.622	441	6.46	5	100.5	70	130	
Ti	47	2	He	5.051	9.500	1153	8.73	5	101.0	70	130	
Zr	90	1	nogas	4.234	1.213	68369	1.73	5	84.7	70	130	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1667351	1.36	1618408	103.02	70	120	
In	115	1	nogas	1885324	0.76	1821198	103.52	70	120	
Li	6	1	nogas	989308	0.57	967339	102.27	70	120	
Bi	209	1	nogas	1699584	1.45	1671348	101.69	70	120	
Ge	72	2	He	485776	1.03	465764	104.30	70	120	
In	115	2	He	718522	0.23	697773	102.97	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICB
Data File Name	026_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T10:36:04-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Sb	121	1	nogas	0.020	9.6	1503	1.4	2	
V	51	2	He	-0.181	-61.9	1207	46.2	2.5	
Sb	121	2	He	-0.010	-78.7	573	6.6	2	
V	51	1	nogas	-0.008	-928.9	601	225.6	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1675324	1.39	1618408	103.52	70	120	
In	115	1	nogas	1859705	1.16	1821198	102.11	70	120	
Li	6	1	nogas	988979	0.72	967339	102.24	70	120	
Bi	209	1	nogas	1672180	2.04	1671348	100.05	70	120	
Ge	72	2	He	481465	1.23	465764	103.37	70	120	
In	115	2	He	713943	0.92	697773	102.32	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSA
Data File Name	027ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T10:38:11-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	0.015	24.355	170	11.76	2	0.7	100	50	
B	11	1	nogas	2.429	12.651	25426	2.74	20	12.1	100	50	
Al	27	1	nogas	90726.421	1.205	1195000942	1.27	10	907264.2	100	0	
P	31	1	nogas	872909.743	2.272	71791727	0.90	20	4364548.7	100	50	ICSA Main CR1 FailedICSA Main CR2 Failed
Ti	47	1	nogas	1978.592	1.357	2629606	1.52	5	39571.8	100	50	ICSA Main CR1 Failed
Ni	60	1	nogas	1.552	5.048	6385	2.84	5	31.0	100	50	
Cu	63	1	nogas	1.144	2.097	12032	4.20	2	57.2	100	50	
Zn	66	1	nogas	3.702	4.988	12475	2.79	5	74.0	100	50	ICSA Main CR1 Failed
Se	77	1	nogas	12.797	12.758	5554	5.57	5	255.9	100	50	ICSA Main CR1 Failed
Se	82	1	nogas	0.259	210.651	230	33.96	2	12.9	100	50	
Sr	88	1	nogas	0.898	1.775	18822	3.55	5	18.0	100	50	
Mo	95	1	nogas	1975.354	1.627	8780237	0.60	5	39507.1	100	50	ICSA Main CR1 Failed
Ag	107	1	nogas	0.053	31.583	680	28.63	5	1.1	100	50	
Cd	111	1	nogas	0.894	33.424	1849	31.86	2	44.7	100	50	
Sn	118	1	nogas	0.207	2.236	3644	2.06	10	2.1	100	50	
Sb	121	1	nogas	0.064	11.418	1917	3.92	4	1.6	100	50	
Ba	137	1	nogas	0.484	5.051	1653	4.93	5	9.7	100	50	
Tl	205	1	nogas	0.013	11.829	503	6.07	2	0.6	100	50	
Pb	208	1	nogas	0.932	2.896	26364	2.85	5	18.6	100	50	
U	238	1	nogas	0.008	55.624	543	25.79	5	0.2	0	50	
Li	7	1	nogas	0.278	1.327	70438	1.31		#DIV/0!	0	50	
Ba	135	1	nogas	0.400	12.194	803	9.67		#DIV/0!	0	50	
Tl	203	1	nogas	0.007	62.511	180	22.22		#DIV/0!	0	50	
Na	23	2	He	97034.732	0.672	137002545	1.37	200	48517.4	100	0	
Mg	24	2	He	96878.862	1.051	77266269	0.21	200	48439.4	100	0	
Al	27	2	He	96154.921	0.957	46142046	1.10	10	961549.2	100	0	
K	39	2	He	97591.793	1.602	81698477	0.69	200	48795.9	100	0	
Ca	43	2	He	93026.936	0.519	214944	1.32	200	46513.5	100	0	
Ca	44	2	He	94624.801	0.667	3680340	0.63	200	47312.4	100	0	
V	51	2	He	0.225	55.604	3177	18.59	5	4.5	100	50	
Cr	52	2	He	0.752	15.101	12415	4.45	5	15.0	100	50	
Mn	55	2	He	1.531	6.249	6818	4.79	5	30.6	100	50	
Fe	56	2	He	96014.204	0.860	496286446	1.01	200	48007.1	100	50	ICSA Main CR1 Failed
Co	59	2	He	1.028	8.127	7679	6.98	5	20.6	100	50	
Ni	60	2	He	1.163	4.995	2260	4.22	5	23.3	100	50	
Cu	63	2	He	0.969	3.926	5004	4.70	2	48.4	100	50	
Zn	66	2	He	3.317	8.481	4144	6.00	5	66.3	100	50	ICSA Main CR1 Failed
As	75	2	He	0.401	20.959	448	13.81	5	8.0	100	50	
Sb	121	2	He	0.064	8.724	847	2.73	4	1.6	100	50	
Se	78	2	He	-0.064	-242.227	60	17.32	2	-3.2	100	50	
Ti	47	2	He	1969.718	1.687	424138	0.70	5	39394.4	100	50	ICSA Main CR1 Failed
Cr	52	1	nogas	0.699	5.249	23789	1.33		#DIV/0!	0	50	
Mn	55	1	nogas	0.971	2.957	25485	1.58		#DIV/0!	0	50	
Co	59	1	nogas	0.935	4.849	17043	2.51		#DIV/0!	0	50	
V	51	1	nogas	0.083	71.109	2308	48.11		#DIV/0!	0	50	
Fe	56	1	nogas	95824.768	2.217	1732599388	0.22		#DIV/0!	0	50	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1662815	2.44	1618408	102.74	70	120	
In	115	1	nogas	1689169	1.95	1821198	92.75	70	120	
Li	6	1	nogas	905861	1.23	967339	93.64	70	120	
Bi	209	1	nogas	1523709	0.95	1671348	91.17	70	120	
Ge	72	2	He	464947	1.23	465764	99.82	70	120	
In	115	2	He	647092	0.30	697773	92.74	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	028ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T10:40:15-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	90.412	0.492	459544	0.98	100	90.4	80	120	
B	11	1	nogas	487.132	0.151	1544152	0.88	100	487.1	80	120	ICSB Main CR1 Failed
Al	27	1	nogas	92987.663	2.415	1247947901	0.81	100100	92.9	80	120	
Ti	47	1	nogas	2151.780	0.929	2914291	0.73	2100	102.5	80	120	
Ni	60	1	nogas	90.402	0.831	364367	1.35	100	90.4	80	120	
Cu	63	1	nogas	90.186	0.523	870779	1.59	100	90.2	80	120	
Zn	66	1	nogas	97.072	0.991	274353	1.21	100	97.1	80	120	
Se	77	1	nogas	118.194	2.911	18201	0.85	100	118.2	80	120	
Se	82	1	nogas	97.601	3.862	15448	4.74	100	97.6	80	120	
Sr	88	1	nogas	103.278	0.827	2145314	2.31	100	103.3	80	120	
Mo	95	1	nogas	2148.974	1.788	9735311	1.28	2100	102.3	80	120	
Ag	107	1	nogas	97.301	0.481	1066753	1.89	100	97.3	80	120	
Cd	111	1	nogas	100.874	0.799	212814	1.34	100	100.9	80	120	
Sn	118	1	nogas	99.700	0.311	655456	1.58	100	99.7	80	120	
Sb	121	1	nogas	96.198	1.248	957343	1.41	100	96.2	80	120	
Ba	137	1	nogas	101.270	0.468	331463	2.19	100	101.3	80	120	
Tl	205	1	nogas	100.535	2.583	2025075	2.79	100	100.5	80	120	
Pb	208	1	nogas	101.599	1.976	2810903	2.19	100	101.6	80	120	
U	238	1	nogas	100.267	2.029	3204824	2.19	100	100.3	80	120	
Li	7	1	nogas	97.030	0.376	1594560	0.70	100	97.0	80	120	
Na	23	2	He	110304.177	1.067	157129908	1.01	110000	100.3	80	120	
Mg	24	2	He	109084.629	1.069	87788632	1.01	110000	99.2	80	120	
Al	27	2	He	99079.878	0.679	47974523	0.86	100100	99.0	80	120	
K	39	2	He	110684.670	1.052	93492882	1.03	110000	100.6	80	120	
Ca	43	2	He	107041.228	0.716	249540	0.61	110000	97.3	80	120	
Ca	44	2	He	108108.241	1.003	4242606	1.01	110000	98.3	80	120	
V	51	2	He	96.497	0.584	484500	0.71	100	96.5	80	120	
Cr	52	2	He	95.770	0.745	550129	0.61	100	95.8	80	120	
Mn	55	2	He	96.659	1.143	414558	0.98	100	96.7	80	120	
Fe	56	2	He	108613.380	0.533	566470552	0.63	110000	98.7	80	120	
Co	59	2	He	94.717	0.493	704686	0.46	100	94.7	80	120	
Ni	60	2	He	93.303	1.788	172588	1.92	100	93.3	80	120	
Cu	63	2	He	93.078	1.072	438309	0.89	100	93.1	80	120	
Zn	66	2	He	98.754	1.756	101550	1.57	100	98.8	80	120	
As	75	2	He	100.134	0.699	76170	0.64	100	100.1	80	120	
Sb	121	2	He	98.297	1.302	392691	1.24	100	98.3	80	120	
Se	78	2	He	100.234	2.567	7253	2.38	100	100.2	80	120	
Ti	47	2	He	2146.286	0.364	466365	0.46	100	2146.3	80	120	ICSB Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1694373	1.60	1618408	104.69	70	120	
In	115	1	nogas	1721519	1.76	1821198	94.53	70	120	
Li	6	1	nogas	865479	0.74	967339	89.47	70	120	
Bi	209	1	nogas	1547756	0.24	1671348	92.61	70	120	
Ge	72	2	He	469118	0.18	465764	100.72	70	120	
In	115	2	He	644125	0.50	697773	92.31	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	031_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T11:03:07-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	101.226	0.537	558399	0.36	100	101.2	90	110	
B	11	1	nogas	455.329	1.380	1567732	1.66	500	91.1	90	110	
Al	27	1	nogas	105.101	0.959	1485999	1.04	100	105.1	90	110	
P	31	1	nogas	4595.015	1.056	428412	0.51	500	919.0	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	109.268	1.094	151931	1.51	100	109.3	90	110	
Ni	60	1	nogas	106.882	0.237	441821	1.36	100	106.9	90	110	
Cu	63	1	nogas	106.371	0.360	1053241	1.78	100	106.4	90	110	
Zn	66	1	nogas	105.658	0.718	306080	1.01	100	105.7	90	110	
Se	77	1	nogas	105.566	4.313	17127	2.27	100	105.6	90	110	
Se	82	1	nogas	105.393	3.797	17093	4.59	100	105.4	90	110	
Sr	88	1	nogas	106.105	0.238	2432753	0.86	100	106.1	90	110	
Mo	95	1	nogas	102.468	0.644	512747	1.15	100	102.5	90	110	
Ag	107	1	nogas	102.720	0.342	1243130	1.37	100	102.7	90	110	
Cd	111	1	nogas	106.703	0.646	248510	1.45	100	106.7	90	110	
Sn	118	1	nogas	106.648	0.118	773793	1.19	100	106.6	90	110	
Sb	121	1	nogas	108.261	0.531	1105024	1.94	100	108.3	90	110	
Ba	137	1	nogas	104.643	1.351	378084	2.32	100	104.6	90	110	
Tl	205	1	nogas	109.812	2.149	2487438	1.45	100	109.8	90	110	
Pb	208	1	nogas	105.475	2.305	3281598	1.62	100	105.5	90	110	
U	238	1	nogas	110.717	2.136	3979673	1.50	100	110.7	90	110	CCV Main CR1-2 Failed
Li	7	1	nogas	95.855	0.530	1710520	0.75	100	95.9	90	110	
Ba	135	1	nogas	105.418	1.958	214866	2.90	100	105.4	90	110	
Tl	203	1	nogas	109.406	2.614	1023646	2.01	100	109.4	90	110	
Na	23	2	He	9735.074	2.537	14787231	2.58	10000	97.4	90	110	
Mg	24	2	He	9994.900	0.867	8558458	0.73	10000	99.9	90	110	
Al	27	2	He	102.869	0.154	54507	0.63	100	102.9	90	110	
K	39	2	He	10021.596	1.522	9067877	1.70	10000	100.2	90	110	
Ca	43	2	He	10038.558	1.134	24914	0.62	10000	100.4	90	110	
Ca	44	2	He	9866.957	0.688	412683	1.19	10000	98.7	90	110	
V	51	2	He	105.378	0.451	562711	0.66	100	105.4	90	110	
Cr	52	2	He	105.818	0.349	645784	0.50	100	105.8	90	110	
Mn	55	2	He	104.594	1.073	477256	1.35	100	104.6	90	110	
Fe	56	2	He	10060.917	0.774	55838008	1.02	10000	100.6	90	110	
Co	59	2	He	105.681	0.466	836503	0.45	100	105.7	90	110	
Ni	60	2	He	106.522	0.467	209614	0.52	100	106.5	90	110	
Cu	63	2	He	106.148	0.792	531736	0.47	100	106.1	90	110	
Zn	66	2	He	102.558	0.861	112175	1.22	100	102.6	90	110	
As	75	2	He	103.798	1.246	83996	0.75	100	103.8	90	110	
Sb	121	2	He	105.680	0.406	449129	0.55	100	105.7	90	110	
Se	78	2	He	105.706	1.153	8134	0.64	100	105.7	90	110	
Ti	47	2	He	104.472	2.622	24170	2.78	100	104.5	90	110	
Zr	90	1	nogas	51.780	0.435	827806	1.52	100	51.8	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1737879	1.44	1618408	107.38	70	120	
In	115	1	nogas	1900311	1.09	1821198	104.34	70	120	
Li	6	1	nogas	939342	0.40	967339	97.11	70	120	
Bi	209	1	nogas	1740789	0.71	1671348	104.15	70	120	
Ge	72	2	He	499111	0.52	465764	107.16	70	120	
In	115	2	He	727422	0.59	697773	104.25	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	032_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T11:05:12-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.058	26.7	442	20.5	2.5	
B	11	1	nogas	10.704	21.3	57969	14.1	2.5	CCB Main CR1 Failed
Al	27	1	nogas	0.617	9.9	47106	2.1	5	
P	31	1	nogas	-18.233	-46.2	31666	2.6	2.5	
Ti	47	1	nogas	0.343	30.4	610	23.6	2.5	
Ni	60	1	nogas	0.119	13.9	750	9.3	2.5	
Cu	63	1	nogas	0.081	24.2	2044	9.6	5	
Zn	66	1	nogas	0.124	81.0	2737	10.3	2.5	
Se	77	1	nogas	-6.619	-25.9	3400	5.8	2.5	
Se	82	1	nogas	0.241	164.7	237	26.8	5	
Sr	88	1	nogas	0.071	13.9	2230	10.6	2.5	
Mo	95	1	nogas	0.728	18.6	3961	17.2	2.5	
Ag	107	1	nogas	0.077	14.9	1070	13.6	2.5	
Cd	111	1	nogas	0.069	62.3	169	60.1	2.5	
Sn	118	1	nogas	0.600	11.2	7025	7.2	2.5	
Sb	121	1	nogas	0.327	7.8	4647	5.2	2	
Ba	137	1	nogas	0.084	9.9	420	7.1	2.5	
Tl	205	1	nogas	0.378	49.4	8970	48.8	2.5	
Pb	208	1	nogas	0.094	13.2	4074	10.4	2.5	
U	238	1	nogas	0.094	25.9	3724	24.6	2.5	
Na	23	2	He	8.921	3.0	49152	0.7	100	
Mg	24	2	He	4.933	0.6	4891	1.0	100	
Al	27	2	He	0.268	138.7	1643	12.1	5	
K	39	2	He	6.698	6.3	73222	0.2	100	
Ca	43	2	He	17.153	41.8	60	28.9	100	
Ca	44	2	He	12.464	14.4	1280	6.1	100	
V	51	2	He	-0.042	-228.4	1988	25.9	2.5	
Cr	52	2	He	-0.142	-42.0	7899	4.3	2.5	
Mn	55	2	He	0.121	4.7	890	2.2	2.5	
Fe	56	2	He	7.560	6.4	53254	5.7	100	
Co	59	2	He	0.047	24.4	480	18.2	2.5	
Ni	60	2	He	0.088	27.1	310	14.8	2.5	
Cu	63	2	He	0.061	28.5	823	9.9	5	
Zn	66	2	He	0.137	49.9	993	8.1	2.5	
As	75	2	He	0.154	32.2	280	14.5	2.5	
Sb	121	2	He	0.211	6.2	1520	3.0	2	
Se	78	2	He	0.455	45.4	103	14.5	5	
Ti	47	2	He	0.636	147.1	163	130.9	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1722285	0.31	1618408	106.42	70	120	
In	115	1	nogas	1924274	0.36	1821198	105.66	70	120	
Li	6	1	nogas	998652	0.23	967339	103.24	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	1756378	0.99	1671348	105.09	70	120	
Ge	72	2	He	496159	0.75	465764	106.53	70	120	
In	115	2	He	737924	0.56	697773	105.75	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	043_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T11:28:49-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	101.622	0.139	577223	0.66	100	101.6	90	110	
B	11	1	nogas	453.305	0.914	1607181	1.53	500	90.7	90	110	
Al	27	1	nogas	104.415	0.932	1517545	0.60	100	104.4	90	110	
P	31	1	nogas	4635.996	1.986	443911	1.01	500	927.2	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	108.919	0.815	155659	1.65	100	108.9	90	110	
Ni	60	1	nogas	105.778	0.978	449412	1.71	100	105.8	90	110	
Cu	63	1	nogas	106.838	0.568	1087206	1.41	100	106.8	90	110	
Zn	66	1	nogas	104.600	1.138	311458	1.37	100	104.6	90	110	
Se	77	1	nogas	102.729	1.577	17250	1.47	100	102.7	90	110	
Se	82	1	nogas	107.123	1.945	17851	2.57	100	107.1	90	110	
Sr	88	1	nogas	106.335	0.716	2481263	0.71	100	106.3	90	110	
Mo	95	1	nogas	102.017	0.032	519564	1.18	100	102.0	90	110	
Ag	107	1	nogas	103.048	0.321	1269209	1.00	100	103.0	90	110	
Cd	111	1	nogas	107.202	0.809	254103	1.40	100	107.2	90	110	
Sn	118	1	nogas	106.229	0.222	784446	1.19	100	106.2	90	110	
Sb	121	1	nogas	107.350	0.956	1126134	1.81	100	107.4	90	110	
Ba	137	1	nogas	104.436	0.815	384030	1.96	100	104.4	90	110	
Tl	205	1	nogas	108.944	2.662	2500195	1.95	100	108.9	90	110	
Pb	208	1	nogas	105.576	2.337	3327926	1.59	100	105.6	90	110	
U	238	1	nogas	111.113	3.374	4046204	2.66	100	111.1	90	110	CCV Main CR1-2 Failed
Li	7	1	nogas	95.927	0.163	1762562	0.82	100	95.9	90	110	
Ba	135	1	nogas	104.575	0.893	216920	1.95	100	104.6	90	110	
Tl	203	1	nogas	109.202	3.500	1035126	2.76	100	109.2	90	110	
Na	23	2	He	10020.690	0.527	15436867	1.95	10000	100.2	90	110	
Mg	24	2	He	10168.615	1.755	8829465	0.15	10000	101.7	90	110	
Al	27	2	He	105.453	2.275	56618	0.62	100	105.5	90	110	
K	39	2	He	10074.423	2.702	9242153	1.10	10000	100.7	90	110	
Ca	43	2	He	10060.936	1.135	25325	1.71	10000	100.6	90	110	
Ca	44	2	He	9981.613	2.520	423281	0.94	10000	99.8	90	110	
V	51	2	He	106.378	0.543	576069	1.08	100	106.4	90	110	
Cr	52	2	He	106.390	0.828	658403	0.81	100	106.4	90	110	
Mn	55	2	He	104.750	1.128	484698	0.56	100	104.8	90	110	
Fe	56	2	He	10039.249	1.564	56500109	0.07	10000	100.4	90	110	
Co	59	2	He	106.331	0.916	853560	1.04	100	106.3	90	110	
Ni	60	2	He	106.979	1.090	213482	0.64	100	107.0	90	110	
Cu	63	2	He	107.891	1.358	548077	0.26	100	107.9	90	110	
Zn	66	2	He	103.072	2.191	114307	0.57	100	103.1	90	110	
As	75	2	He	104.496	1.245	85759	1.20	100	104.5	90	110	
Sb	121	2	He	107.139	0.955	461818	2.15	100	107.1	90	110	
Se	78	2	He	104.597	0.971	8164	0.80	100	104.6	90	110	
Ti	47	2	He	105.102	1.312	24664	2.91	100	105.1	90	110	
Zr	90	1	nogas	51.978	0.194	845702	1.34	100	52.0	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1786085	0.86	1618408	110.36	70	120	
In	115	1	nogas	1934061	1.18	1821198	106.20	70	120	
Li	6	1	nogas	967220	0.69	967339	99.99	70	120	
Bi	209	1	nogas	1763699	0.76	1671348	105.53	70	120	
Ge	72	2	He	506208	1.62	465764	108.68	70	120	
In	115	2	He	740438	0.68	697773	106.11	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	044_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T11:30:56-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.060	17.1	458	13.7	2.5	
B	11	1	nogas	10.191	19.5	57176	12.8	2.5	CCB Main CR1 Failed
Al	27	1	nogas	0.640	18.1	47975	3.2	5	
P	31	1	nogas	-9.376	-47.5	32802	0.8	2.5	
Ti	47	1	nogas	0.230	8.8	460	5.8	2.5	
Ni	60	1	nogas	0.119	25.6	757	16.6	2.5	
Cu	63	1	nogas	0.063	19.0	1883	6.1	5	
Zn	66	1	nogas	0.142	51.0	2820	7.3	2.5	
Se	77	1	nogas	-5.346	-17.4	3597	3.3	2.5	
Se	82	1	nogas	0.805	27.6	330	10.5	5	
Sr	88	1	nogas	0.083	20.5	2540	14.4	2.5	
Mo	95	1	nogas	0.588	27.6	3277	24.0	2.5	
Ag	107	1	nogas	0.079	12.2	1107	11.4	2.5	
Cd	111	1	nogas	0.079	16.9	195	15.8	2.5	
Sn	118	1	nogas	0.626	13.9	7275	7.8	2.5	
Sb	121	1	nogas	0.343	19.4	4858	13.7	2	
Ba	137	1	nogas	0.091	9.9	450	6.7	2.5	
Tl	205	1	nogas	0.361	44.6	8560	44.2	2.5	
Pb	208	1	nogas	0.099	20.5	4230	16.2	2.5	
U	238	1	nogas	0.101	28.6	3974	27.3	2.5	
Na	23	2	He	8.534	7.8	49603	3.1	100	
Mg	24	2	He	5.027	5.2	5078	5.6	100	
Al	27	2	He	0.481	46.7	1790	7.9	5	
K	39	2	He	6.088	5.3	74217	1.3	100	
Ca	43	2	He	17.894	55.2	63	39.7	100	
Ca	44	2	He	13.135	42.7	1333	16.6	100	
V	51	2	He	-0.057	-94.4	1945	13.7	2.5	
Cr	52	2	He	-0.118	-70.7	8216	6.5	2.5	
Mn	55	2	He	0.120	16.8	903	9.5	2.5	
Fe	56	2	He	7.154	6.9	52097	6.3	100	
Co	59	2	He	0.058	19.1	580	15.0	2.5	
Ni	60	2	He	0.073	26.2	287	14.1	2.5	
Cu	63	2	He	0.054	12.3	803	5.6	5	
Zn	66	2	He	0.121	21.5	997	3.8	2.5	
As	75	2	He	0.139	10.5	273	4.4	2.5	
Sb	121	2	He	0.229	5.5	1633	2.8	2	
Se	78	2	He	0.390	32.7	101	10.9	5	
Ti	47	2	He	0.247	67.6	77	52.7	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1742671	0.44	1618408	107.68	70	120	

Continuing Calibration Blank (CCB) Report

In	115	1	nogas	1941294	1.36	1821198	106.59	70	120	
Li	6	1	nogas	1017435	0.45	967339	105.18	70	120	
Bi	209	1	nogas	1754224	1.14	1671348	104.96	70	120	
Ge	72	2	He	506665	1.45	465764	108.78	70	120	
In	115	2	He	745617	0.43	697773	106.86	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	067_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T12:22:05-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	99.969	0.509	529439	0.37	100	100.0	90	110	
B	11	1	nogas	446.103	1.861	1474998	2.27	500	89.2	90	110	CCV Main CR1-2 Failed
Al	27	1	nogas	100.555	1.166	1428252	1.94	100	100.6	90	110	
P	31	1	nogas	4423.905	1.287	415072	0.50	500	884.8	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	105.057	1.376	146583	2.57	100	105.1	90	110	
Ni	60	1	nogas	102.546	0.591	425301	1.08	100	102.5	90	110	
Cu	63	1	nogas	103.541	1.042	1028584	1.39	100	103.5	90	110	
Zn	66	1	nogas	102.583	0.496	298231	1.05	100	102.6	90	110	
Se	77	1	nogas	103.724	4.769	16967	4.77	100	103.7	90	110	
Se	82	1	nogas	105.668	1.165	17190	0.92	100	105.7	90	110	
Sr	88	1	nogas	103.147	0.962	2437859	1.52	100	103.1	90	110	
Mo	95	1	nogas	98.463	1.200	507930	2.07	100	98.5	90	110	
Ag	107	1	nogas	99.640	1.483	1243098	2.47	100	99.6	90	110	
Cd	111	1	nogas	103.380	1.794	248215	2.82	100	103.4	90	110	
Sn	118	1	nogas	105.284	1.433	787493	2.13	100	105.3	90	110	
Sb	121	1	nogas	109.448	0.382	1120754	1.27	100	109.4	90	110	
Ba	137	1	nogas	103.317	0.851	384760	1.28	100	103.3	90	110	
Tl	205	1	nogas	107.600	2.491	2499644	1.94	100	107.6	90	110	
Pb	208	1	nogas	104.225	1.881	3325704	1.28	100	104.2	90	110	
U	238	1	nogas	108.666	2.642	4005699	1.95	100	108.7	90	110	
Li	7	1	nogas	95.059	0.463	1629105	0.85	100	95.1	90	110	
Ba	135	1	nogas	104.435	1.688	219401	2.18	100	104.4	90	110	
Tl	203	1	nogas	107.384	2.503	1030411	1.86	100	107.4	90	110	
Na	23	2	He	9549.730	2.711	14405012	2.53	10000	95.5	90	110	
Mg	24	2	He	9763.050	1.402	8301560	0.77	10000	97.6	90	110	
Al	27	2	He	100.708	2.170	53018	1.60	100	100.7	90	110	
K	39	2	He	9693.662	0.383	8712530	1.05	10000	96.9	90	110	
Ca	43	2	He	9578.416	2.756	23605	1.85	10000	95.8	90	110	
Ca	44	2	He	9631.848	1.058	400045	0.48	10000	96.3	90	110	
V	51	2	He	103.037	0.685	546424	0.30	100	103.0	90	110	
Cr	52	2	He	102.456	1.332	621171	0.41	100	102.5	90	110	
Mn	55	2	He	102.193	0.350	463059	0.56	100	102.2	90	110	
Fe	56	2	He	9865.711	1.197	54374816	1.43	10000	98.7	90	110	
Co	59	2	He	103.593	1.010	814267	0.51	100	103.6	90	110	
Ni	60	2	He	103.275	1.228	201827	1.77	100	103.3	90	110	
Cu	63	2	He	104.229	0.463	518523	0.74	100	104.2	90	110	
Zn	66	2	He	102.925	1.076	111798	1.92	100	102.9	90	110	
As	75	2	He	104.683	1.310	84121	0.48	100	104.7	90	110	
Sb	121	2	He	108.511	1.095	457928	0.61	100	108.5	90	110	
Se	78	2	He	104.736	0.889	8005	1.50	100	104.7	90	110	
Ti	47	2	He	102.093	1.016	23455	1.11	100	102.1	90	110	
Zr	90	1	nogas	49.895	1.521	822255	1.84	100	49.9	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1743610	1.23	1618408	107.74	70	120	
In	115	1	nogas	1958849	1.04	1821198	107.56	70	120	
Li	6	1	nogas	901830	0.77	967339	93.23	70	120	
Bi	209	1	nogas	1785293	0.80	1671348	106.82	70	120	
Ge	72	2	He	495654	0.90	465764	106.42	70	120	
In	115	2	He	732801	0.64	697773	105.02	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	068_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T12:24:11-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.075	15.8	517	12.9	2.5	
B	11	1	nogas	8.619	21.4	48214	13.0	2.5	CCB Main CR1 Failed
Al	27	1	nogas	0.943	2.2	51145	1.9	5	
P	31	1	nogas	-30.270	-13.6	30397	0.2	2.5	
Ti	47	1	nogas	0.271	17.7	507	11.9	2.5	
Ni	60	1	nogas	0.141	21.8	833	14.0	2.5	
Cu	63	1	nogas	0.142	6.9	2617	2.5	5	
Zn	66	1	nogas	0.188	40.9	2897	8.6	2.5	
Se	77	1	nogas	-0.589	-452.1	4097	7.4	2.5	
Se	82	1	nogas	0.634	31.8	297	10.3	5	
Sr	88	1	nogas	0.099	9.1	2904	6.7	2.5	
Mo	95	1	nogas	0.599	10.4	3317	10.0	2.5	
Ag	107	1	nogas	0.075	19.4	1040	17.7	2.5	
Cd	111	1	nogas	0.073	15.7	179	15.1	2.5	
Sn	118	1	nogas	0.688	15.6	7686	10.8	2.5	
Sb	121	1	nogas	0.334	8.5	4674	4.8	2	
Ba	137	1	nogas	0.112	31.0	523	24.9	2.5	
Tl	205	1	nogas	0.402	43.6	9577	43.5	2.5	
Pb	208	1	nogas	0.144	12.3	5701	11.1	2.5	
U	238	1	nogas	0.110	18.1	4347	18.1	2.5	
Na	23	2	He	14.873	2.8	58227	0.8	100	
Mg	24	2	He	5.868	8.1	5698	7.4	100	
Al	27	2	He	1.030	36.8	2037	9.8	5	
K	39	2	He	5.879	25.4	72632	2.1	100	
Ca	43	2	He	17.068	23.5	60	16.7	100	
Ca	44	2	He	14.652	13.0	1373	5.9	100	
V	51	2	He	-0.021	-482.5	2097	25.6	2.5	
Cr	52	2	He	-0.190	-16.2	7632	2.2	2.5	
Mn	55	2	He	0.092	35.2	760	19.6	2.5	
Fe	56	2	He	8.506	8.5	58577	7.1	100	
Co	59	2	He	0.044	23.9	457	18.4	2.5	
Ni	60	2	He	0.099	8.0	333	4.6	2.5	
Cu	63	2	He	0.105	14.0	1043	7.2	5	
Zn	66	2	He	0.145	50.5	1003	8.0	2.5	
As	75	2	He	0.207	21.7	323	10.9	2.5	
Sb	121	2	He	0.164	22.2	1327	11.8	2	
Se	78	2	He	0.363	54.0	97	15.7	5	
Ti	47	2	He	0.139	61.9	50	40.0	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1708823	1.33	1618408	105.59	70	120	
In	115	1	nogas	1927920	0.59	1821198	105.86	70	120	
Li	6	1	nogas	954875	0.40	967339	98.71	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	1767667	1.25	1671348	105.76	70	120	
Ge	72	2	He	497100	0.30	465764	106.73	70	120	
In	115	2	He	738308	0.51	697773	105.81	70	120	

Sample Report

Sample Table

Sample Name	LCS-214353
Data File Name	070SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T12:28:36-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	41.412	41.412	0.35	230507	0.02	2000	
B	11	1	nogas	2.580	2.580	23.14	27112	0.01	2000	
Al	27	1	nogas	99.614	99.614	1.61	1388179	0.01	2000	
Ti	47	1	nogas	138.078	138.078	1.01	188928	0.07	2000	
Ni	60	1	nogas	46.986	46.986	0.80	191322	0.02	2000	
Cu	63	1	nogas	47.185	47.185	0.50	460535	0.01	2000	
Zn	66	1	nogas	46.913	46.913	2.28	135057	0.03	2000	
Se	77	1	nogas	49.787	49.787	1.26	10157	0.49	2000	
Se	82	1	nogas	49.079	49.079	1.08	7939	0.62	2000	
Sr	88	1	nogas	90.615	90.615	0.92	2120202	0.00	2000	
Mo	95	1	nogas	45.882	45.882	1.26	234444	0.02	2000	
Ag	107	1	nogas	47.055	47.055	0.63	581112	0.01	2000	
Cd	111	1	nogas	46.643	46.643	2.22	110878	0.04	2000	
Sn	118	1	nogas	91.947	91.947	1.05	681167	0.01	2000	
Sb	121	1	nogas	48.184	48.184	0.62	484832	0.01	2000	
Ba	137	1	nogas	47.160	47.160	0.85	173914	0.03	2000	
Tl	205	1	nogas	44.774	44.774	4.42	1069639	0.00	2000	
Pb	208	1	nogas	45.080	45.080	4.47	1479610	0.00	2000	
U	238	1	nogas	0.013	0.013	21.51	827	0.00	2000	
Na	23	2	He	4605.136	4605.136	1.11	6976016	0.07	200000	
Mg	24	2	He	4541.074	4541.074	0.66	3868097	0.12	200000	
Al	27	2	He	99.353	99.353	0.81	52413	0.19	2000	
K	39	2	He	4470.327	4470.327	0.52	4060364	0.11	200000	
Ca	43	2	He	4926.032	4926.032	2.32	12168	40.48	200000	
Ca	44	2	He	4795.399	4795.399	1.73	199868	2.40	200000	
V	51	2	He	45.623	45.623	0.42	243570	0.02	2000	
Cr	52	2	He	46.301	46.301	0.28	285979	0.02	2000	
Mn	55	2	He	46.732	46.732	0.92	212274	0.02	2000	
Fe	56	2	He	4794.159	4794.159	1.51	26469297	0.02	200000	
Co	59	2	He	46.993	46.993	0.44	370036	0.01	2000	
Ni	60	2	He	46.334	46.334	0.52	90766	0.05	2000	
Cu	63	2	He	47.635	47.635	0.95	237639	0.02	2000	
Zn	66	2	He	46.462	46.462	1.89	51007	0.09	2000	
As	75	2	He	46.512	46.512	1.27	37524	0.12	2000	
Sb	121	2	He	47.670	47.670	0.34	201857	0.02	2000	
Se	78	2	He	45.861	45.861	1.27	3549	1.29	2000	
Ti	47	2	He	135.597	135.597	0.36	31196	0.43	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1710638	2.03	1618408	105.70	70	120	
In	115	1	nogas	1939083	1.89	1821198	106.47	70	120	
Li	6	1	nogas	947586	0.84	967339	97.96	70	120	
Bi	209	1	nogas	1836747	2.48	1671348	109.90	70	120	

Sample Report

Ge	72	2	He	496433	0.66	465764	106.58	70	120	
In	115	2	He	743357	1.25	697773	106.53	70	120	

Sample Report

Sample Table

Sample Name	HS24061247-01MS
Data File Name	073SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T12:34:54-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	41.354	41.354	0.83	220958	0.02	2000	
B	11	1	nogas	93.104	93.104	0.90	324357	0.03	2000	
Al	27	1	nogas	222.906	222.906	0.69	2992145	0.01	2000	
Ti	47	1	nogas	141.949	141.949	0.91	189980	0.07	2000	
Ni	60	1	nogas	45.647	45.647	1.74	181814	0.03	2000	
Cu	63	1	nogas	46.664	46.664	1.44	445504	0.01	2000	
Zn	66	1	nogas	48.330	48.330	1.37	136050	0.04	2000	
Se	77	1	nogas	52.415	52.415	0.75	10244	0.51	2000	
Se	82	1	nogas	47.074	47.074	0.74	7455	0.63	2000	
Sr	88	1	nogas	105.440	105.440	0.29	2406284	0.00	2000	
Mo	95	1	nogas	44.702	44.702	1.48	222794	0.02	2000	
Ag	107	1	nogas	45.203	45.203	0.74	544575	0.01	2000	
Cd	111	1	nogas	46.302	46.302	1.22	107341	0.04	2000	
Sn	118	1	nogas	96.638	96.638	1.83	698207	0.01	2000	
Sb	121	1	nogas	47.209	47.209	1.27	464617	0.01	2000	
Ba	137	1	nogas	62.669	62.669	0.64	225415	0.03	2000	
Tl	205	1	nogas	46.053	46.053	2.63	1043361	0.00	2000	
Pb	208	1	nogas	46.481	46.481	2.75	1446764	0.00	2000	
U	238	1	nogas	0.013	0.013	11.56	780	0.00	2000	
Na	23	2	He	22314.738	22314.738	1.71	32815745	0.07	200000	
Mg	24	2	He	4786.467	4786.467	1.46	3973900	0.12	200000	
Al	27	2	He	224.491	224.491	1.42	113583	0.20	2000	
K	39	2	He	8268.878	8268.878	0.46	7265167	0.11	200000	
Ca	43	2	He	6042.454	6042.454	5.35	14547	41.54	200000	
Ca	44	2	He	6000.157	6000.157	1.66	243580	2.46	200000	
V	51	2	He	44.738	44.738	1.18	232847	0.02	2000	
Cr	52	2	He	44.540	44.540	0.44	268475	0.02	2000	
Mn	55	2	He	98.784	98.784	0.11	437012	0.02	2000	
Fe	56	2	He	6156.919	6156.919	1.46	33132002	0.02	200000	
Co	59	2	He	45.702	45.702	0.40	350782	0.01	2000	
Ni	60	2	He	45.180	45.180	1.21	86270	0.05	2000	
Cu	63	2	He	46.055	46.055	0.77	223969	0.02	2000	
Zn	66	2	He	47.738	47.738	2.19	51061	0.09	2000	
As	75	2	He	45.518	45.518	0.83	35798	0.13	2000	
Sb	121	2	He	46.496	46.496	1.81	191919	0.02	2000	
Se	78	2	He	45.860	45.860	2.24	3460	1.33	2000	
Ti	47	2	He	138.410	138.410	1.15	31039	0.45	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1673037	0.60	1618408	103.38	70	120	
In	115	1	nogas	1891496	1.10	1821198	103.86	70	120	
Li	6	1	nogas	909618	0.35	967339	94.03	70	120	
Bi	209	1	nogas	1741148	2.15	1671348	104.18	70	120	

Sample Report

Ge	72	2	He	483892	0.32	465764	103.89	70	120	
In	115	2	He	718962	1.14	697773	103.04	70	120	

Sample Report

Sample Table

Sample Name	HS24061247-01MSD
Data File Name	074SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T12:37:00-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	39.456	39.456	0.44	212133	0.02	2000	
B	11	1	nogas	90.841	90.841	0.48	318872	0.03	2000	
Al	27	1	nogas	214.220	214.220	0.20	2893707	0.01	2000	
Ti	47	1	nogas	138.130	138.130	0.93	185931	0.07	2000	
Ni	60	1	nogas	43.826	43.826	1.15	175590	0.02	2000	
Cu	63	1	nogas	44.024	44.024	1.30	422796	0.01	2000	
Zn	66	1	nogas	45.830	45.830	2.09	129900	0.04	2000	
Se	77	1	nogas	53.100	53.100	1.49	10384	0.51	2000	
Se	82	1	nogas	44.407	44.407	0.98	7085	0.63	2000	
Sr	88	1	nogas	101.382	101.382	0.62	2318491	0.00	2000	
Mo	95	1	nogas	43.075	43.075	1.09	215129	0.02	2000	
Ag	107	1	nogas	43.830	43.830	0.47	529116	0.01	2000	
Cd	111	1	nogas	44.035	44.035	1.69	102276	0.04	2000	
Sn	118	1	nogas	94.220	94.220	0.94	682075	0.01	2000	
Sb	121	1	nogas	45.476	45.476	0.48	450213	0.01	2000	
Ba	137	1	nogas	60.240	60.240	1.99	217081	0.03	2000	
Tl	205	1	nogas	44.164	44.164	2.35	1003242	0.00	2000	
Pb	208	1	nogas	44.498	44.498	2.43	1388810	0.00	2000	
U	238	1	nogas	0.012	0.012	12.04	757	0.00	2000	
Na	23	2	He	21729.535	21729.535	3.07	32171840	0.07	200000	
Mg	24	2	He	4578.997	4578.997	1.70	3827700	0.12	200000	
Al	27	2	He	213.526	213.526	1.67	108850	0.20	2000	
K	39	2	He	7958.106	7958.106	1.81	7042184	0.11	200000	
Ca	43	2	He	5894.732	5894.732	1.58	14290	41.25	200000	
Ca	44	2	He	5739.843	5739.843	0.73	234656	2.45	200000	
V	51	2	He	43.186	43.186	1.08	226418	0.02	2000	
Cr	52	2	He	43.305	43.305	0.85	263072	0.02	2000	
Mn	55	2	He	95.241	95.241	1.71	424217	0.02	2000	
Fe	56	2	He	5968.157	5968.157	0.99	32337808	0.02	200000	
Co	59	2	He	43.630	43.630	1.24	337178	0.01	2000	
Ni	60	2	He	44.256	44.256	2.78	85083	0.05	2000	
Cu	63	2	He	43.880	43.880	1.46	214891	0.02	2000	
Zn	66	2	He	44.600	44.600	2.32	48088	0.09	2000	
As	75	2	He	43.713	43.713	0.71	34621	0.13	2000	
Sb	121	2	He	45.319	45.319	0.37	188373	0.02	2000	
Se	78	2	He	43.977	43.977	1.38	3343	1.32	2000	
Ti	47	2	He	133.835	133.835	1.81	30217	0.44	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1682789	1.16	1618408	103.98	70	120	
In	115	1	nogas	1895429	1.91	1821198	104.08	70	120	
Li	6	1	nogas	915258	0.99	967339	94.62	70	120	
Bi	209	1	nogas	1745368	0.57	1671348	104.43	70	120	

Sample Report

Ge	72	2	He	487236	0.93	465764	104.61	70	120	
In	115	2	He	721296	0.46	697773	103.37	70	120	

Sample Report

Sample Table

Sample Name	HS24061313-01MS
Data File Name	076SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T12:41:11-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	40.345	40.345	0.50	208124	0.02	2000	
B	11	1	nogas	16.370	16.370	1.23	69012	0.02	2000	
Al	27	1	nogas	114.483	114.483	1.32	1520627	0.01	2000	
Ti	47	1	nogas	138.110	138.110	1.99	180737	0.08	2000	
Ni	60	1	nogas	54.890	54.890	0.86	213729	0.03	2000	
Cu	63	1	nogas	44.283	44.283	0.97	413440	0.01	2000	
Zn	66	1	nogas	47.072	47.072	0.94	129645	0.04	2000	
Se	77	1	nogas	62.816	62.816	2.84	11214	0.56	2000	
Se	82	1	nogas	45.616	45.616	2.23	7072	0.65	2000	
Sr	88	1	nogas	218.737	218.737	2.39	4897682	0.00	2000	
Mo	95	1	nogas	44.615	44.615	2.39	218204	0.02	2000	
Ag	107	1	nogas	43.773	43.773	0.22	517561	0.01	2000	
Cd	111	1	nogas	44.291	44.291	0.81	100769	0.04	2000	
Sn	118	1	nogas	93.758	93.758	1.29	664801	0.01	2000	
Sb	121	1	nogas	46.146	46.146	0.77	444127	0.01	2000	
Ba	137	1	nogas	152.588	152.588	0.88	538477	0.03	2000	
Tl	205	1	nogas	43.810	43.810	2.17	983739	0.00	2000	
Pb	208	1	nogas	44.739	44.739	1.30	1380369	0.00	2000	
U	238	1	nogas	0.028	0.028	9.55	1303	0.00	2000	
Na	23	2	He	27845.156	27845.156	0.85	39641164	0.07	200000	
Mg	24	2	He	7629.633	7629.633	1.62	6132972	0.12	200000	
Al	27	2	He	114.388	114.388	3.13	56732	0.20	2000	
K	39	2	He	6536.324	6536.324	0.51	5573898	0.12	200000	
Ca	43	2	He	10596.392	10596.392	2.75	24687	42.92	200000	
Ca	44	2	He	10555.528	10555.528	1.32	414365	2.55	200000	
V	51	2	He	43.077	43.077	0.34	217160	0.02	2000	
Cr	52	2	He	50.468	50.468	0.62	293450	0.02	2000	
Mn	55	2	He	135.921	135.921	1.24	582103	0.02	2000	
Fe	56	2	He	11192.233	11192.233	0.65	58308369	0.02	200000	
Co	59	2	He	44.085	44.085	0.77	327631	0.01	2000	
Ni	60	2	He	54.893	54.893	1.04	101461	0.05	2000	
Cu	63	2	He	44.753	44.753	1.74	210731	0.02	2000	
Zn	66	2	He	46.452	46.452	1.86	48128	0.10	2000	
As	75	2	He	44.385	44.385	1.34	33802	0.13	2000	
Sb	121	2	He	46.102	46.102	0.34	184261	0.03	2000	
Se	78	2	He	43.738	43.738	4.06	3198	1.37	2000	
Ti	47	2	He	135.976	135.976	2.09	29526	0.46	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1636066	1.08	1618408	101.09	70	120	
In	115	1	nogas	1856406	1.42	1821198	101.93	70	120	
Li	6	1	nogas	878210	0.50	967339	90.79	70	120	
Bi	209	1	nogas	1725407	1.13	1671348	103.23	70	120	

Sample Report

Ge	72	2	He	468528	0.43	465764	100.59	70	120	
In	115	2	He	711691	0.87	697773	101.99	70	120	

Sample Report

Sample Table

Sample Name	HS24061313-01MSD
Data File Name	077SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T12:43:15-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	41.197	41.197	1.25	213796	0.02	2000	
B	11	1	nogas	16.203	16.203	2.21	68895	0.02	2000	
Al	27	1	nogas	118.230	118.230	1.02	1572196	0.01	2000	
Ti	47	1	nogas	141.870	141.870	0.77	186023	0.08	2000	
Ni	60	1	nogas	55.992	55.992	1.08	218431	0.03	2000	
Cu	63	1	nogas	45.396	45.396	0.48	424632	0.01	2000	
Zn	66	1	nogas	48.236	48.236	1.57	133033	0.04	2000	
Se	77	1	nogas	68.216	68.216	8.23	11855	0.58	2000	
Se	82	1	nogas	45.181	45.181	0.53	7018	0.64	2000	
Sr	88	1	nogas	225.372	225.372	0.50	5106272	0.00	2000	
Mo	95	1	nogas	45.906	45.906	1.29	227164	0.02	2000	
Ag	107	1	nogas	44.139	44.139	0.68	527953	0.01	2000	
Cd	111	1	nogas	45.151	45.151	1.34	103919	0.04	2000	
Sn	118	1	nogas	95.964	95.964	0.14	688357	0.01	2000	
Sb	121	1	nogas	48.236	48.236	1.53	465081	0.01	2000	
Ba	137	1	nogas	156.680	156.680	0.33	559362	0.03	2000	
Tl	205	1	nogas	45.662	45.662	1.26	1024732	0.00	2000	
Pb	208	1	nogas	46.103	46.103	1.68	1421472	0.00	2000	
U	238	1	nogas	0.030	0.030	6.94	1370	0.00	2000	
Na	23	2	He	28696.701	28696.701	0.74	40797321	0.07	200000	
Mg	24	2	He	7912.902	7912.902	1.18	6352019	0.12	200000	
Al	27	2	He	120.727	120.727	1.66	59721	0.20	2000	
K	39	2	He	6670.433	6670.433	0.96	5679103	0.12	200000	
Ca	43	2	He	11330.669	11330.669	2.06	26360	42.98	200000	
Ca	44	2	He	10837.080	10837.080	0.81	424819	2.55	200000	
V	51	2	He	44.917	44.917	1.73	226049	0.02	2000	
Cr	52	2	He	51.855	51.855	1.04	300878	0.02	2000	
Mn	55	2	He	142.170	142.170	0.47	607995	0.02	2000	
Fe	56	2	He	11523.218	11523.218	0.84	59951526	0.02	200000	
Co	59	2	He	45.376	45.376	0.24	336760	0.01	2000	
Ni	60	2	He	57.268	57.268	0.19	105703	0.05	2000	
Cu	63	2	He	46.010	46.010	1.14	216353	0.02	2000	
Zn	66	2	He	48.581	48.581	2.19	50228	0.10	2000	
As	75	2	He	45.870	45.870	1.58	34881	0.13	2000	
Sb	121	2	He	47.464	47.464	1.83	189417	0.03	2000	
Se	78	2	He	45.940	45.940	1.79	3351	1.37	2000	
Ti	47	2	He	138.333	138.333	1.68	29993	0.46	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1639160	0.48	1618408	101.28	70	120	
In	115	1	nogas	1878037	1.21	1821198	103.12	70	120	
Li	6	1	nogas	883502	0.35	967339	91.33	70	120	
Bi	209	1	nogas	1724101	0.52	1671348	103.16	70	120	

Sample Report

Ge	72	2	He	467885	0.53	465764	100.46	70	120	
In	115	2	He	710864	1.11	697773	101.88	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	079_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T12:47:28-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	100.679	0.348	516320	0.53	100	100.7	90	110	
B	11	1	nogas	452.638	0.980	1448913	1.13	500	90.5	90	110	
Al	27	1	nogas	100.982	1.120	1384174	0.82	100	101.0	90	110	
P	31	1	nogas	4459.594	1.224	403624	0.62	500	891.9	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	104.927	1.142	141292	1.15	100	104.9	90	110	
Ni	60	1	nogas	103.123	0.801	412858	1.79	100	103.1	90	110	
Cu	63	1	nogas	103.611	0.507	993580	1.80	100	103.6	90	110	
Zn	66	1	nogas	104.054	0.617	292000	2.24	100	104.1	90	110	
Se	77	1	nogas	110.940	8.002	17217	4.73	100	110.9	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	106.275	2.475	16686	2.06	100	106.3	90	110	
Sr	88	1	nogas	103.978	1.156	2382655	1.99	100	104.0	90	110	
Mo	95	1	nogas	99.621	2.071	498248	2.88	100	99.6	90	110	
Ag	107	1	nogas	100.238	0.741	1212317	1.33	100	100.2	90	110	
Cd	111	1	nogas	104.771	0.399	243858	1.34	100	104.8	90	110	
Sn	118	1	nogas	105.700	1.081	766492	1.98	100	105.7	90	110	
Sb	121	1	nogas	111.242	0.609	1099487	1.03	100	111.2	90	110	CCV Main CR1-2 Failed
Ba	137	1	nogas	104.262	1.938	376483	2.89	100	104.3	90	110	
Tl	205	1	nogas	107.754	3.140	2455714	2.06	100	107.8	90	110	
Pb	208	1	nogas	104.985	2.987	3286303	1.83	100	105.0	90	110	
U	238	1	nogas	111.136	3.163	4019147	2.21	100	111.1	90	110	CCV Main CR1-2 Failed
Li	7	1	nogas	95.732	0.305	1588237	0.18	100	95.7	90	110	
Ba	135	1	nogas	105.341	1.609	214550	1.99	100	105.3	90	110	
Tl	203	1	nogas	107.895	3.683	1015627	2.53	100	107.9	90	110	
Na	23	2	He	9444.749	1.308	13963564	1.03	10000	94.4	90	110	
Mg	24	2	He	9658.100	2.942	8048417	2.39	10000	96.6	90	110	
Al	27	2	He	100.887	1.842	52052	0.95	100	100.9	90	110	
K	39	2	He	9749.993	2.445	8587057	1.57	10000	97.5	90	110	
Ca	43	2	He	9405.077	3.164	22717	2.53	10000	94.1	90	110	
Ca	44	2	He	9615.523	1.797	391399	0.95	10000	96.2	90	110	
V	51	2	He	101.682	1.100	528531	0.80	100	101.7	90	110	
Cr	52	2	He	102.267	1.107	607723	1.06	100	102.3	90	110	
Mn	55	2	He	101.231	1.139	449549	0.21	100	101.2	90	110	
Fe	56	2	He	9709.793	1.936	52447236	1.63	10000	97.1	90	110	
Co	59	2	He	102.713	0.620	791291	0.36	100	102.7	90	110	
Ni	60	2	He	102.033	1.460	195410	0.61	100	102.0	90	110	
Cu	63	2	He	103.277	0.872	503551	0.66	100	103.3	90	110	
Zn	66	2	He	101.510	2.543	108054	1.56	100	101.5	90	110	
As	75	2	He	103.857	1.054	81799	0.21	100	103.9	90	110	
Sb	121	2	He	109.228	1.749	451752	0.84	100	109.2	90	110	
Se	78	2	He	104.332	1.815	7815	1.34	100	104.3	90	110	
Ti	47	2	He	102.858	0.890	23161	1.61	100	102.9	90	110	
Zr	90	1	nogas	50.604	1.210	808509	1.73	100	50.6	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1683089	1.63	1618408	104.00	70	120	
In	115	1	nogas	1899099	0.96	1821198	104.28	70	120	
Li	6	1	nogas	873267	0.32	967339	90.28	70	120	
Bi	209	1	nogas	1751639	1.16	1671348	104.80	70	120	
Ge	72	2	He	485787	0.95	465764	104.30	70	120	
In	115	2	He	723198	0.12	697773	103.64	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	080_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T12:49:34-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.079	17.0	527	13.3	2.5	
B	11	1	nogas	9.279	20.1	49494	12.4	2.5	CCB Main CR1 Failed
Al	27	1	nogas	0.532	4.7	44585	0.5	5	
P	31	1	nogas	-8.397	-96.3	31543	1.7	2.5	
Ti	47	1	nogas	0.387	54.7	650	42.9	2.5	
Ni	60	1	nogas	0.110	18.8	693	12.3	2.5	
Cu	63	1	nogas	0.105	8.4	2207	3.3	5	
Zn	66	1	nogas	0.070	42.3	2507	3.2	2.5	
Se	77	1	nogas	-2.330	-61.2	3804	3.8	2.5	
Se	82	1	nogas	0.871	25.3	327	9.8	5	
Sr	88	1	nogas	0.107	11.6	3037	9.6	2.5	
Mo	95	1	nogas	0.608	19.8	3307	17.9	2.5	
Ag	107	1	nogas	0.090	13.2	1210	11.6	2.5	
Cd	111	1	nogas	0.065	30.9	157	29.4	2.5	
Sn	118	1	nogas	0.673	11.5	7452	7.4	2.5	
Sb	121	1	nogas	0.461	12.0	5818	9.0	2	
Ba	137	1	nogas	0.127	16.0	567	12.5	2.5	
Tl	205	1	nogas	0.417	43.5	9894	44.1	2.5	
Pb	208	1	nogas	0.128	10.0	5147	9.4	2.5	
U	238	1	nogas	0.120	23.7	4698	23.4	2.5	
Na	23	2	He	14.465	2.5	55436	1.7	100	
Mg	24	2	He	7.392	10.0	6735	9.7	100	
Al	27	2	He	0.283	130.7	1590	10.9	5	
K	39	2	He	9.219	13.1	72760	1.7	100	
Ca	43	2	He	8.259	129.2	37	68.6	100	
Ca	44	2	He	12.346	39.8	1230	16.7	100	
V	51	2	He	0.010	542.9	2180	13.3	2.5	
Cr	52	2	He	-0.202	-29.0	7269	4.0	2.5	
Mn	55	2	He	0.138	23.5	933	15.1	2.5	
Fe	56	2	He	9.629	6.8	62339	6.1	100	
Co	59	2	He	0.065	15.4	600	13.3	2.5	
Ni	60	2	He	0.088	10.9	300	6.7	2.5	
Cu	63	2	He	0.097	5.7	967	2.2	5	
Zn	66	2	He	0.133	79.4	953	12.2	2.5	
As	75	2	He	0.199	20.7	304	10.4	2.5	
Sb	121	2	He	0.297	9.9	1817	6.0	2	
Se	78	2	He	0.615	45.3	111	18.0	5	
Ti	47	2	He	0.149	110.3	50	72.1	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1671541	0.62	1618408	103.28	70	120	

Continuing Calibration Blank (CCB) Report

In	115	1	nogas	1896445	0.34	1821198	104.13	70	120	
Li	6	1	nogas	936008	0.83	967339	96.76	70	120	
Bi	209	1	nogas	1760868	1.74	1671348	105.36	70	120	
Ge	72	2	He	478305	0.77	465764	102.69	70	120	
In	115	2	He	718966	1.87	697773	103.04	70	120	

Sample Report

Sample Table

Sample Name	HS24061247-01MSD
Data File Name	089SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T13:09:33-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	41.008	41.008	2.12	224942	0.02	2000	
B	11	1	nogas	90.847	90.847	3.00	325337	0.03	2000	
Al	27	1	nogas	221.336	221.336	2.13	2994388	0.01	2000	
Ti	47	1	nogas	144.254	144.254	2.19	194536	0.07	2000	
Ni	60	1	nogas	45.709	45.709	1.46	183455	0.02	2000	
Cu	63	1	nogas	46.268	46.268	1.60	445117	0.01	2000	
Zn	66	1	nogas	47.735	47.735	1.31	135435	0.04	2000	
Se	77	1	nogas	52.695	52.695	6.52	10357	0.51	2000	
Se	82	1	nogas	47.076	47.076	4.68	7512	0.63	2000	
Sr	88	1	nogas	104.998	104.998	0.65	2428707	0.00	2000	
Mo	95	1	nogas	44.964	44.964	0.39	227160	0.02	2000	
Ag	107	1	nogas	45.295	45.295	0.49	553081	0.01	2000	
Cd	111	1	nogas	46.209	46.209	1.23	108568	0.04	2000	
Sn	118	1	nogas	97.328	97.328	0.17	712679	0.01	2000	
Sb	121	1	nogas	48.529	48.529	1.32	481234	0.01	2000	
Ba	137	1	nogas	62.598	62.598	0.81	228191	0.03	2000	
Tl	205	1	nogas	45.742	45.742	3.44	1046531	0.00	2000	
Pb	208	1	nogas	46.528	46.528	2.74	1462683	0.00	2000	
U	238	1	nogas	0.008	0.008	27.01	620	0.00	2000	
Na	23	2	He	22756.060	22756.060	0.38	33464784	0.07	200000	
Mg	24	2	He	4846.953	4846.953	1.07	4024139	0.12	200000	
Al	27	2	He	219.946	219.946	1.30	111310	0.20	2000	
K	39	2	He	8348.331	8348.331	1.99	7333824	0.11	200000	
Ca	43	2	He	6080.854	6080.854	1.77	14637	41.54	200000	
Ca	44	2	He	6025.873	6025.873	1.73	244603	2.46	200000	
V	51	2	He	44.935	44.935	0.53	233863	0.02	2000	
Cr	52	2	He	45.768	45.768	1.41	275620	0.02	2000	
Mn	55	2	He	99.832	99.832	1.90	441592	0.02	2000	
Fe	56	2	He	6327.809	6327.809	2.08	34048193	0.02	200000	
Co	59	2	He	46.014	46.014	1.97	353134	0.01	2000	
Ni	60	2	He	46.391	46.391	2.75	88566	0.05	2000	
Cu	63	2	He	46.474	46.474	0.29	226003	0.02	2000	
Zn	66	2	He	47.862	47.862	1.72	51188	0.09	2000	
As	75	2	He	45.556	45.556	1.81	35827	0.13	2000	
Sb	121	2	He	47.245	47.245	1.34	194992	0.02	2000	
Se	78	2	He	46.792	46.792	1.80	3528	1.33	2000	
Ti	47	2	He	140.113	140.113	1.54	31420	0.45	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1685947	0.56	1618408	104.17	70	120	
In	115	1	nogas	1917253	1.87	1821198	105.27	70	120	
Li	6	1	nogas	933848	0.50	967339	96.54	70	120	
Bi	209	1	nogas	1758309	1.55	1671348	105.20	70	120	

Sample Report

Ge	72	2	He	483898	1.08	465764	103.89	70	120	
In	115	2	He	724694	1.04	697773	103.86	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	091_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T13:13:46-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.809	0.857	507066	0.62	100	94.8	90	110	
B	11	1	nogas	450.585	0.451	1504356	1.45	500	90.1	90	110	
Al	27	1	nogas	103.729	0.680	1456667	1.15	100	103.7	90	110	
P	31	1	nogas	1455.885	2.019	157515	2.11	500	291.2	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	98.458	0.757	135938	1.42	100	98.5	90	110	
Ni	60	1	nogas	98.018	1.320	402333	2.30	100	98.0	90	110	
Cu	63	1	nogas	97.939	0.539	962902	1.61	100	97.9	90	110	
Zn	66	1	nogas	98.442	1.868	283319	2.41	100	98.4	90	110	
Se	77	1	nogas	101.164	3.016	16473	1.70	100	101.2	90	110	
Se	82	1	nogas	99.524	3.056	16039	4.31	100	99.5	90	110	
Sr	88	1	nogas	98.969	0.351	2282784	1.22	100	99.0	90	110	
Mo	95	1	nogas	97.083	1.348	488749	2.21	100	97.1	90	110	
Ag	107	1	nogas	93.207	0.786	1134735	1.37	100	93.2	90	110	
Cd	111	1	nogas	99.018	0.319	231987	1.19	100	99.0	90	110	
Sn	118	1	nogas	99.130	0.258	723705	0.94	100	99.1	90	110	
Sb	121	1	nogas	102.222	0.499	1035903	0.87	100	102.2	90	110	
Ba	137	1	nogas	100.222	1.322	364246	1.73	100	100.2	90	110	
Tl	205	1	nogas	101.143	1.880	2345036	2.10	100	101.1	90	110	
Pb	208	1	nogas	99.839	1.999	3179435	2.18	100	99.8	90	110	
U	238	1	nogas	97.641	2.153	3592272	2.29	100	97.6	90	110	
Li	7	1	nogas	94.668	0.597	1638689	0.79	100	94.7	90	110	
Ba	135	1	nogas	101.371	1.296	207842	2.14	100	101.4	90	110	
Tl	203	1	nogas	100.868	2.246	966003	2.41	100	100.9	90	110	
Na	23	2	He	9560.044	1.277	14369849	0.74	10000	95.6	90	110	
Mg	24	2	He	9637.197	1.894	8165252	0.51	10000	96.4	90	110	
Al	27	2	He	103.287	1.243	54159	2.52	100	103.3	90	110	
K	39	2	He	9589.158	2.017	8587873	0.93	10000	95.9	90	110	
Ca	43	2	He	9518.133	3.098	23372	1.39	10000	95.2	90	110	
Ca	44	2	He	9576.124	2.682	396268	1.00	10000	95.8	90	110	
V	51	2	He	97.356	0.765	514630	1.30	100	97.4	90	110	
Cr	52	2	He	97.404	1.438	588898	0.73	100	97.4	90	110	
Mn	55	2	He	97.712	2.488	441128	0.71	100	97.7	90	110	
Fe	56	2	He	9723.785	1.174	53403101	1.08	10000	97.2	90	110	
Co	59	2	He	98.086	1.254	768269	0.73	100	98.1	90	110	
Ni	60	2	He	98.848	0.419	192506	1.45	100	98.8	90	110	
Cu	63	2	He	98.933	0.920	490471	1.02	100	98.9	90	110	
Zn	66	2	He	96.870	1.101	104899	1.77	100	96.9	90	110	
As	75	2	He	98.623	0.551	78990	1.37	100	98.6	90	110	
Sb	121	2	He	100.683	0.762	423476	1.39	100	100.7	90	110	
Se	78	2	He	99.113	4.697	7549	2.93	100	99.1	90	110	
Ti	47	2	He	95.947	2.700	21963	1.47	100	95.9	90	110	
Zr	90	1	nogas	85.808	0.590	1379051	1.04	100	85.8	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1725456	1.35	1618408	106.61	70	120	
In	115	1	nogas	1911660	1.13	1821198	104.97	70	120	
Li	6	1	nogas	910769	1.35	967339	94.15	70	120	
Bi	209	1	nogas	1781543	0.24	1671348	106.59	70	120	
Ge	72	2	He	493956	1.85	465764	106.05	70	120	
In	115	2	He	725136	1.02	697773	103.92	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	092_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T13:15:52-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.054	13.3	408	9.8	2.5	
B	11	1	nogas	13.335	17.5	66161	11.8	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-0.210	-52.2	35769	2.9	5	
P	31	1	nogas	10.251	103.5	34045	1.5	2.5	CCB Main CR1 Failed
Ti	47	1	nogas	0.164	52.8	363	31.9	2.5	
Ni	60	1	nogas	0.221	8.8	1167	8.0	2.5	
Cu	63	1	nogas	0.078	34.3	2010	13.1	5	
Zn	66	1	nogas	0.127	31.3	2740	3.2	2.5	
Se	77	1	nogas	-9.963	-16.3	2994	7.3	2.5	
Se	82	1	nogas	0.332	189.9	250	38.6	5	
Sr	88	1	nogas	0.061	18.2	2027	11.4	2.5	
Mo	95	1	nogas	0.552	22.3	3097	19.5	2.5	
Ag	107	1	nogas	0.066	6.4	940	5.6	2.5	
Cd	111	1	nogas	0.034	19.4	87	18.5	2.5	
Sn	118	1	nogas	0.844	13.0	8890	8.1	2.5	
Sb	121	1	nogas	0.955	13.4	10971	10.8	2	
Ba	137	1	nogas	0.057	45.0	323	28.6	2.5	
Tl	205	1	nogas	0.369	44.0	9007	43.8	2.5	
Pb	208	1	nogas	0.080	16.3	3747	12.2	2.5	
U	238	1	nogas	0.070	19.1	2930	18.0	2.5	
Na	23	2	He	5.869	9.8	44962	2.7	100	
Mg	24	2	He	3.934	5.8	4077	5.3	100	
Al	27	2	He	-0.255	-72.7	1387	6.2	5	
K	39	2	He	5.136	20.2	72482	2.0	100	
Ca	43	2	He	7.490	123.3	37	63.0	100	
Ca	44	2	He	1.513	208.8	833	16.3	100	
V	51	2	He	-0.223	-30.0	1037	35.3	2.5	
Cr	52	2	He	-0.452	-1.1	6105	0.4	2.5	
Mn	55	2	He	0.053	8.7	587	4.3	2.5	
Fe	56	2	He	6.019	15.0	45145	11.1	100	
Co	59	2	He	0.034	26.5	383	19.6	2.5	
Ni	60	2	He	0.191	12.6	517	9.5	2.5	
Cu	63	2	He	0.044	28.1	743	8.6	5	
Zn	66	2	He	0.117	19.7	980	1.8	2.5	
As	75	2	He	0.115	37.5	251	13.9	2.5	
Sb	121	2	He	0.662	4.6	3457	4.5	2	
Se	78	2	He	0.399	42.3	100	12.2	5	
Ti	47	2	He	0.109	81.5	43	48.0	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1720298	1.21	1618408	106.30	70	120	

Continuing Calibration Blank (CCB) Report

In	115	1	nogas	1942786	1.56	1821198	106.68	70	120	
Li	6	1	nogas	979454	0.70	967339	101.25	70	120	
Bi	209	1	nogas	1805574	1.33	1671348	108.03	70	120	
Ge	72	2	He	500639	0.82	465764	107.49	70	120	
In	115	2	He	741245	0.34	697773	106.23	70	120	

Sample Report

Sample Table

Sample Name	LCS-214353
Data File Name	102SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T13:36:47-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 214363
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	45.615	45.615	1.01	231098	0.02	2000	
B	11	1	nogas	426.469	426.469	2.61	1349338	0.03	2000	
Al	27	1	nogas	105.074	105.074	0.55	1338155	0.01	2000	
Ti	47	1	nogas	126.340	126.340	1.98	158220	0.08	2000	
Ni	60	1	nogas	49.573	49.573	0.57	184697	0.03	2000	
Cu	63	1	nogas	49.063	49.063	0.86	438166	0.01	2000	
Zn	66	1	nogas	51.751	51.751	0.82	136144	0.04	2000	
Se	77	1	nogas	104.044	104.044	5.59	15258	0.68	2000	
Se	82	1	nogas	49.262	49.262	3.98	7292	0.68	2000	
Sr	88	1	nogas	76.479	76.479	0.54	1630620	0.00	2000	
Mo	95	1	nogas	47.572	47.572	0.83	221475	0.02	2000	
Ag	107	1	nogas	49.500	49.500	0.46	557066	0.01	2000	
Cd	111	1	nogas	49.563	49.563	0.98	107335	0.05	2000	
Sn	118	1	nogas	75.562	75.562	1.19	510488	0.01	2000	
Sb	121	1	nogas	51.222	51.222	0.61	471535	0.01	2000	
Ba	137	1	nogas	49.563	49.563	1.08	166552	0.03	2000	
Tl	205	1	nogas	48.537	48.537	5.03	1046226	0.00	2000	
Pb	208	1	nogas	49.296	49.296	3.35	1460242	0.00	2000	
U	238	1	nogas	194.248	194.248	2.88	6645208	0.00	2000	
Na	23	2	He	4986.718	4986.718	1.07	6843331	0.07	200000	
Mg	24	2	He	4801.176	4801.176	1.51	3705907	0.13	200000	
Al	27	2	He	103.953	103.953	0.65	49640	0.21	2000	
K	39	2	He	4705.728	4705.728	1.74	3870024	0.12	200000	
Ca	43	2	He	4953.182	4953.182	6.23	11084	44.69	200000	
Ca	44	2	He	4998.916	4998.916	0.63	188804	2.65	200000	
V	51	2	He	47.787	47.787	1.27	231113	0.02	2000	
Cr	52	2	He	48.078	48.078	1.28	268796	0.02	2000	
Mn	55	2	He	49.055	49.055	1.00	201920	0.02	2000	
Fe	56	2	He	5047.324	5047.324	1.92	25253753	0.02	200000	
Co	59	2	He	48.575	48.575	1.61	346613	0.01	2000	
Ni	60	2	He	49.823	49.823	2.29	88429	0.06	2000	
Cu	63	2	He	49.261	49.261	1.91	222670	0.02	2000	
Zn	66	2	He	51.726	51.726	1.47	51385	0.10	2000	
As	75	2	He	49.582	49.582	0.79	36245	0.14	2000	
Sb	121	2	He	50.323	50.323	1.87	193062	0.03	2000	
Se	78	2	He	49.940	49.940	3.80	3497	1.43	2000	
Ti	47	2	He	123.202	123.202	2.68	25685	0.48	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1565263	0.98	1618408	96.72	70	120	
In	115	1	nogas	1766903	0.96	1821198	97.02	70	120	
Li	6	1	nogas	862548	0.49	967339	89.17	70	120	
Bi	209	1	nogas	1657514	2.62	1671348	99.17	70	120	

Sample Report

Ge	72	2	He	449922	1.28	465764	96.60	70	120	
In	115	2	He	659952	1.25	697773	94.58	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	103_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T13:38:53-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.510	0.850	463543	1.12	100	94.5	90	110	
B	11	1	nogas	450.380	1.883	1378858	2.03	500	90.1	90	110	
Al	27	1	nogas	105.082	0.145	1313251	1.22	100	105.1	90	110	
P	31	1	nogas	1419.319	0.582	137441	0.94	500	283.9	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	100.142	0.339	123079	0.77	100	100.1	90	110	
Ni	60	1	nogas	99.354	1.154	363041	2.15	100	99.4	90	110	
Cu	63	1	nogas	99.014	0.789	866606	1.76	100	99.0	90	110	
Zn	66	1	nogas	99.904	1.283	255913	1.30	100	99.9	90	110	
Se	77	1	nogas	127.455	3.163	17500	1.39	100	127.5	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	101.948	3.250	14621	4.23	100	101.9	90	110	
Sr	88	1	nogas	99.003	0.572	2078404	1.39	100	99.0	90	110	
Mo	95	1	nogas	96.094	1.235	440268	1.33	100	96.1	90	110	
Ag	107	1	nogas	92.946	0.691	1029936	1.75	100	92.9	90	110	
Cd	111	1	nogas	99.428	2.016	212051	3.14	100	99.4	90	110	
Sn	118	1	nogas	99.937	1.137	663982	0.36	100	99.9	90	110	
Sb	121	1	nogas	105.563	0.589	952282	0.92	100	105.6	90	110	
Ba	137	1	nogas	100.567	1.830	332652	1.89	100	100.6	90	110	
Tl	205	1	nogas	103.302	1.595	2152449	1.91	100	103.3	90	110	
Pb	208	1	nogas	102.129	2.011	2922789	2.10	100	102.1	90	110	
U	238	1	nogas	100.249	1.741	3314590	1.98	100	100.2	90	110	
Li	7	1	nogas	94.817	0.288	1504978	0.30	100	94.8	90	110	
Ba	135	1	nogas	100.563	0.145	187649	1.01	100	100.6	90	110	
Tl	203	1	nogas	102.303	2.407	880489	2.62	100	102.3	90	110	
Na	23	2	He	9704.176	1.479	12983724	1.14	10000	97.0	90	110	
Mg	24	2	He	9887.571	0.547	7458188	1.21	10000	98.9	90	110	
Al	27	2	He	105.018	0.175	48988	0.77	100	105.0	90	110	
K	39	2	He	9992.777	0.727	7964658	0.94	10000	99.9	90	110	
Ca	43	2	He	9685.749	2.117	21175	1.89	10000	96.9	90	110	
Ca	44	2	He	9676.986	0.990	356527	1.31	10000	96.8	90	110	
V	51	2	He	98.602	1.037	463920	1.08	100	98.6	90	110	
Cr	52	2	He	97.658	0.541	525577	0.70	100	97.7	90	110	
Mn	55	2	He	99.115	0.480	398384	0.75	100	99.1	90	110	
Fe	56	2	He	9915.423	1.548	48471443	1.04	10000	99.2	90	110	
Co	59	2	He	98.152	1.595	684331	1.17	100	98.2	90	110	
Ni	60	2	He	99.468	0.912	172419	0.77	100	99.5	90	110	
Cu	63	2	He	99.310	0.826	438245	0.62	100	99.3	90	110	
Zn	66	2	He	100.042	0.390	96403	0.60	100	100.0	90	110	
As	75	2	He	99.097	0.712	70647	0.70	100	99.1	90	110	
Sb	121	2	He	103.999	0.558	389334	0.49	100	104.0	90	110	
Se	78	2	He	99.348	2.823	6738	2.41	100	99.3	90	110	
Ti	47	2	He	99.078	1.061	20190	0.56	100	99.1	90	110	
Zr	90	1	nogas	85.163	1.316	1245821	2.21	100	85.2	90	110	CCV Main CR1-2 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1536009	1.10	1618408	94.91	70	120	
In	115	1	nogas	1739908	1.14	1821198	95.54	70	120	
Li	6	1	nogas	835152	0.33	967339	86.33	70	120	
Bi	209	1	nogas	1601055	0.50	1671348	95.79	70	120	
Ge	72	2	He	439649	0.66	465764	94.39	70	120	
In	115	2	He	653092	1.74	697773	93.60	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	104_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq Date Time	2024-07-05T13:40:59-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.040	21.7	303	15.3	2.5	
B	11	1	nogas	17.025	15.5	72906	10.8	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-0.217	-6.3	32141	0.7	5	
P	31	1	nogas	0.226	4078.2	29906	2.7	2.5	
Ti	47	1	nogas	0.128	58.9	283	32.8	2.5	
Ni	60	1	nogas	0.205	9.7	990	7.1	2.5	
Cu	63	1	nogas	0.052	40.2	1580	11.7	5	
Zn	66	1	nogas	0.091	77.2	2377	7.4	2.5	
Se	77	1	nogas	0.608	298.1	3847	5.4	2.5	
Se	82	1	nogas	0.523	75.1	253	22.4	5	
Sr	88	1	nogas	0.126	14.5	3204	11.4	2.5	
Mo	95	1	nogas	0.589	13.3	2970	11.4	2.5	
Ag	107	1	nogas	0.068	5.4	877	4.0	2.5	
Cd	111	1	nogas	0.051	30.0	116	28.1	2.5	
Sn	118	1	nogas	0.832	16.0	7949	10.8	2.5	
Sb	121	1	nogas	0.945	15.0	9797	12.8	2	
Ba	137	1	nogas	0.064	25.6	317	18.0	2.5	
Tl	205	1	nogas	0.413	51.0	9077	51.6	2.5	
Pb	208	1	nogas	0.080	18.5	3370	14.6	2.5	
U	238	1	nogas	0.095	19.5	3501	19.8	2.5	
Na	23	2	He	15.715	5.5	53038	2.8	100	
Mg	24	2	He	6.178	2.2	5314	2.9	100	
Al	27	2	He	-0.192	-43.2	1257	3.8	5	
K	39	2	He	8.240	3.7	66622	1.2	100	
Ca	43	2	He	15.413	87.7	50	60.0	100	
Ca	44	2	He	6.011	32.2	903	6.8	100	
V	51	2	He	-0.080	-55.6	1592	14.3	2.5	
Cr	52	2	He	-0.336	-24.7	6018	6.4	2.5	
Mn	55	2	He	0.089	21.1	667	12.6	2.5	
Fe	56	2	He	5.921	3.5	39485	4.0	100	
Co	59	2	He	0.035	6.9	343	4.4	2.5	
Ni	60	2	He	0.216	9.8	500	6.0	2.5	
Cu	63	2	He	0.067	19.8	760	8.6	5	
Zn	66	2	He	0.171	20.5	920	4.3	2.5	
As	75	2	He	0.181	21.5	269	9.0	2.5	
Sb	121	2	He	0.628	6.3	2930	6.3	2	
Se	78	2	He	0.508	67.6	96	24.6	5	
Ti	47	2	He	0.149	74.2	47	49.5	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	1549607	0.32	1618408	95.75	70	120	

Continuing Calibration Blank (CCB) Report

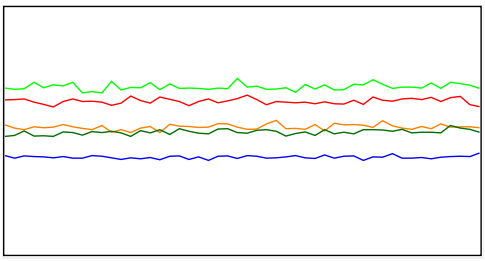
In	115	1	nogas	1754177	0.76	1821198	96.32	70	120	
Li	6	1	nogas	901251	0.99	967339	93.17	70	120	
Bi	209	1	nogas	1628692	1.99	1671348	97.45	70	120	
Ge	72	2	He	443105	1.41	465764	95.14	70	120	
In	115	2	He	665227	0.54	697773	95.34	70	120	

Tune Check Report

Operator Name	ALSHS NoUser
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\070524A.b
Acq. Date-Time	7/5/2024 9:06:00 AM
Report Comment	---
Instrument Name	G3281A JP11080910

[nogas]

Sensitivity



Sampling Period [sec]	0.514
Integration Time [sec]	0.1

Mass	Range	Count	Resp [cps/ug/l]	Resp (Required) [cps/ug/l]	Resp (Flag)
9	10000	6208	62075.67		
24	20000	13577	135773.93		
59	50000	19676	196760.04		
115	20000	10321	103211.30		
208	20000	9903	99030.80		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	
115		-	
208		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	1.819	5.000	
24	1.934	5.000	
59	1.584	5.000	
115	2.074	5.000	
208	2.043	5.000	

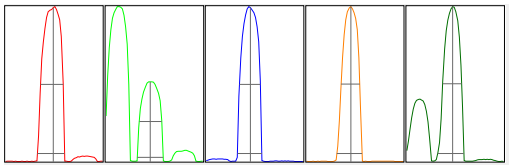
Mass	Background	Background (Required)	Background (Flag)
9	0.400		
24	0.500		
59	0.800		
115	2.300		
208	6.000		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 0.853 %
Doubly Charged	70 / 140 1.049 %

Tune Check Report

Resolution/Axis



Integration Time [sec]	0.1
Acquisition Time [sec]	37.4
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	6153.81	9.00	8.90 - 9.10	
24	13461.37	23.90	23.90 - 24.10	
59	20087.08	58.90	58.90 - 59.10	
115	10678.07	114.90	114.90 - 115.10	
208	10305.98	207.95	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.69	0.831		
24	0.69	0.790		
59	0.64	0.743		
115	0.57	0.770		
208	0.58	0.799		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.48 L/min	Dilution Gas	0.55 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	---
RF Matching	1.70 V	Nebulizer Pump	0.10 rps	Plasma Gas	---
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.1 V	Deflect	14.0 V
Extract 2	-190.0 V	Cell Entrance	-30 V	Plate Bias	-45 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9992	QP Bias	-3.0 V
Mass Offset	126	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.5 mm

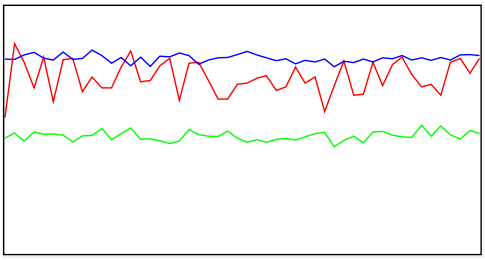
EM

Discriminator	4.5 mV	Analog HV	1644 V	Pulse HV	1681 V

[He]

Tune Check Report

Sensitivity



Sampling Period [sec]	0.306
Integration Time [sec]	0.1

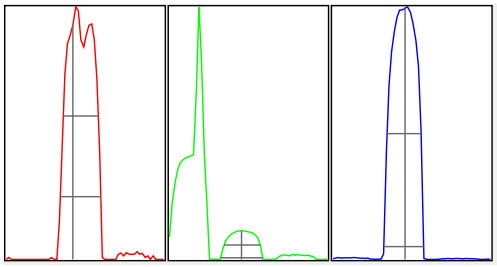
Mass	Range	Count	Resp [cps/ug/l]	Resp (Required) [cps/ug/l]	Resp (Flag)
9	200	142	1424.87		
24	2000	949	9488.70		
59	10000	7901	79014.98		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	9.391	5.000	Fail
24	3.998	5.000	
59	1.913	5.000	

Mass	Background	Background (Required)	Background (Flag)
9			
24			
59			

Resolution/Axis



Integration Time [sec]	0.1
Acquisition Time [sec]	22.24
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	141.76	8.80	8.90 - 9.10	Fail
24	941.57	23.90	23.90 - 24.10	
59	8136.38	58.90	58.90 - 59.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.66	0.755		
24	0.68	0.789		
59	0.64	0.742		

Tune Parameters

Plasma Parameters

Tune Check Report

Plasma Mode	---	Nebulizer Gas	0.48 L/min	Dilution Gas	0.55 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	---
RF Matching	1.70 V	Nebulizer Pump	0.10 rps	Plasma Gas	---
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.0 V	Deflect	0.4 V
Extract 2	-190.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-100 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.8 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9992	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.5 mm		

EM

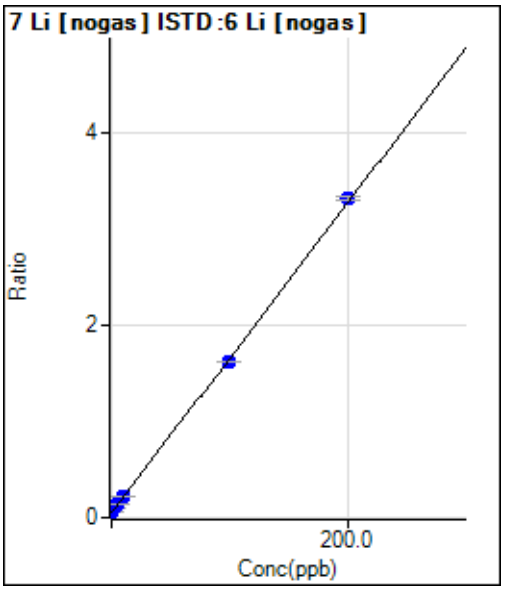
Discriminator	4.5 mV	Analog HV	1644 V	Pulse HV	1681 V

Calibration for 238_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070924A.b\
Analysis File: 070924A.batch.bin
DA Date-Time: 7/9/2024 11:13:23 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	231CALB.d	CAL BLK	7/9/2024 6:37:03 PM
2	232CALS.d	2/10/200	7/9/2024 6:39:13 PM
3	233CALS.d	5/25/500	7/9/2024 6:41:23 PM
4	234CALS.d	10/50/1000	7/9/2024 6:43:33 PM
5	235CALS.d	100/500/10K	7/9/2024 6:45:43 PM
6	236CALS.d	200/1000/20K	7/9/2024 6:47:53 PM
7			

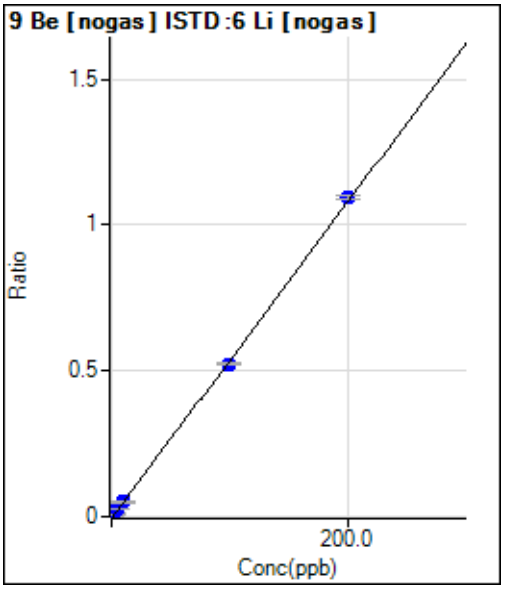
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36146.84	0.0674	P	1.4	
2	☐	2.000	1.866	51661.76	0.0975	P	0.9	-6.7
3	☐	5.000	4.765	75375.86	0.1443	P	2.2	-4.7
4	☐	10.000	9.431	114187.15	0.2195	P	0.5	-5.7
5	☐	100.000	96.446	793646.21	1.6230	P	0.4	-3.6
6	☐	200.000	201.813	1514517.89	3.3223	P	0.7	0.9
7	☐	1.000						

y = 0.0161 * x + 0.0674
R = 0.9998
DL = 0.1778 ppb
BEC = 4.182 ppb

Weight: <None>
Min Conc: <None>

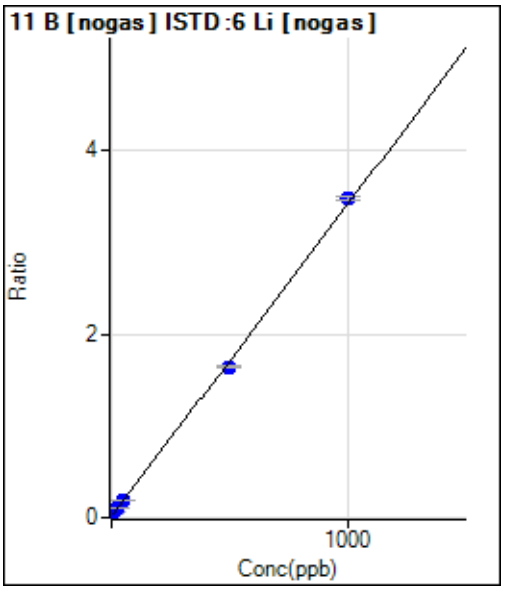


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	31.67	0.0001	P	33.3	
2	☐	2.000	1.761	5089.22	0.0096	P	7.9	-11.9
3	☐	5.000	4.695	13337.45	0.0255	P	1.8	-6.1
4	☐	10.000	9.128	25789.74	0.0496	P	0.5	-8.7
5	☐	100.000	96.363	255694.85	0.5229	P	1.2	-3.6
6	☐	200.000	201.872	499323.77	1.0954	P	1.3	0.9
7	☐	1.000						

y = 0.0054 * x + 5.9138E-005
R = 0.9998
DL = 0.01087 ppb
BEC = 0.0109 ppb

Weight: <None>
Min Conc: <None>

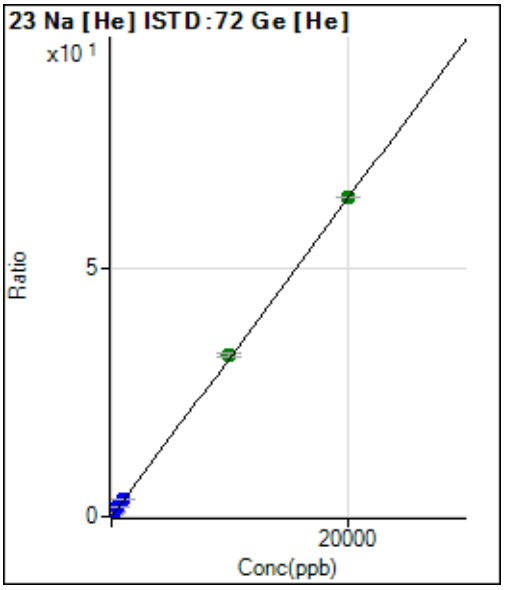
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	17788.56	0.0332	P	3.2	
2	☐	10.000	8.424	32732.84	0.0618	P	1.7	-15.8
3	☐	25.000	21.852	56130.83	0.1074	P	0.6	-12.6
4	☐	50.000	43.948	94929.20	0.1825	P	1.0	-12.1
5	☐	500.000	473.715	803341.73	1.6428	P	1.2	-5.3
6	☐	1000.000	1013.539	1584998.93	3.4771	P	1.7	1.4
7	☐	5.000						

y = 0.0034 * x + 0.0332
R = 0.9995
DL = 0.93 ppb
BEC = 9.768 ppb

Weight: <None>
Min Conc: <None>

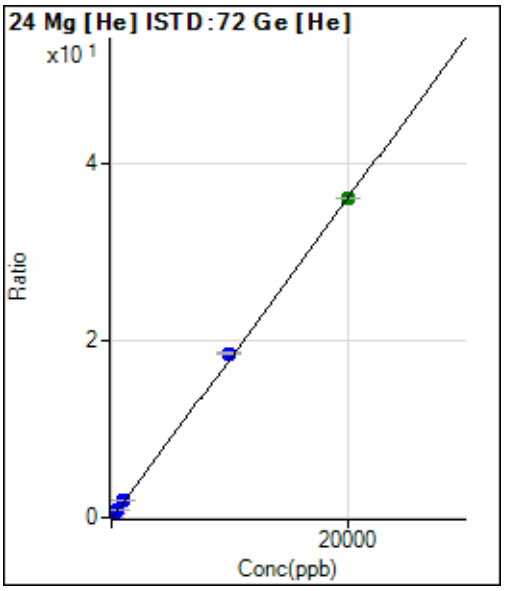


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80238.17	0.3378	P	1.0	
2	☐	200.000	196.389	229236.93	0.9688	P	1.5	-1.8
3	☐	500.000	508.990	458668.91	1.9731	P	1.6	1.8
4	☐	1000.000	1012.152	833494.34	3.5896	P	0.7	1.2
5	☐	10000.00	10045.04	7512453.01	32.6094	A	1.4	0.5
6	☐	20000.00	19976.67	14466932.28	64.5167	A	0.2	-0.1
7	☐	100.000						

y = 0.0032 * x + 0.3378
R = 1.0000
DL = 3.067 ppb
BEC = 105.2 ppb

Weight: <None>
Min Conc: <None>

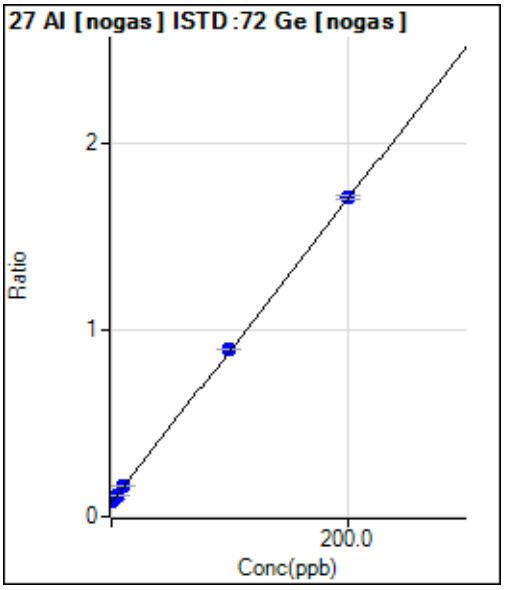
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3010.36	0.0127	P	4.5	
2	☐	200.000	201.170	89317.75	0.3774	P	1.0	0.6
3	☐	500.000	522.706	223283.76	0.9605	P	1.3	4.5
4	☐	1000.000	1030.545	436833.29	1.8813	P	0.9	3.1
5	☐	10000.00	10221.18	4272623.48	18.5465	P	0.8	2.2
6	☐	20000.00	19887.30	8088994.67	36.0738	A	0.2	-0.6
7	☐	100.000						

y = 0.0018 * x + 0.0127
R = 0.9999
DL = 0.9449 ppb
BEC = 6.989 ppb

Weight: <None>
Min Conc: <None>

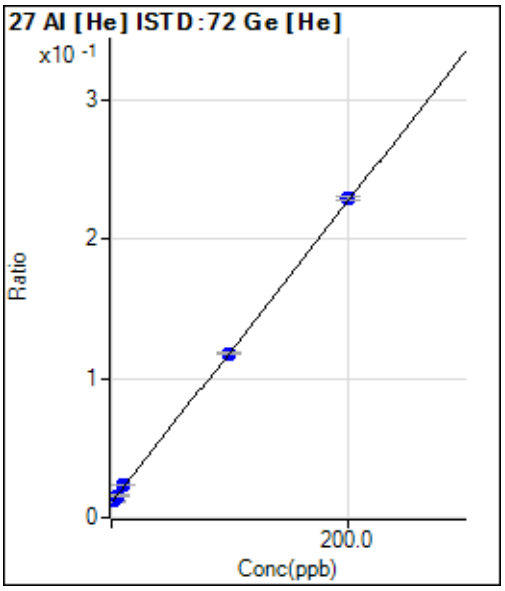


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	67973.44	0.0866	P	0.9	
2	☐	2.000	0.490	70276.82	0.0906	P	1.4	-75.5
3	☐	5.000	3.095	86767.44	0.1117	P	2.6	-38.1
4	☐	10.000	9.715	127666.16	0.1654	P	1.2	-2.9
5	☐	100.000	99.822	682262.05	0.8963	P	0.5	-0.2
6	☐	200.000	200.166	1279566.23	1.7102	P	1.4	0.1
7	☐	1.000						

y = 0.0081 * x + 0.0866
R = 1.0000
DL = 0.2753 ppb
BEC = 10.68 ppb

Weight: <None>
Min Conc: <None>

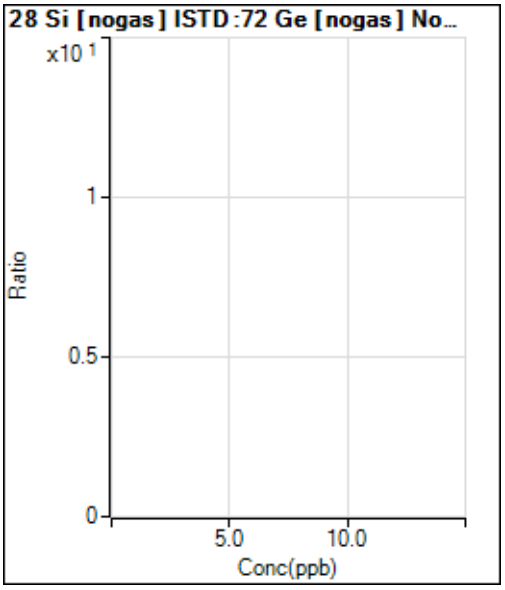
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2840.31	0.0120	P	5.2	
2	☐	2.000	0.088	2853.65	0.0121	P	7.8	-95.6
3	☐	5.000	3.206	3587.15	0.0154	P	7.7	-35.9
4	☐	10.000	10.415	5391.05	0.0232	P	3.4	4.1
5	☐	100.000	97.911	27137.70	0.1178	P	1.4	-2.1
6	☐	200.000	201.088	51429.60	0.2293	P	1.4	0.5
7	☐	1.000						

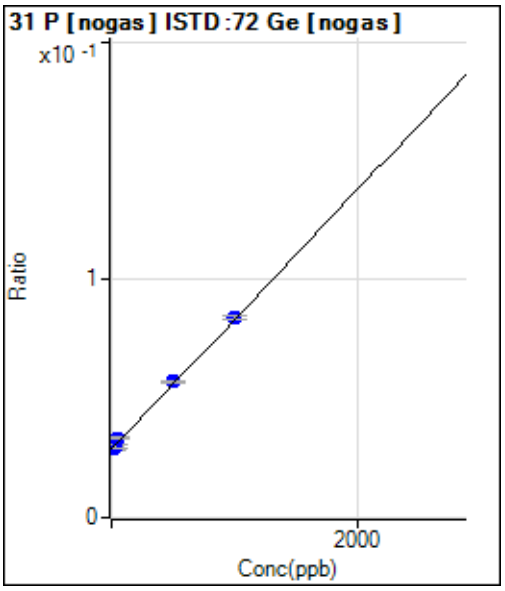
y = 0.0011 * x + 0.0120
R = 0.9999
DL = 1.737 ppb
BEC = 11.06 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

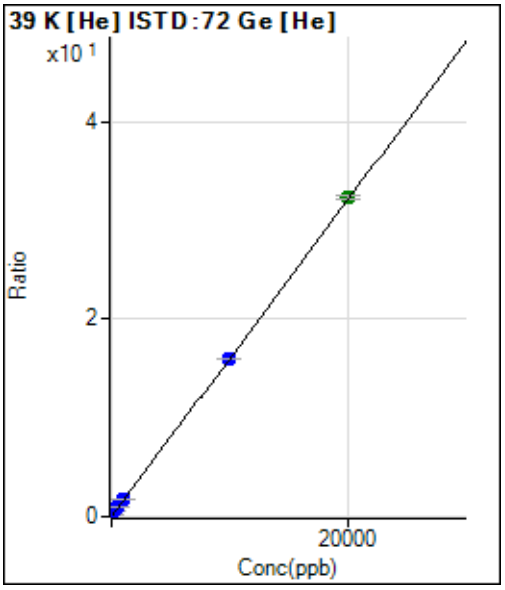
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23137.75	0.0295	P	2.7	
2	☐	10.000	-12.777	22326.58	0.0288	P	3.4	-227.
3	☐	25.000	10.383	23338.10	0.0300	P	3.5	-58.5
4	☐	50.000	74.440	25898.91	0.0335	P	2.5	48.9
5	☐	500.000	504.760	43455.21	0.0571	P	0.6	1.0
6	☐	1000.000	996.991	62859.13	0.0840	P	1.4	-0.3
7	☐	5.000						

y = 5.4698E-005 * x + 0.0295
R = 0.9992
DL = 43.74 ppb
BEC = 538.9 ppb

Weight: <None>
Min Conc: <None>

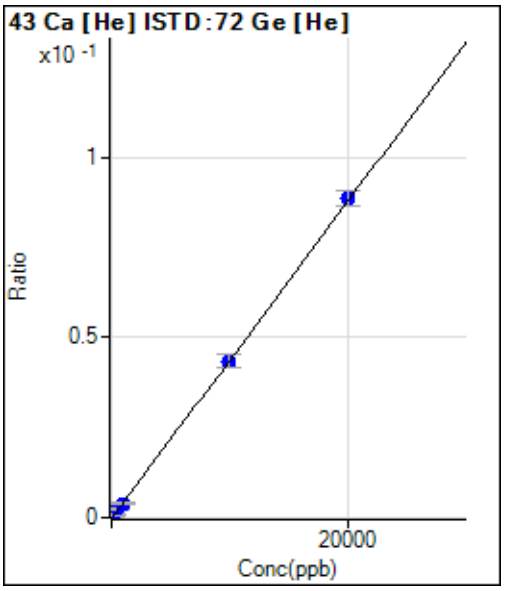


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	45514.78	0.1916	P	1.0	
2	☐	200.000	195.441	119494.72	0.5050	P	3.1	-2.3
3	☐	500.000	495.039	229120.66	0.9855	P	0.1	-1.0
4	☐	1000.000	984.772	411171.36	1.7708	P	1.4	-1.5
5	☐	10000.00	9878.016	3693419.32	16.0323	P	0.4	-1.2
6	☐	20000.00	20061.92	7256686.98	32.3635	A	0.8	0.3
7	☐	100.000						

y = 0.0016 * x + 0.1916
R = 1.0000
DL = 3.645 ppb
BEC = 119.5 ppb

Weight: <None>
Min Conc: <None>

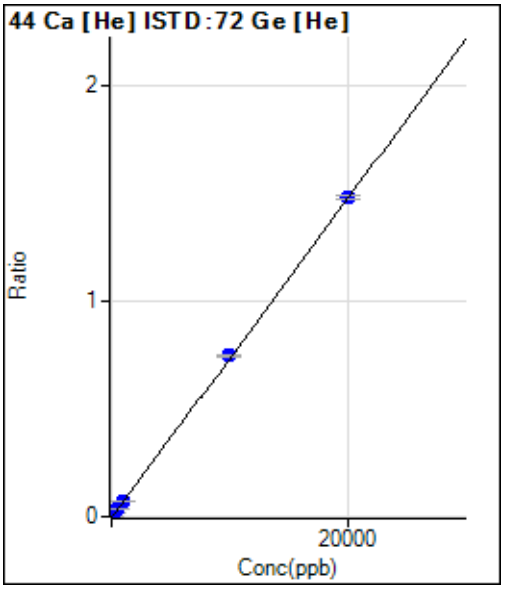
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	43.33	0.0002	P	35.6	
2	☐	200.000	162.713	213.34	0.0009	P	30.1	-18.6
3	☐	500.000	505.717	560.02	0.0024	P	21.2	1.1
4	☐	1000.000	861.649	923.38	0.0040	P	22.1	-13.8
5	☐	10000.00	9826.170	10013.51	0.0435	P	8.5	-1.7
6	☐	20000.00	20094.06	19879.98	0.0887	P	5.2	0.5
7	☐	100.000						

y = 4.4045E-006 * x + 1.8254E-004
R = 0.9999
DL = 44.29 ppb
BEC = 41.44 ppb

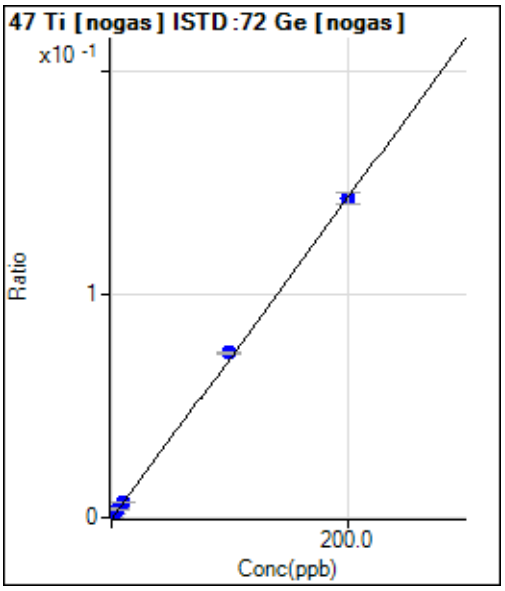
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	526.68	0.0022	P	13.4	
2	☐	200.000	197.206	3977.29	0.0168	P	3.6	-1.4
3	☐	500.000	489.483	8932.81	0.0384	P	1.2	-2.1
4	☐	1000.000	978.122	17313.45	0.0746	P	0.9	-2.2
5	☐	10000.00	10050.42	171760.67	0.7456	P	1.3	0.5
6	☐	20000.00	19976.17	331798.13	1.4797	P	0.8	-0.1
7	☐	100.000						

y = 7.3962E-005 * x + 0.0022
R = 1.0000
DL = 12.1 ppb
BEC = 30 ppb

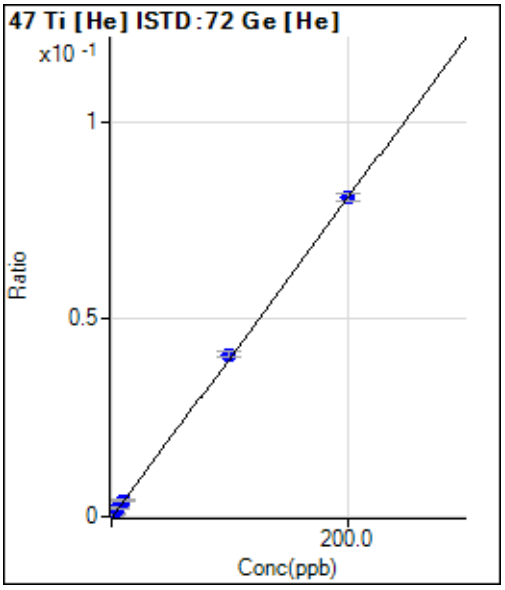
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	83.33	0.0001	P	17.8	
2	☐	2.000	1.864	1123.40	0.0014	P	18.2	-6.8
3	☐	5.000	5.134	2953.68	0.0038	P	4.6	2.7
4	☐	10.000	9.842	5551.12	0.0072	P	3.2	-1.6
5	☐	100.000	102.711	56371.78	0.0740	P	1.4	2.7
6	☐	200.000	198.650	107079.90	0.1431	P	3.1	-0.7
7	☐	1.000						

y = 7.1991E-004 * x + 1.0608E-004
R = 0.9999
DL = 0.07863 ppb
BEC = 0.1474 ppb

Weight: <None>
Min Conc: <None>

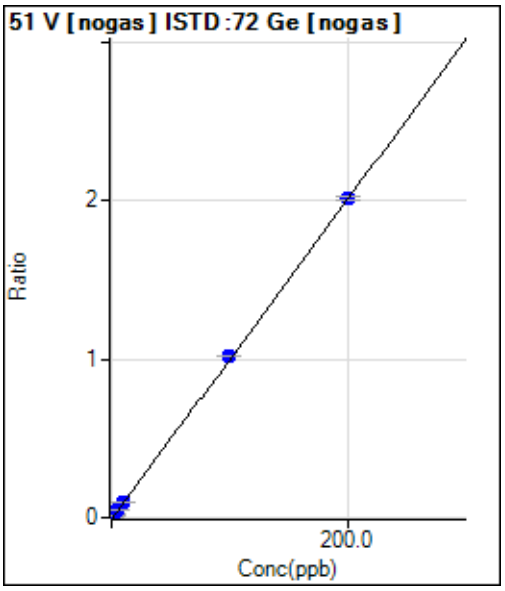


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.33	0.0001	P	42.3	
2	☐	2.000	1.666	173.34	0.0007	P	37.2	-16.7
3	☐	5.000	5.137	496.69	0.0021	P	12.4	2.7
4	☐	10.000	9.709	926.71	0.0040	P	7.7	-2.9
5	☐	100.000	101.259	9469.78	0.0411	P	4.4	1.3
6	☐	200.000	199.385	18134.41	0.0809	P	1.9	-0.3
7	☐	1.000						

y = 4.0538E-004 * x + 5.5997E-005
R = 1.0000
DL = 0.1754 ppb
BEC = 0.1381 ppb

Weight: <None>
Min Conc: <None>

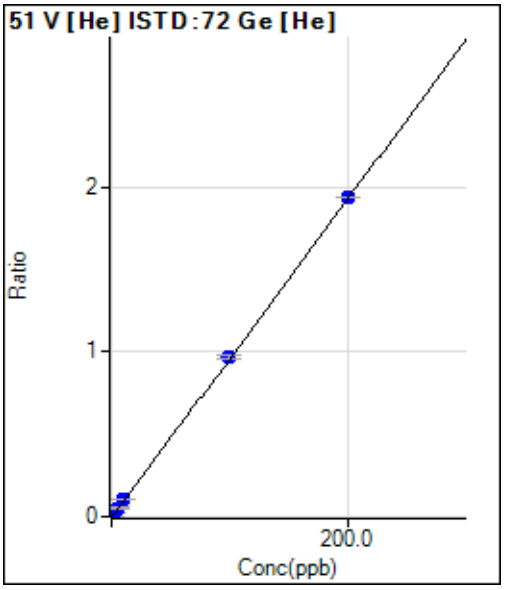
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.55	0.0001	P	4346.	
2	☐	2.000	1.756	13800.62	0.0178	P	12.9	-12.2
3	☐	5.000	4.484	35224.73	0.0453	P	3.5	-10.3
4	☐	10.000	9.356	72990.54	0.0946	P	2.3	-6.4
5	☐	100.000	101.005	776660.56	1.0202	P	0.3	1.0
6	☐	200.000	199.545	1508010.32	2.0155	P	1.5	-0.2
7	☐	1.000						

y = 0.0101 * x + 5.8982E-005
R = 1.0000
DL = 0.7614 ppb
BEC = 0.00584 ppb

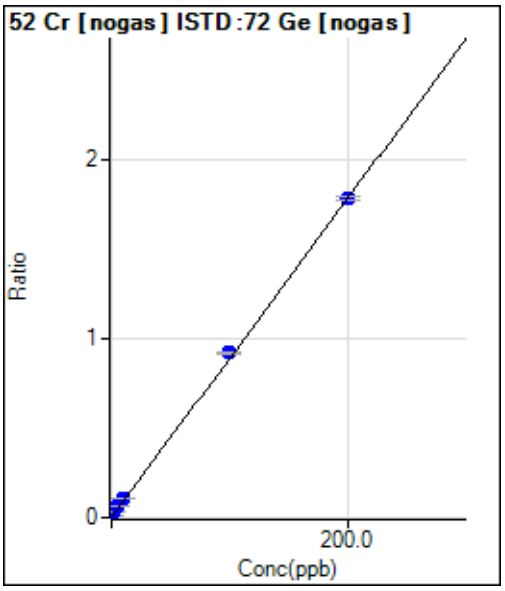
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	491.21	0.0021	P	65.5	
2	☐	2.000	2.106	5320.53	0.0225	P	10.3	5.3
3	☐	5.000	5.086	11941.18	0.0513	P	5.1	1.7
4	☐	10.000	10.209	23447.48	0.1010	P	0.7	2.1
5	☐	100.000	99.794	223219.32	0.9689	P	2.3	-0.2
6	☐	200.000	200.089	435158.44	1.9406	P	0.3	0.0
7	☐	1.000						

y = 0.0097 * x + 0.0021
R = 1.0000
DL = 0.4206 ppb
BEC = 0.2141 ppb

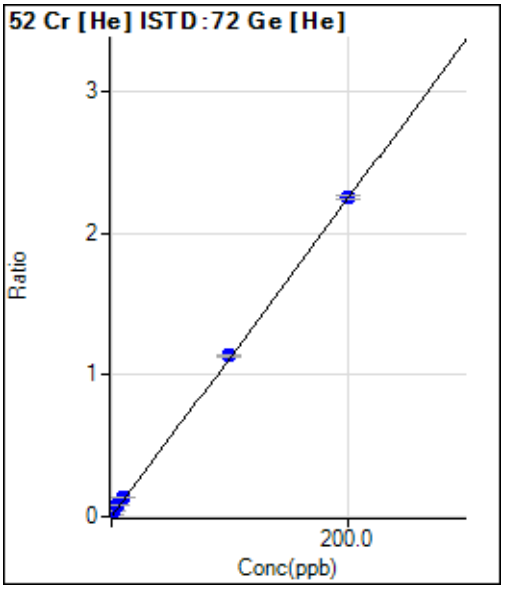
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8072.29	0.0103	P	7.7	
2	☐	2.000	2.458	25037.75	0.0323	P	0.4	22.9
3	☐	5.000	5.664	47330.94	0.0609	P	1.4	13.3
4	☐	10.000	10.600	81110.78	0.1051	P	2.3	6.0
5	☐	100.000	101.935	701729.49	0.9218	P	0.8	1.9
6	☐	200.000	198.981	1338968.21	1.7896	P	1.4	-0.5
7	☐	1.000						

y = 0.0089 * x + 0.0103
R = 0.9999
DL = 0.2662 ppb
BEC = 1.15 ppb

Weight: <None>
Min Conc: <None>

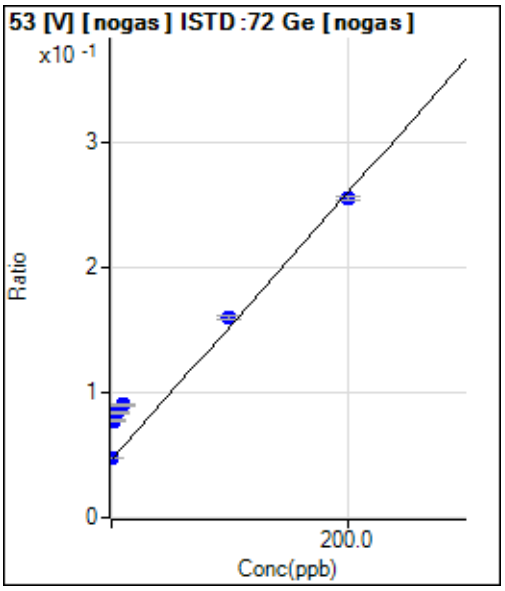


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2900.32	0.0122	P	7.7	
2	☐	2.000	2.631	9866.71	0.0417	P	5.1	31.5
3	☐	5.000	5.641	17543.76	0.0755	P	1.8	12.8
4	☐	10.000	10.514	30203.84	0.1301	P	1.7	5.1
5	☐	100.000	100.150	261465.06	1.1349	P	1.6	0.1
6	☐	200.000	199.877	505189.73	2.2529	P	1.1	-0.1
7	☐	1.000						

y = 0.0112 * x + 0.0122
R = 1.0000
DL = 0.2533 ppb
BEC = 1.09 ppb

Weight: <None>
Min Conc: <None>

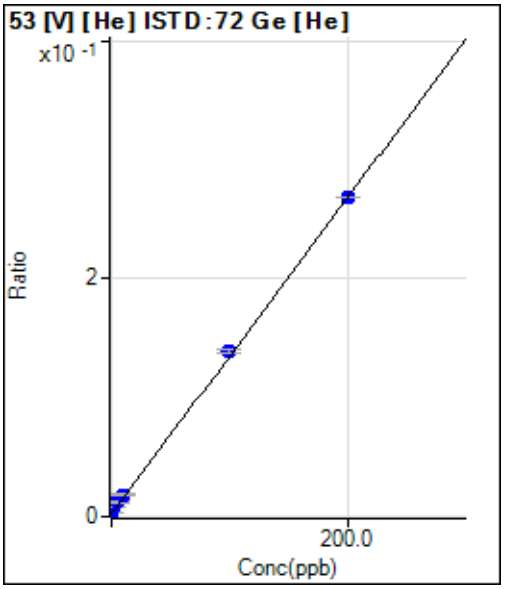
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	37590.35	0.0479	P	1.6	
2	☐	2.000	28.011	60387.31	0.0778	P	2.0	1300.
3	☐	5.000	34.089	65495.00	0.0843	P	1.2	581.8
4	☐	10.000	40.011	69975.30	0.0906	P	2.4	300.1
5	☐	100.000	105.608	122361.99	0.1608	P	1.8	5.6
6	☐	200.000	194.708	191537.11	0.2560	P	1.0	-2.6
7	☐	1.000						

y = 0.0011 * x + 0.0479
R = 0.9871
DL = 2.121 ppb
BEC = 44.79 ppb

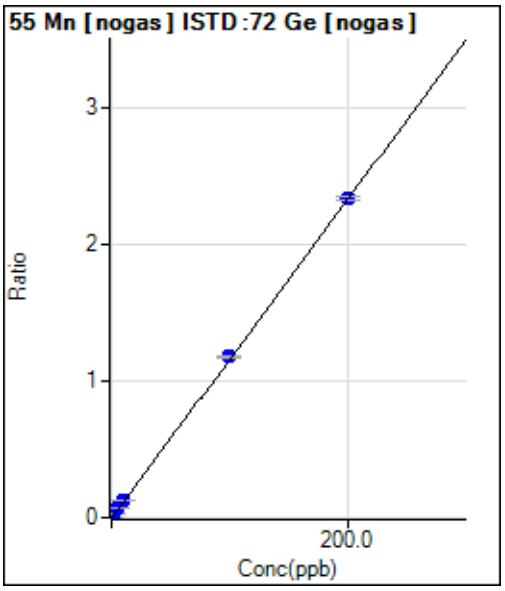
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	860.04	0.0036	P	7.6	
2	☐	2.000	3.271	1886.83	0.0080	P	9.5	63.5
3	☐	5.000	6.456	2840.33	0.0122	P	7.3	29.1
4	☐	10.000	11.144	4287.36	0.0185	P	2.1	11.4
5	☐	100.000	101.687	32040.99	0.1391	P	2.0	1.7
6	☐	200.000	199.050	60270.87	0.2688	P	0.5	-0.5
7	☐	1.000						

y = 0.0013 * x + 0.0036
R = 0.9999
DL = 0.6228 ppb
BEC = 2.718 ppb

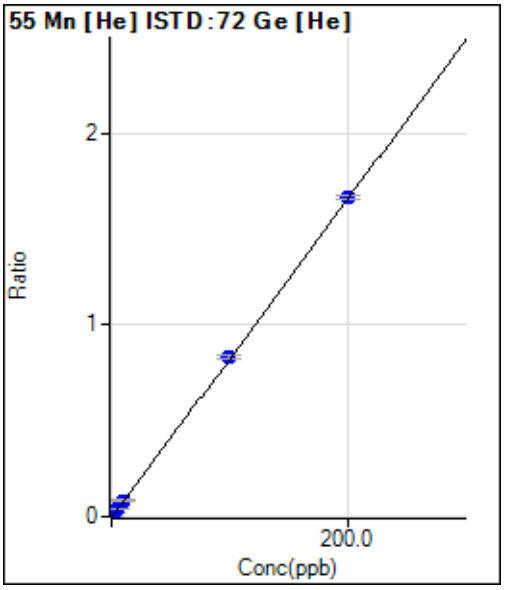
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4537.43	0.0058	P	6.8	
2	☐	2.000	2.030	22871.03	0.0295	P	1.8	1.5
3	☐	5.000	5.057	50337.68	0.0648	P	1.9	1.1
4	☐	10.000	10.034	94870.02	0.1229	P	1.3	0.3
5	☐	100.000	100.631	898594.18	1.1804	P	1.1	0.6
6	☐	200.000	199.681	1748295.65	2.3367	P	1.4	-0.2
7	☐	1.000						

y = 0.0117 * x + 0.0058
R = 1.0000
DL = 0.1012 ppb
BEC = 0.495 ppb

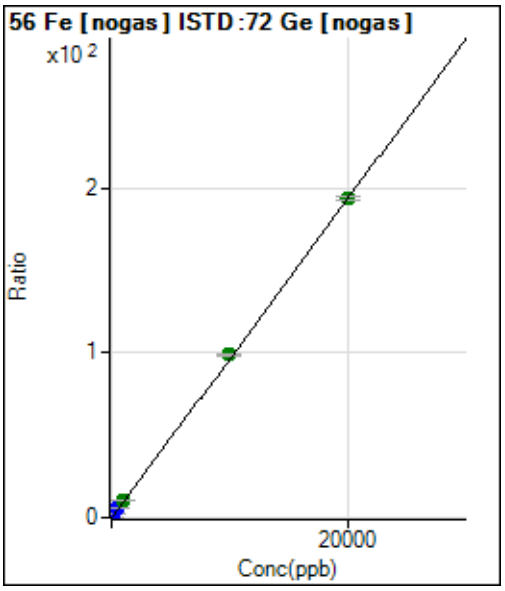
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	343.34	0.0014	P	6.9	
2	☐	2.000	1.952	4180.67	0.0177	P	14.8	-2.4
3	☐	5.000	4.935	9876.76	0.0425	P	5.0	-1.3
4	☐	10.000	10.005	19656.53	0.0847	P	1.9	0.1
5	☐	100.000	99.749	191439.49	0.8310	P	2.0	-0.3
6	☐	200.000	200.127	373498.94	1.6658	P	1.1	0.1
7	☐	1.000						

y = 0.0083 * x + 0.0014
R = 1.0000
DL = 0.03586 ppb
BEC = 0.1739 ppb

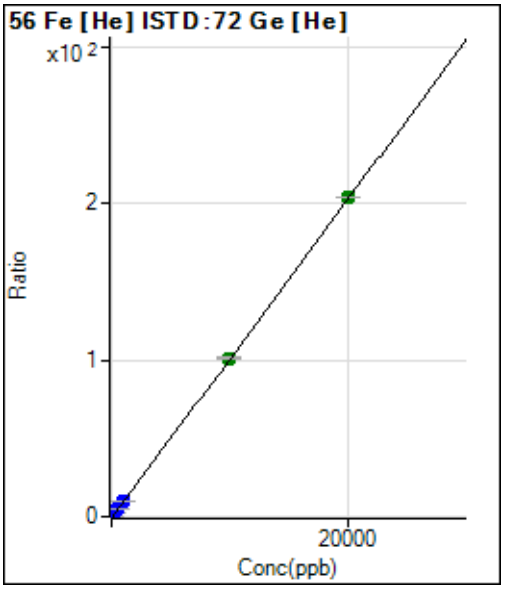
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	452784.11	0.5768	P	1.0	
2	☐	200.000	204.754	1990116.22	2.5648	P	0.3	2.4
3	☐	500.000	518.279	4356903.27	5.6088	P	0.5	3.7
4	☐	1000.000	1043.649	8267583.21	10.7096	A	1.4	4.4
5	☐	10000.00	10146.94	75430352.21	99.0940	A	0.9	1.5
6	☐	20000.00	19923.84	145166411.1	194.018	A	0.9	-0.4
7	☐	100.000						

y = 0.0097 * x + 0.5768
R = 1.0000
DL = 1.863 ppb
BEC = 59.41 ppb

Weight: <None>
Min Conc: <None>

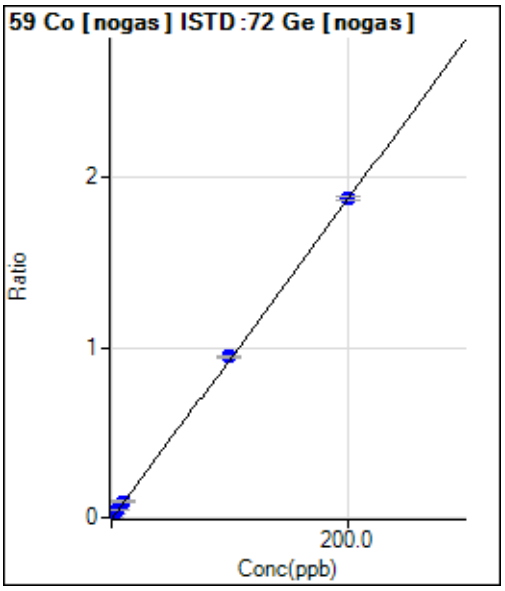


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12748.94	0.0537	P	4.3	
2	☐	200.000	190.512	471372.43	1.9921	P	1.6	-4.7
3	☐	500.000	492.893	1178370.14	5.0687	P	0.9	-1.4
4	☐	1000.000	991.358	2354569.34	10.1404	P	0.2	-0.9
5	☐	10000.00	9927.845	23283094.65	101.065	A	1.3	-0.7
6	☐	20000.00	20036.78	45725907.65	203.919	A	0.2	0.2
7	☐	100.000						

y = 0.0102 * x + 0.0537
R = 1.0000
DL = 0.6857 ppb
BEC = 5.277 ppb

Weight: <None>
Min Conc: <None>

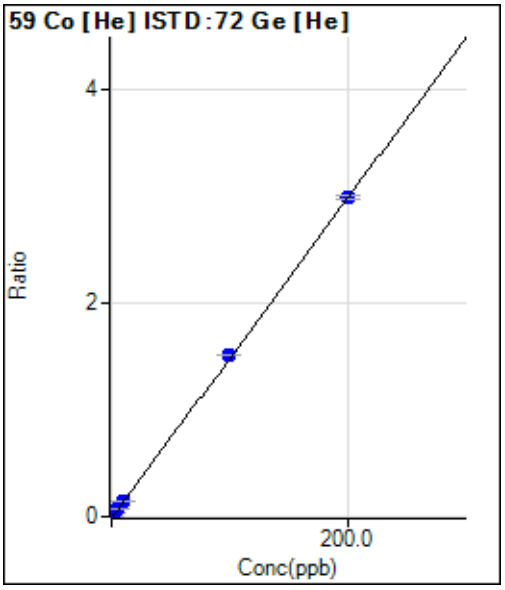
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	110.00	0.0001	P	1.0	
2	☐	2.000	2.051	15077.87	0.0194	P	2.8	2.6
3	☐	5.000	5.079	37219.79	0.0479	P	1.1	1.6
4	☐	10.000	10.199	74159.09	0.0961	P	1.5	2.0
5	☐	100.000	100.763	721536.68	0.9478	P	0.9	0.8
6	☐	200.000	199.606	1404760.81	1.8775	P	0.7	-0.2
7	☐	1.000						

y = 0.0094 * x + 1.4013E-004
R = 1.0000
DL = 0.0004506 ppb
BEC = 0.0149 ppb

Weight: <None>
Min Conc: <None>

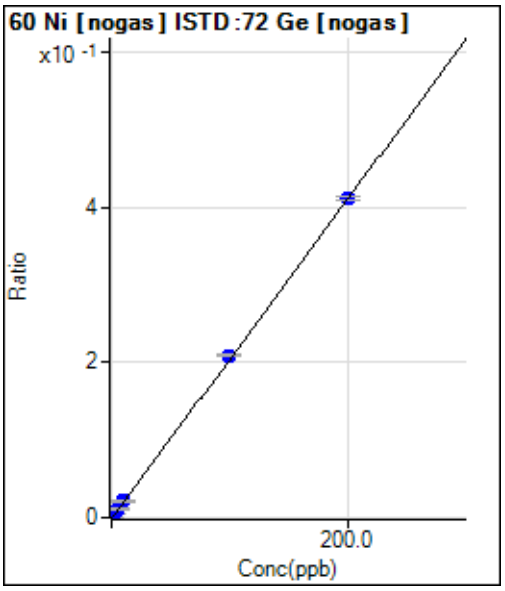


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0002	P	108.3	
2	☐	2.000	2.033	7251.86	0.0306	P	4.9	1.6
3	☐	5.000	5.138	17947.68	0.0772	P	1.2	2.8
4	☐	10.000	10.032	34964.36	0.1506	P	1.9	0.3
5	☐	100.000	101.081	349163.76	1.5156	P	0.6	1.1
6	☐	200.000	199.454	670566.63	2.9905	P	0.8	-0.3
7	☐	1.000						

y = 0.0150 * x + 1.6735E-004
R = 1.0000
DL = 0.03625 ppb
BEC = 0.01116 ppb

Weight: <None>
Min Conc: <None>

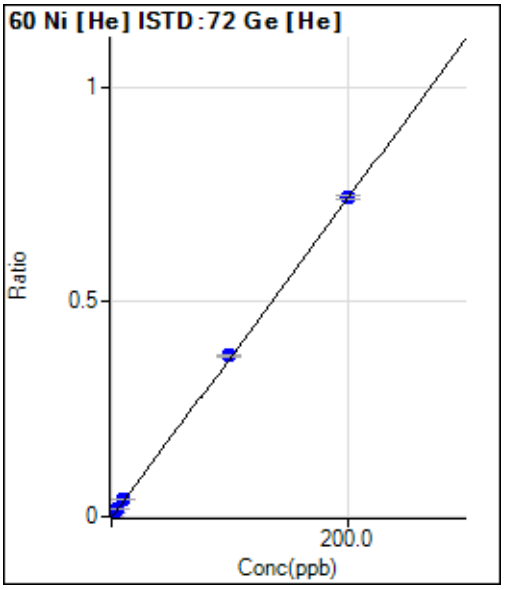
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	446.68	0.0006	P	5.7	
2	☐	2.000	1.936	3543.82	0.0046	P	9.1	-3.2
3	☐	5.000	5.069	8572.54	0.0110	P	3.0	1.4
4	☐	10.000	10.101	16536.06	0.0214	P	3.3	1.0
5	☐	100.000	101.105	159336.92	0.2093	P	0.8	1.1
6	☐	200.000	199.442	308522.37	0.4123	P	0.7	-0.3
7	☐	1.000						

y = 0.0021 * x + 5.6921E-004
R = 1.0000
DL = 0.04705 ppb
BEC = 0.2757 ppb

Weight: <None>
Min Conc: <None>

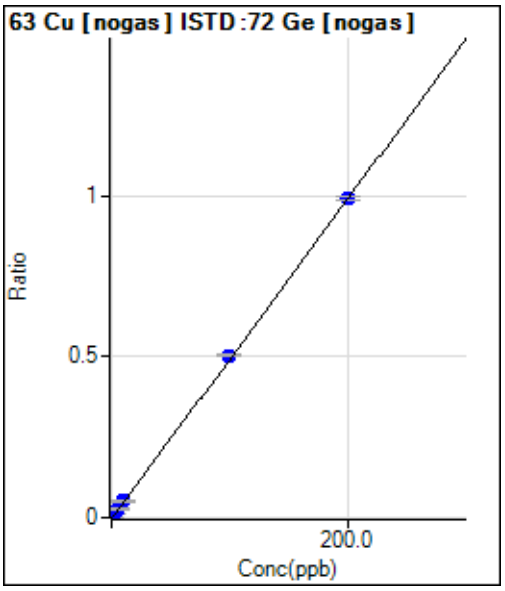


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	216.67	0.0009	P	13.2	
2	☐	2.000	1.909	1893.49	0.0080	P	8.0	-4.6
3	☐	5.000	4.851	4400.74	0.0189	P	10.2	-3.0
4	☐	10.000	10.372	9162.99	0.0395	P	2.1	3.7
5	☐	100.000	100.525	86283.50	0.3745	P	1.0	0.5
6	☐	200.000	199.724	166658.72	0.7432	P	0.7	-0.1
7	☐	1.000						

y = 0.0037 * x + 9.1159E-004
R = 1.0000
DL = 0.09749 ppb
BEC = 0.2453 ppb

Weight: <None>
Min Conc: <None>

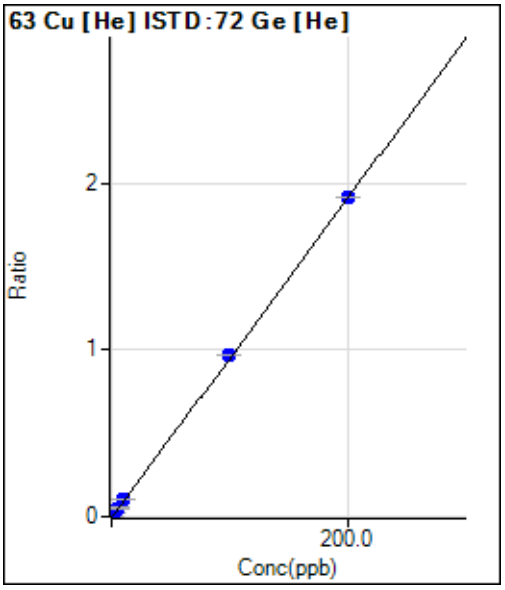
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	690.03	0.0009	P	3.3	
2	☐	2.000	1.929	8132.35	0.0105	P	1.4	-3.5
3	☐	5.000	5.188	20737.98	0.0267	P	2.4	3.8
4	☐	10.000	10.085	39425.36	0.0511	P	1.0	0.9
5	☐	100.000	101.256	384301.50	0.5048	P	0.4	1.3
6	☐	200.000	199.364	743055.01	0.9931	P	1.3	-0.3
7	☐	1.000						

y = 0.0050 * x + 8.7913E-004
R = 1.0000
DL = 0.0173 ppb
BEC = 0.1766 ppb

Weight: <None>
Min Conc: <None>

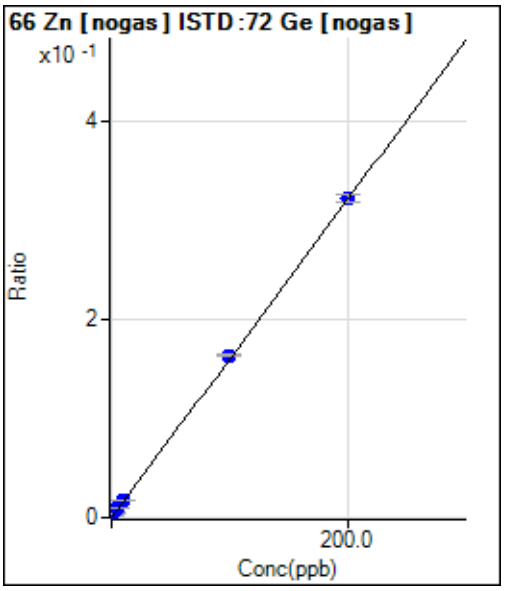


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	400.02	0.0017	P	32.2	
2	☐	2.000	1.941	4810.85	0.0203	P	3.7	-3.0
3	☐	5.000	5.195	11988.30	0.0516	P	5.7	3.9
4	☐	10.000	10.387	23562.18	0.1015	P	1.2	3.9
5	☐	100.000	100.940	223793.08	0.9714	P	0.6	0.9
6	☐	200.000	199.506	430181.47	1.9184	P	0.6	-0.2
7	☐	1.000						

y = 0.0096 * x + 0.0017
R = 1.0000
DL = 0.1693 ppb
BEC = 0.1751 ppb

Weight: <None>
Min Conc: <None>

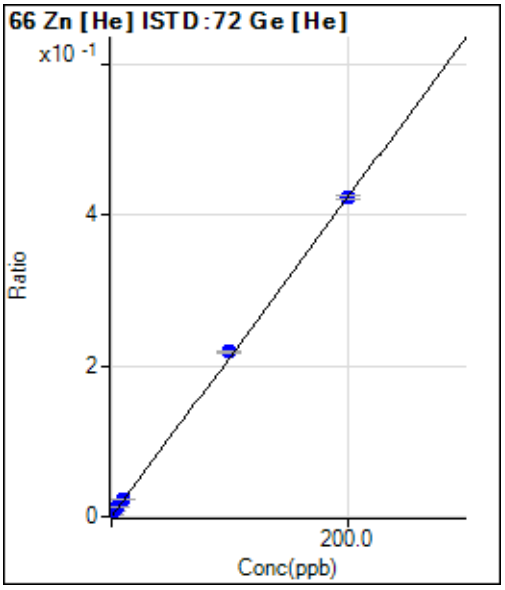
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1233.41	0.0016	P	16.2	
2	☐	2.000	2.051	3780.55	0.0049	P	6.2	2.6
3	☐	5.000	5.471	8058.97	0.0104	P	5.9	9.4
4	☐	10.000	9.792	13376.16	0.0173	P	2.2	-2.1
5	☐	100.000	100.862	124715.75	0.1638	P	1.2	0.9
6	☐	200.000	199.567	241403.85	0.3226	P	2.2	-0.2
7	☐	1.000						

y = 0.0016 * x + 0.0016
R = 1.0000
DL = 0.476 ppb
BEC = 0.9773 ppb

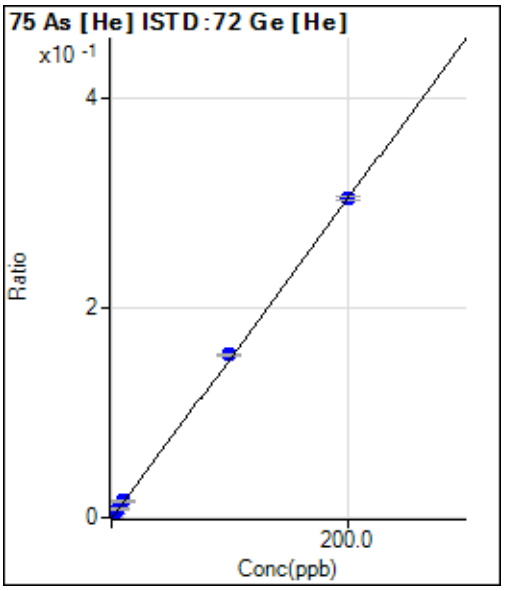
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	540.02	0.0023	P	5.7	
2	☐	2.000	2.252	1666.79	0.0070	P	0.8	12.6
3	☐	5.000	5.340	3157.06	0.0136	P	6.0	6.8
4	☐	10.000	9.859	5374.39	0.0231	P	5.7	-1.4
5	☐	100.000	102.037	50297.96	0.2183	P	0.7	2.0
6	☐	200.000	198.977	94983.40	0.4236	P	0.9	-0.5
7	☐	1.000						

y = 0.0021 * x + 0.0023
R = 0.9999
DL = 0.1845 ppb
BEC = 1.074 ppb

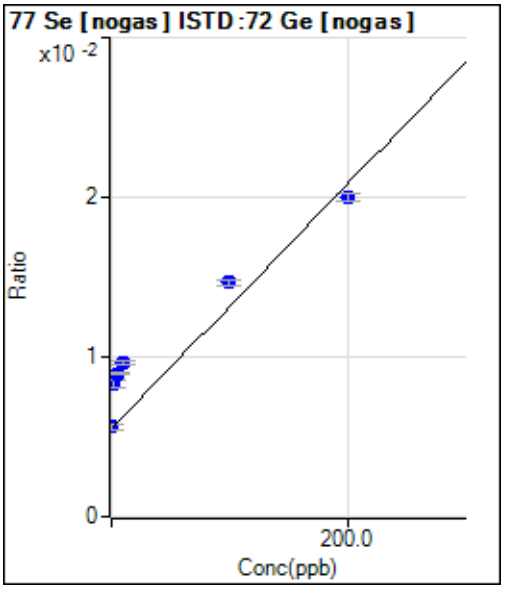
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	110.00	0.0005	P	24.9	
2	☐	2.000	1.926	804.47	0.0034	P	9.3	-3.7
3	☐	5.000	5.104	1916.80	0.0082	P	5.3	2.1
4	☐	10.000	10.095	3679.37	0.0158	P	3.8	1.0
5	☐	100.000	101.453	35720.53	0.1551	P	0.8	1.5
6	☐	200.000	199.267	68186.20	0.3041	P	1.2	-0.4
7	☐	1.000						

y = 0.0015 * x + 4.6369E-004
R = 1.0000
DL = 0.2272 ppb
BEC = 0.3043 ppb

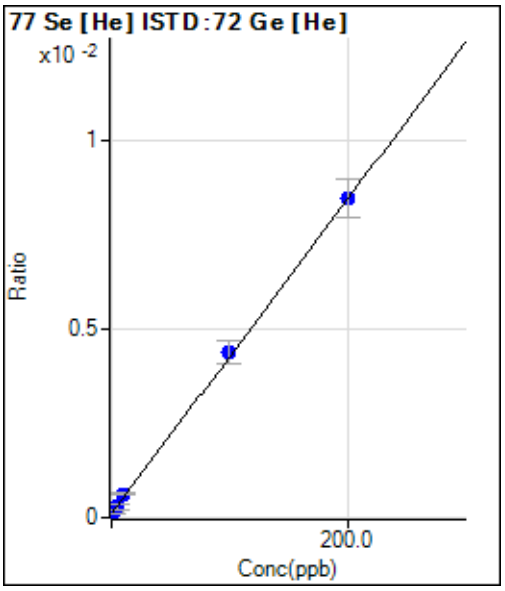
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4424.09	0.0056	P	6.0	
2	☐	2.000	34.906	6448.18	0.0083	P	4.7	1645.
3	☐	5.000	43.045	6938.41	0.0089	P	1.2	760.9
4	☐	10.000	52.846	7475.34	0.0097	P	2.2	428.5
5	☐	100.000	117.801	11161.06	0.0147	P	2.7	17.8
6	☐	200.000	187.677	14974.52	0.0200	P	2.2	-6.2
7	☐	1.000						

y = 7.6621E-005 * x + 0.0056
R = 0.9722
DL = 13.18 ppb
BEC = 73.53 ppb

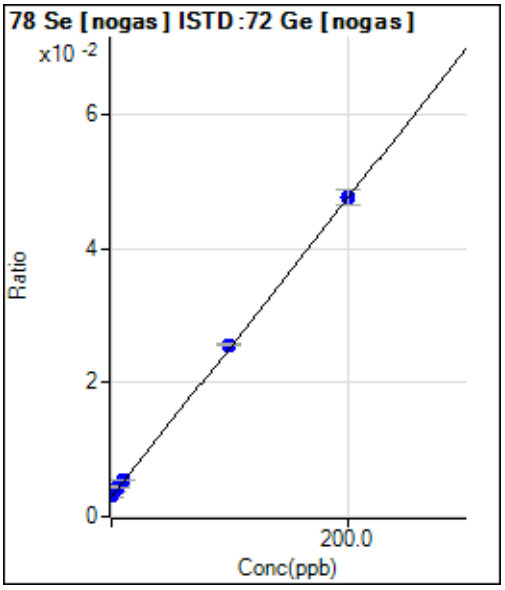
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.67	0.0002	P	15.3	
2	☐	2.000	0.375	40.00	0.0002	P	66.7	-81.2
3	☐	5.000	3.155	66.67	0.0003	P	60.0	-36.9
4	☐	10.000	11.469	146.67	0.0006	P	10.7	14.7
5	☐	100.000	101.252	1006.72	0.0044	P	13.8	1.3
6	☐	200.000	199.363	1896.83	0.0085	P	11.9	-0.3
7	☐	1.000						

y = 4.1632E-005 * x + 1.5430E-004
R = 0.9999
DL = 1.705 ppb
BEC = 3.706 ppb

Weight: <None>
Min Conc: <None>

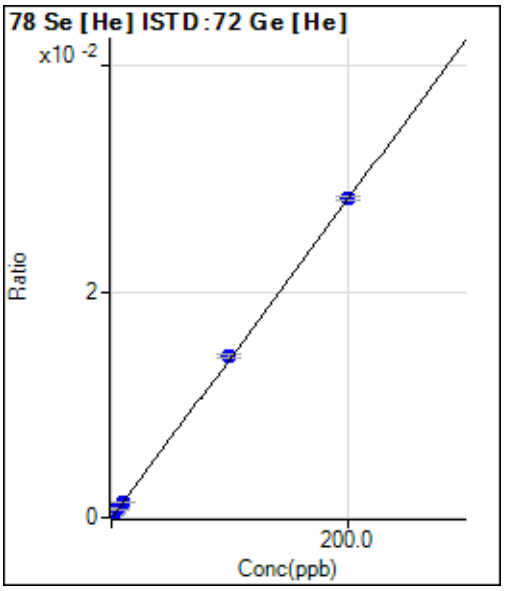


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2520.27	0.0032	P	12.7	
2	☐	2.000	2.622	2947.01	0.0038	P	3.2	31.1
3	☐	5.000	5.528	3453.80	0.0044	P	3.3	10.6
4	☐	10.000	10.123	4224.01	0.0055	P	3.2	1.2
5	☐	100.000	100.876	19576.56	0.0257	P	1.7	0.9
6	☐	200.000	199.536	35710.24	0.0477	P	4.3	-0.2
7	☐	1.000						

y = 2.2311E-004 * x + 0.0032
R = 1.0000
DL = 5.48 ppb
BEC = 14.4 ppb

Weight: <None>
Min Conc: <None>

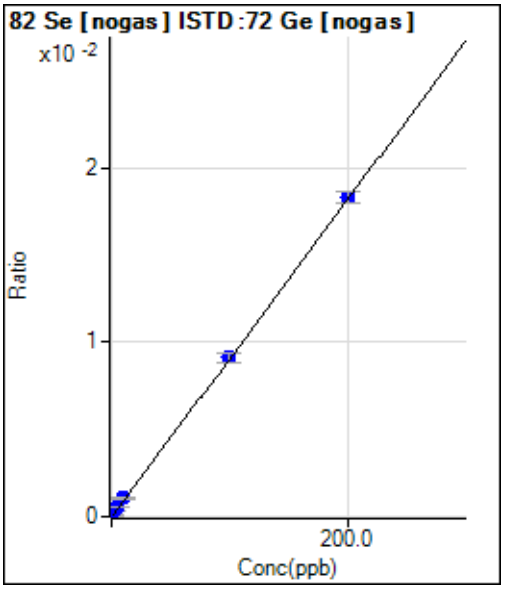
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25.33	0.0001	P	25.2	
2	☐	2.000	2.081	94.67	0.0004	P	12.9	4.0
3	☐	5.000	4.880	185.33	0.0008	P	22.7	-2.4
4	☐	10.000	8.903	316.67	0.0014	P	6.7	-11.0
5	☐	100.000	100.873	3306.38	0.0144	P	1.9	0.9
6	☐	200.000	199.621	6346.04	0.0283	P	1.4	-0.2
7	☐	1.000						

y = 1.4123E-004 * x + 1.0662E-004
R = 1.0000
DL = 0.5714 ppb
BEC = 0.7549 ppb

Weight: <None>
Min Conc: <None>

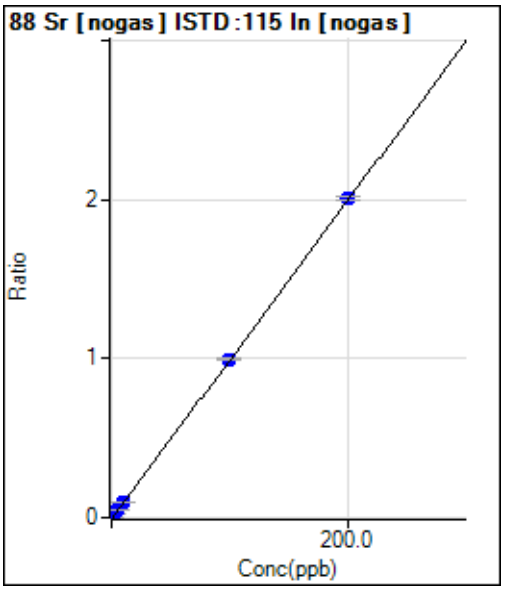


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	46.67	0.0001	P	54.6	
2	☐	2.000	2.692	236.68	0.0003	P	13.7	34.6
3	☐	5.000	5.136	410.01	0.0005	P	6.5	2.7
4	☐	10.000	10.953	816.70	0.0011	P	13.9	9.5
5	☐	100.000	99.301	6935.09	0.0091	P	7.0	-0.7
6	☐	200.000	200.292	13706.64	0.0183	P	3.7	0.1
7	☐	1.000						

y = 9.1170E-005 * x + 5.9592E-005
R = 1.0000
DL = 1.071 ppb
BEC = 0.6536 ppb

Weight: <None>
Min Conc: <None>

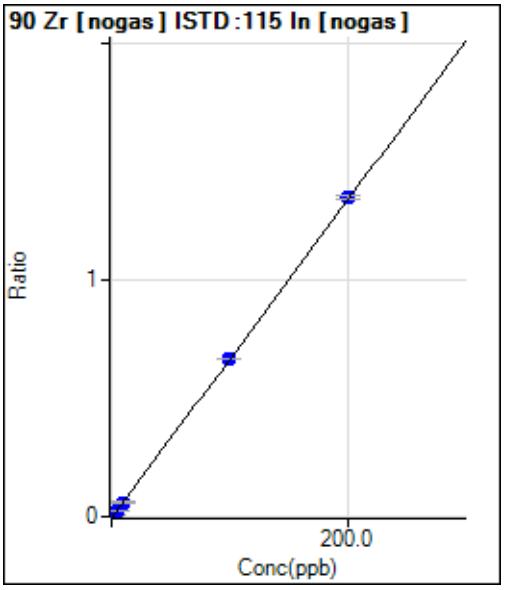
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	876.71	0.0008	P	6.8	
2	☐	2.000	2.031	22270.57	0.0212	P	1.2	1.5
3	☐	5.000	4.826	51961.66	0.0492	P	0.9	-3.5
4	☐	10.000	9.742	102742.93	0.0986	P	2.5	-2.6
5	☐	100.000	99.335	1013553.09	0.9975	P	1.3	-0.7
6	☐	200.000	200.350	2000333.77	2.0110	P	1.5	0.2
7	☐	1.000						

y = 0.0100 * x + 8.2218E-004
R = 1.0000
DL = 0.01669 ppb
BEC = 0.08194 ppb

Weight: <None>
Min Conc: <None>

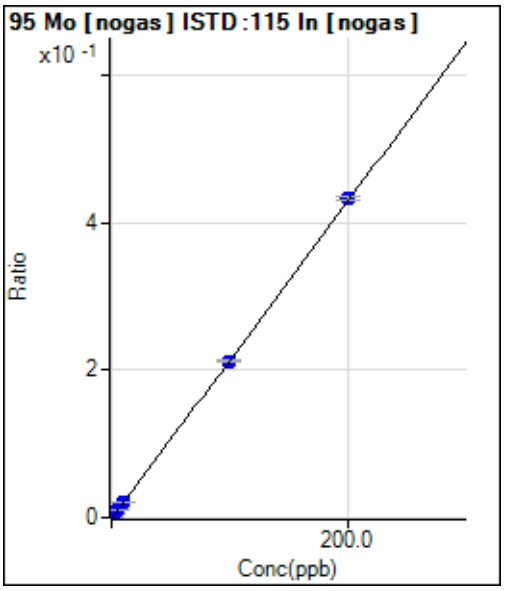


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1036.72	0.0010	P	5.3	
2	☐	2.000	1.301	10193.68	0.0097	P	3.9	-34.9
3	☐	5.000	3.949	28982.18	0.0275	P	2.3	-21.0
4	☐	10.000	8.925	63439.87	0.0609	P	2.8	-10.8
5	☐	100.000	98.936	675565.77	0.6648	P	0.7	-1.1
6	☐	200.000	200.619	1339974.35	1.3472	P	1.1	0.3
7	☐	1.000						

y = 0.0067 * x + 9.7181E-004
R = 1.0000
DL = 0.0229 ppb
BEC = 0.1448 ppb

Weight: <None>
Min Conc: <None>

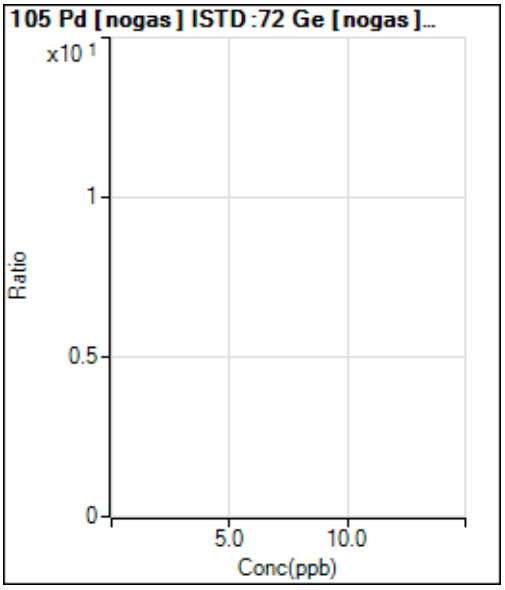
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	233.34	0.0002	P	20.6	
2	☐	2.000	1.765	4234.02	0.0040	P	1.4	-11.7
3	☐	5.000	4.766	11087.71	0.0105	P	0.8	-4.7
4	☐	10.000	9.424	21435.91	0.0206	P	2.1	-5.8
5	☐	100.000	98.302	215838.94	0.2124	P	1.9	-1.7
6	☐	200.000	200.886	431565.13	0.4339	P	1.5	0.4
7	☐	1.000						

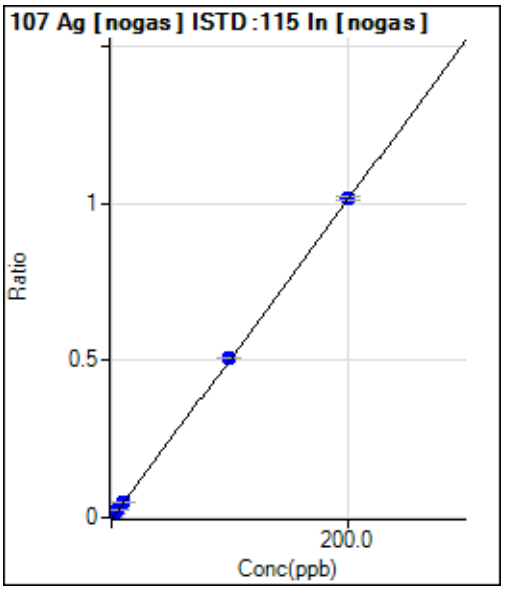
y = 0.0022 * x + 2.1909E-004
R = 1.0000
DL = 0.06275 ppb
BEC = 0.1015 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

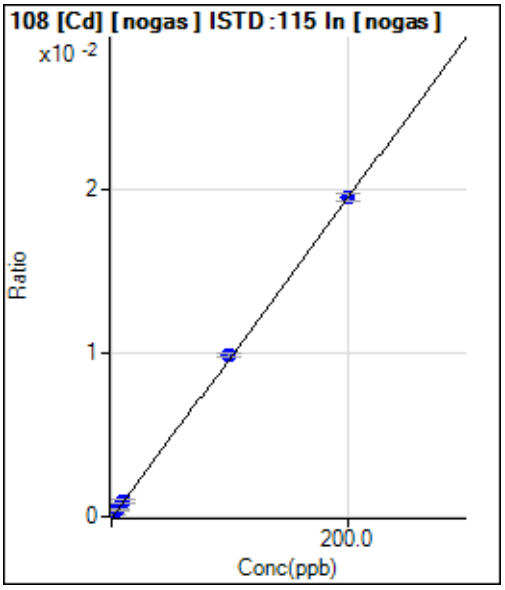
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0000	P	9.0	
2	☐	2.000	1.896	10187.04	0.0097	P	2.6	-5.2
3	☐	5.000	4.877	26233.86	0.0249	P	2.5	-2.5
4	☐	10.000	9.836	52217.22	0.0501	P	2.1	-1.6
5	☐	100.000	100.002	517046.40	0.5088	P	0.2	0.0
6	☐	200.000	200.011	1012248.45	1.0177	P	1.1	0.0
7	☐	1.000						

y = 0.0051 * x + 4.9924E-005
R = 1.0000
DL = 0.002637 ppb
BEC = 0.009813 ppb

Weight: <None>
Min Conc: <None>

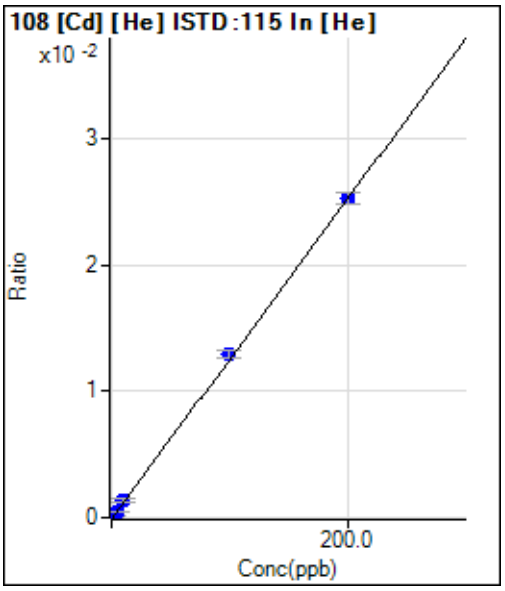


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	1.560	160.00	0.0002	P	1.0	-22.0
3	☐	5.000	4.434	456.68	0.0004	P	14.3	-11.3
4	☐	10.000	9.565	973.38	0.0009	P	15.0	-4.4
5	☐	100.000	101.118	10030.30	0.0099	P	2.4	1.1
6	☐	200.000	199.481	19373.31	0.0195	P	2.1	-0.3
7	☐	1.000						

y = 9.7620E-005 * x + 0.0000E+000
R = 1.0000
DL = 0 ppb
BEC = 0 ppb

Weight: <None>
Min Conc: <None>

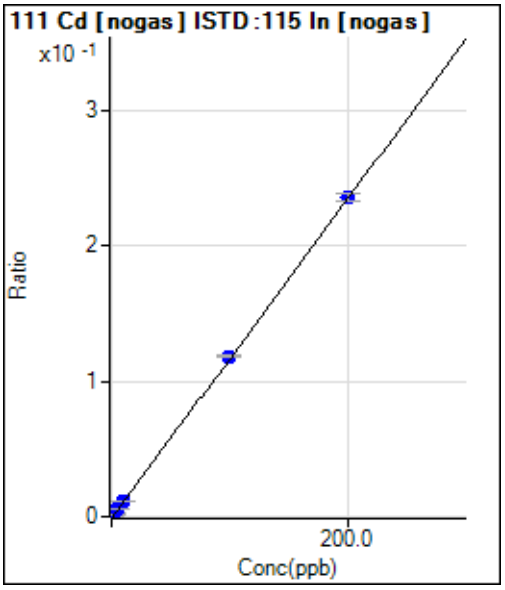
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0000	P	86.6	
2	☐	2.000	1.334	73.33	0.0002	P	31.3	-33.3
3	☐	5.000	3.681	190.00	0.0005	P	19.1	-26.4
4	☐	10.000	10.876	543.36	0.0014	P	16.8	8.8
5	☐	100.000	101.637	4987.61	0.0129	P	5.2	1.6
6	☐	200.000	199.177	9403.21	0.0253	P	3.0	-0.4
7	☐	1.000						

y = 1.2700E-004 * x + 1.6872E-005
R = 0.9999
DL = 0.3452 ppb
BEC = 0.1329 ppb

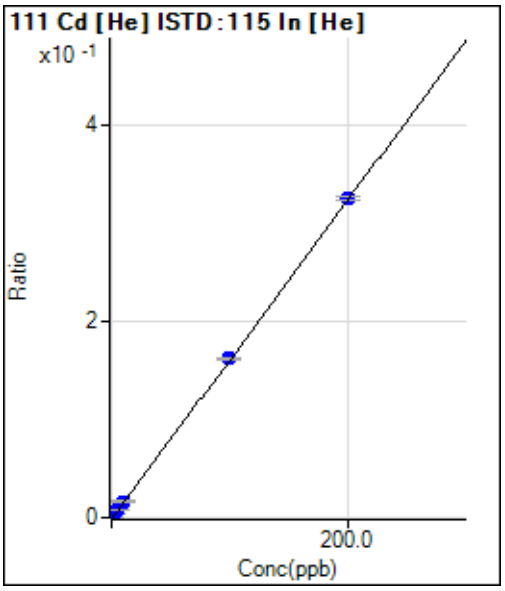
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16.67	0.0000	P	126.0	
2	☐	2.000	1.879	2348.59	0.0022	P	13.1	-6.1
3	☐	5.000	5.111	6385.05	0.0061	P	7.1	2.2
4	☐	10.000	9.648	11891.52	0.0114	P	4.1	-3.5
5	☐	100.000	100.209	120264.70	0.1183	P	1.4	0.2
6	☐	200.000	199.912	234817.74	0.2361	P	2.3	0.0
7	☐	1.000						

y = 0.0012 * x + 1.5704E-005
R = 1.0000
DL = 0.05027 ppb
BEC = 0.0133 ppb

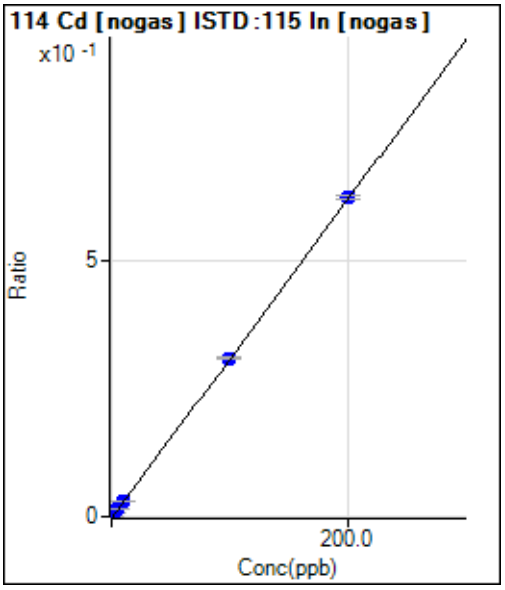
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-3.82	0.0000	P	-156.6	
2	☐	2.000	1.947	1241.40	0.0032	P	11.5	-2.6
3	☐	5.000	5.109	3253.28	0.0083	P	6.6	2.2
4	☐	10.000	10.181	6435.48	0.0165	P	6.3	1.8
5	☐	100.000	99.683	62503.49	0.1620	P	1.7	-0.3
6	☐	200.000	200.147	120852.94	0.3252	P	1.1	0.1
7	☐	1.000						

y = 0.0016 * x - 9.5698E-006
R = 1.0000
DL = 0.02767 ppb
BEC = -0.00589 ppb

Weight: <None>
Min Conc: <None>

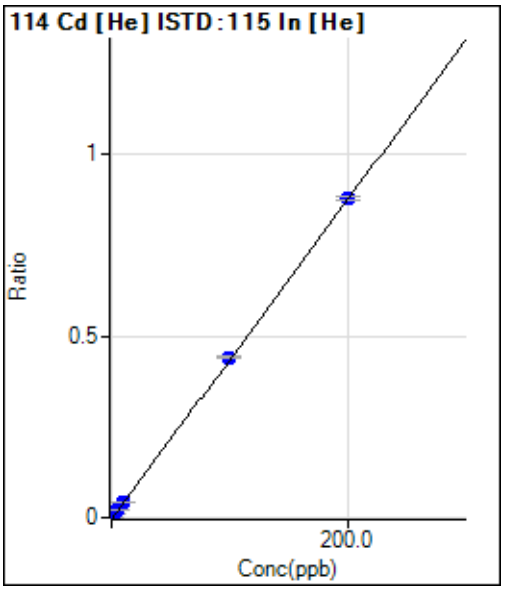


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0000	P	44.4	
2	☐	2.000	2.017	6631.65	0.0063	P	3.2	0.8
3	☐	5.000	5.046	16606.36	0.0157	P	1.3	0.9
4	☐	10.000	9.863	32029.05	0.0307	P	1.8	-1.4
5	☐	100.000	99.343	314155.20	0.3092	P	0.6	-0.7
6	☐	200.000	200.334	620109.63	0.6234	P	1.0	0.2
7	☐	1.000						

y = 0.0031 * x + 3.7682E-005
R = 1.0000
DL = 0.01613 ppb
BEC = 0.01211 ppb

Weight: <None>
Min Conc: <None>

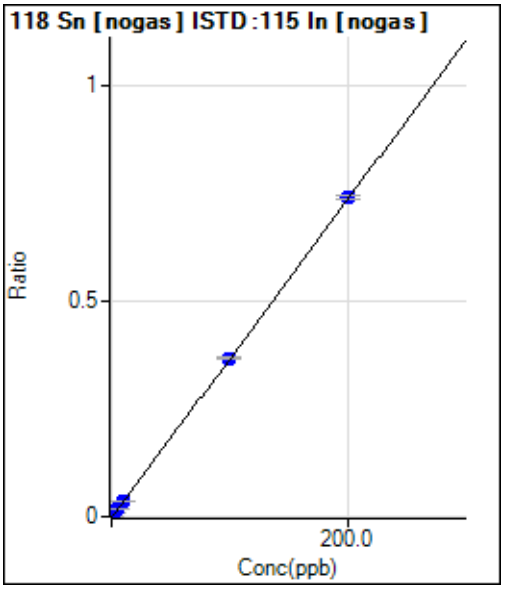
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	33.33	0.0001	P	120.7	
2	☐	2.000	1.982	3460.50	0.0088	P	12.1	-0.9
3	☐	5.000	4.836	8372.54	0.0213	P	2.1	-3.3
4	☐	10.000	9.876	16923.46	0.0435	P	2.5	-1.2
5	☐	100.000	100.444	170467.35	0.4417	P	0.7	0.4
6	☐	200.000	199.789	326400.27	0.8784	P	1.3	-0.1
7	☐	1.000						

y = 0.0044 * x + 8.3584E-005
R = 1.0000
DL = 0.06887 ppb
BEC = 0.01901 ppb

Weight: <None>
Min Conc: <None>

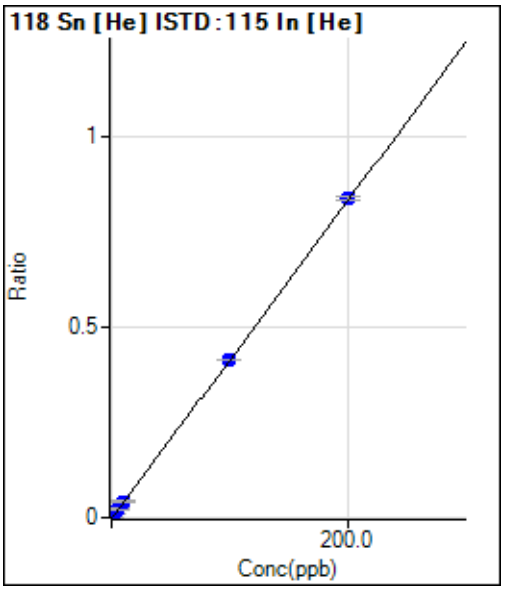


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	986.72	0.0009	P	13.1	
2	☐	2.000	1.936	8482.65	0.0081	P	5.5	-3.2
3	☐	5.000	4.786	19623.69	0.0186	P	4.4	-4.3
4	☐	10.000	9.688	38257.78	0.0367	P	0.7	-3.1
5	☐	100.000	99.343	373713.39	0.3678	P	1.3	-0.7
6	☐	200.000	200.350	736821.84	0.7408	P	1.5	0.2
7	☐	1.000						

y = 0.0037 * x + 9.2589E-004
R = 1.0000
DL = 0.09841 ppb
BEC = 0.2507 ppb

Weight: <None>
Min Conc: <None>

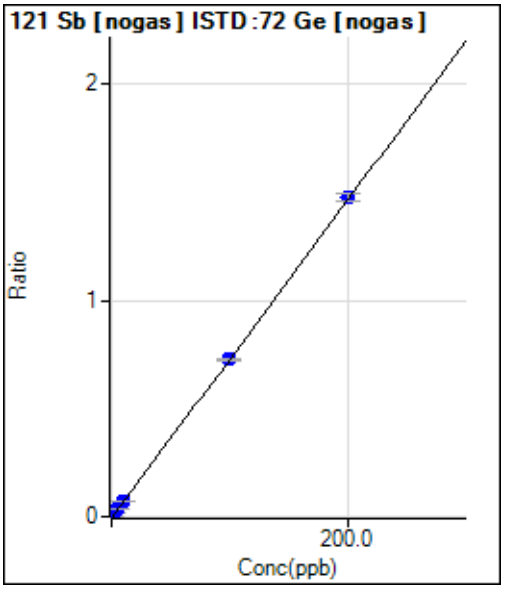
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	473.35	0.0012	P	16.5	
2	☐	2.000	1.885	3563.84	0.0091	P	3.7	-5.8
3	☐	5.000	5.082	8786.17	0.0224	P	3.3	1.6
4	☐	10.000	9.985	16673.21	0.0429	P	0.9	-0.2
5	☐	100.000	98.809	159571.59	0.4135	P	0.8	-1.2
6	☐	200.000	200.596	311423.65	0.8382	P	1.0	0.3
7	☐	1.000						

y = 0.0042 * x + 0.0012
R = 1.0000
DL = 0.1416 ppb
BEC = 0.2864 ppb

Weight: <None>
Min Conc: <None>

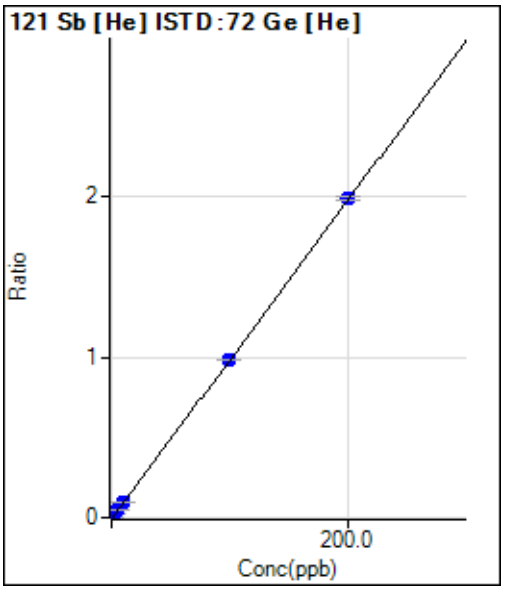


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	440.02	0.0006	P	7.4	
2	☐	2.000	1.929	11458.11	0.0148	P	2.2	-3.5
3	☐	5.000	4.739	27540.00	0.0355	P	2.4	-5.2
4	☐	10.000	9.815	56223.25	0.0728	P	2.3	-1.8
5	☐	100.000	98.765	554006.36	0.7278	P	0.7	-1.2
6	☐	200.000	200.634	1105689.08	1.4778	P	2.0	0.3
7	☐	1.000						

y = 0.0074 * x + 5.6028E-004
R = 1.0000
DL = 0.01678 ppb
BEC = 0.07609 ppb

Weight: <None>
Min Conc: <None>

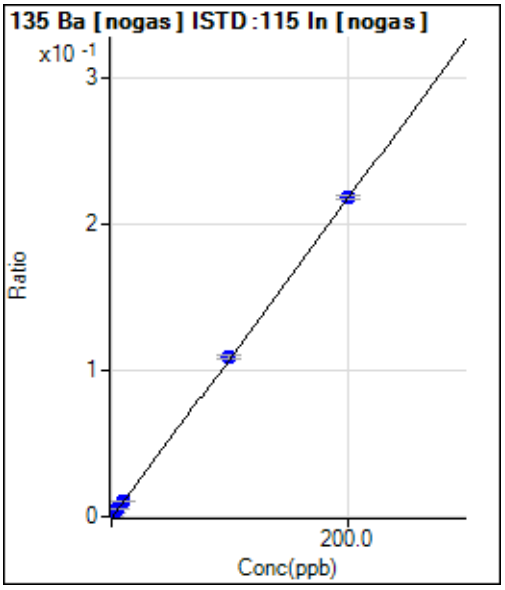
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	220.01	0.0009	P	8.7	
2	☐	2.000	1.892	4667.50	0.0197	P	3.3	-5.4
3	☐	5.000	5.029	11835.01	0.0509	P	4.9	0.6
4	☐	10.000	9.800	22835.10	0.0983	P	0.6	-2.0
5	☐	100.000	99.351	227714.95	0.9885	P	0.2	-0.6
6	☐	200.000	200.335	446717.83	1.9922	P	0.9	0.2
7	☐	1.000						

y = 0.0099 * x + 9.2674E-004
R = 1.0000
DL = 0.02435 ppb
BEC = 0.09323 ppb

Weight: <None>
Min Conc: <None>

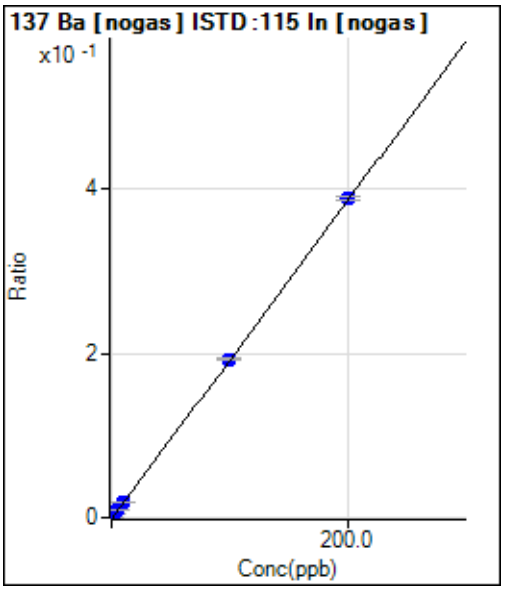


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86.67	0.0001	P	24.6	
2	☐	2.000	1.902	2266.90	0.0022	P	2.2	-4.9
3	☐	5.000	4.924	5757.96	0.0055	P	5.0	-1.5
4	☐	10.000	9.759	11191.23	0.0107	P	3.6	-2.4
5	☐	100.000	100.364	111416.26	0.1097	P	2.5	0.4
6	☐	200.000	199.833	217087.24	0.2182	P	1.8	-0.1
7	☐	1.000						

y = 0.0011 * x + 8.1275E-005
R = 1.0000
DL = 0.05494 ppb
BEC = 0.07445 ppb

Weight: <None>
Min Conc: <None>

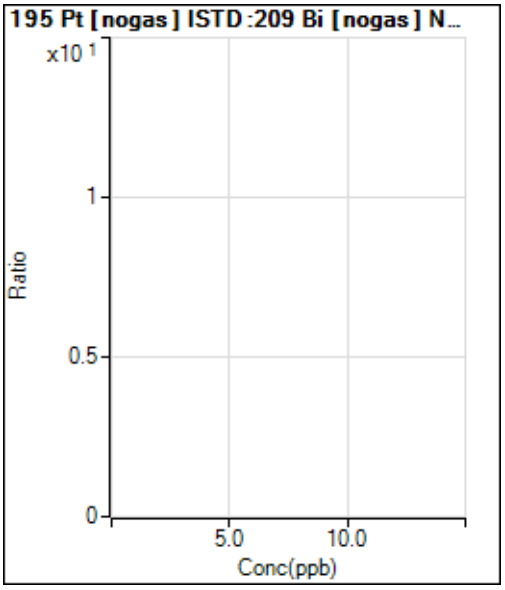
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	113.34	0.0001	P	26.5	
2	☐	2.000	2.016	4217.38	0.0040	P	6.5	0.8
3	☐	5.000	4.852	10037.04	0.0095	P	3.6	-3.0
4	☐	10.000	9.790	19894.20	0.0191	P	1.4	-2.1
5	☐	100.000	99.244	195627.41	0.1925	P	1.4	-0.8
6	☐	200.000	200.392	386544.05	0.3886	P	1.0	0.2
7	☐	1.000						

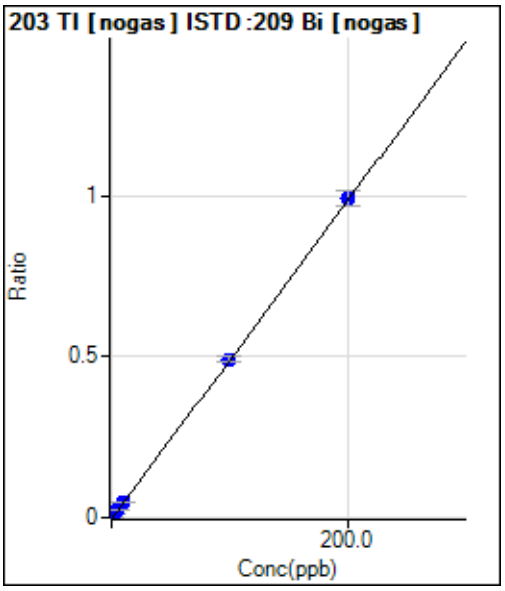
y = 0.0019 * x + 1.0588E-004
R = 1.0000
DL = 0.04334 ppb
BEC = 0.05461 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

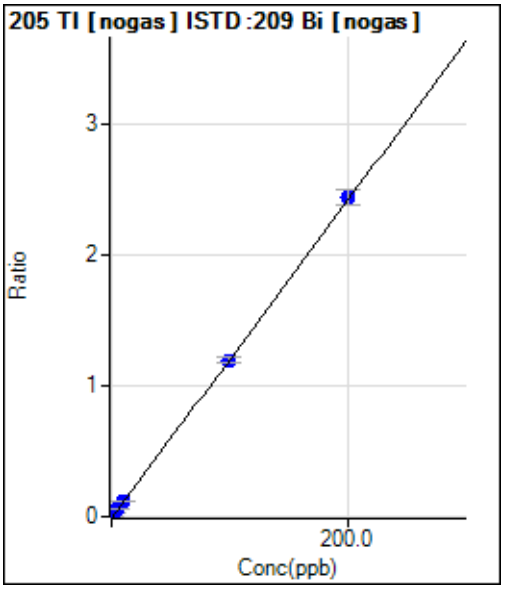
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	146.67	0.0001	P	16.0	
2	☐	2.000	1.925	14187.54	0.0096	P	2.0	-3.8
3	☐	5.000	4.743	34554.00	0.0236	P	4.5	-5.1
4	☐	10.000	9.683	70983.98	0.0481	P	6.1	-3.2
5	☐	100.000	99.246	702028.27	0.4920	P	3.8	-0.8
6	☐	200.000	200.400	1390145.19	0.9933	P	4.8	0.2
7	☐	1.000						

y = 0.0050 * x + 9.9084E-005
R = 1.0000
DL = 0.009591 ppb
BEC = 0.01999 ppb

Weight: <None>
Min Conc: <None>

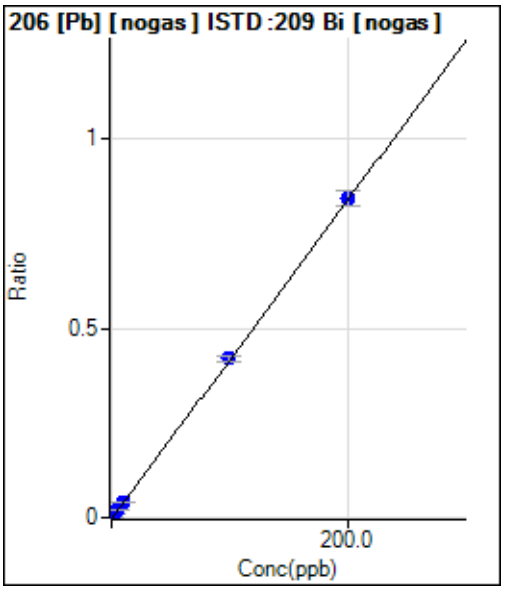


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	250.01	0.0002	P	12.0	
2	☐	2.000	1.878	33852.48	0.0230	P	5.2	-6.1
3	☐	5.000	4.789	85540.85	0.0585	P	5.9	-4.2
4	☐	10.000	9.504	170950.11	0.1158	P	6.8	-5.0
5	☐	100.000	98.358	1708440.29	1.1973	P	3.6	-1.6
6	☐	200.000	200.852	3421592.03	2.4447	P	4.4	0.4
7	☐	1.000						

y = 0.0122 * x + 1.6827E-004
R = 1.0000
DL = 0.004969 ppb
BEC = 0.01383 ppb

Weight: <None>
Min Conc: <None>

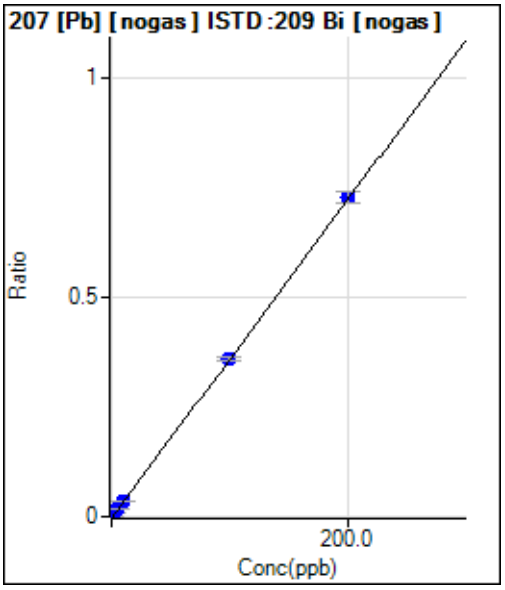
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	270.01	0.0002	P	20.3	
2	☐	2.000	1.989	12606.04	0.0086	P	4.7	-0.5
3	☐	5.000	4.879	30384.25	0.0208	P	5.3	-2.4
4	☐	10.000	9.843	61572.26	0.0417	P	3.6	-1.6
5	☐	100.000	99.752	600619.35	0.4209	P	3.1	-0.2
6	☐	200.000	200.135	1181553.13	0.8442	P	4.7	0.1
7	☐	1.000						

y = 0.0042 * x + 1.8219E-004
R = 1.0000
DL = 0.02634 ppb
BEC = 0.0432 ppb

Weight: <None>
Min Conc: <None>

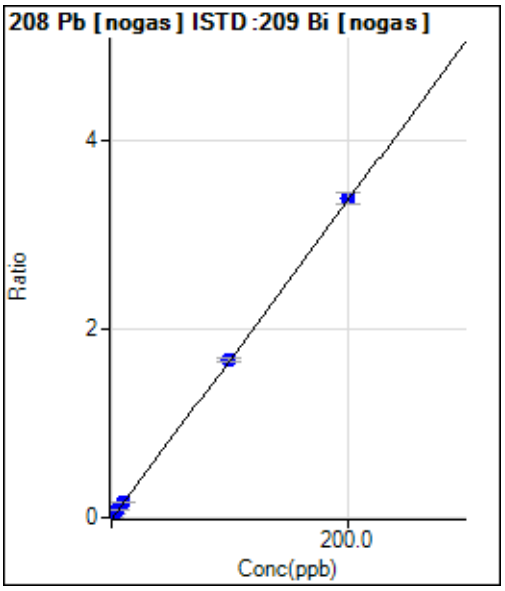


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	210.01	0.0001	P	13.6	
2	☐	2.000	1.868	10207.37	0.0069	P	1.9	-6.6
3	☐	5.000	4.896	26305.65	0.0180	P	1.6	-2.1
4	☐	10.000	9.818	52959.88	0.0359	P	4.4	-1.8
5	☐	100.000	99.184	515199.71	0.3610	P	2.7	-0.8
6	☐	200.000	200.421	1020984.52	0.7294	P	3.5	0.2
7	☐	1.000						

y = 0.0036 * x + 1.4110E-004
R = 1.0000
DL = 0.01584 ppb
BEC = 0.03878 ppb

Weight: <None>
Min Conc: <None>

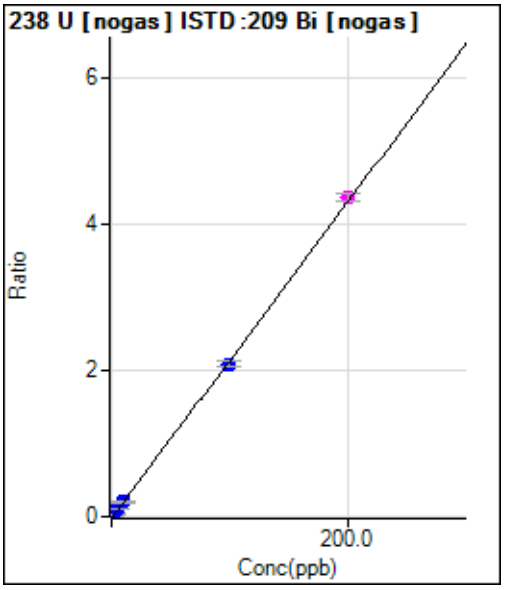
Calibration for 238_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1036.71	0.0007	P	3.0	
2	☐	2.000	1.955	49633.50	0.0338	P	4.2	-2.3
3	☐	5.000	4.886	121969.59	0.0833	P	4.2	-2.3
4	☐	10.000	9.726	243875.39	0.1651	P	3.9	-2.7
5	☐	100.000	99.155	2393451.02	1.6772	P	3.2	-0.8
6	☐	200.000	200.439	4745072.56	3.3897	P	3.5	0.2
7	☐	1.000						

y = 0.0169 * x + 6.9826E-004
R = 1.0000
DL = 0.003687 ppb
BEC = 0.0413 ppb

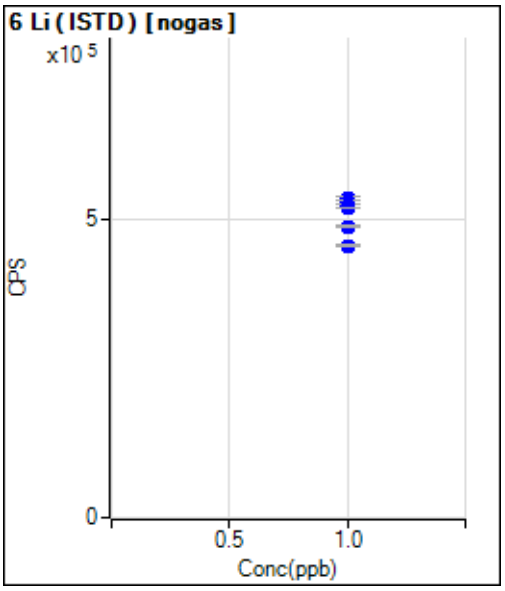
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Min Conc: <None>



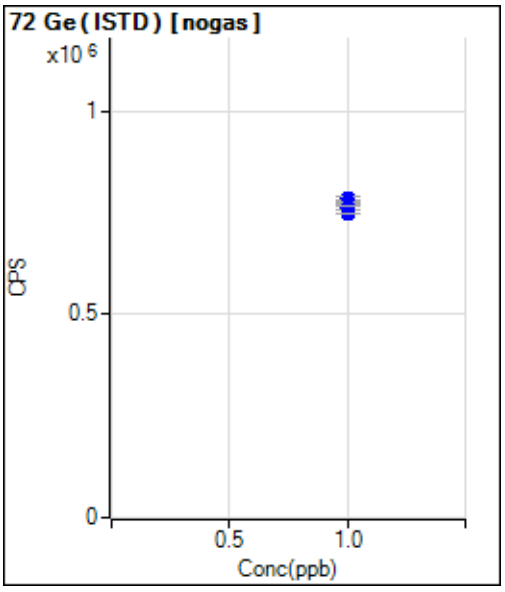
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	363.35	0.0002	P	18.6	
2	☐	2.000	1.815	58043.11	0.0395	P	3.4	-9.3
3	☐	5.000	4.589	145549.05	0.0994	P	4.0	-8.2
4	☐	10.000	9.130	291687.78	0.1975	P	4.0	-8.7
5	☐	100.000	96.254	2968555.06	2.0803	P	3.6	-3.7
6	☐	200.000	201.929	6110728.24	4.3640	M	2.3	1.0
7	☐	1.000						

y = 0.0216 * x + 2.4570E-004
R = 0.9998
DL = 0.006334 ppb
BEC = 0.01137 ppb

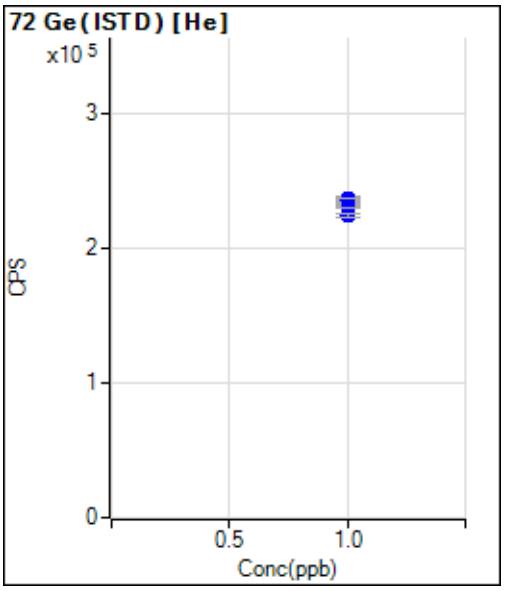
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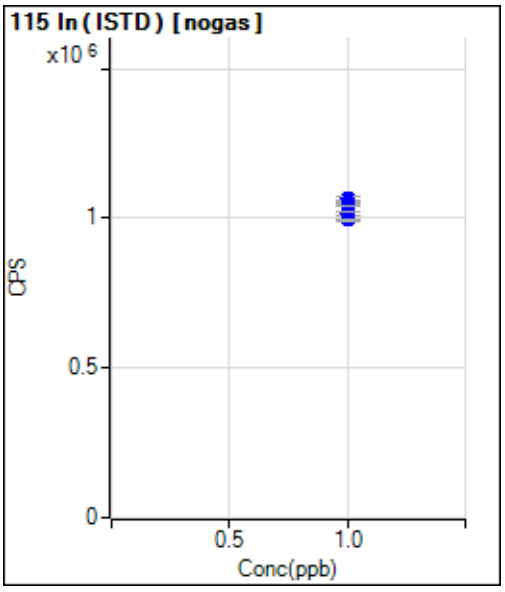
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		535948.04		P	0.7	
2	☐	1.000		529590.98		P	0.9	
3	☐	1.000		522455.46		P	1.0	
4	☐	1.000		520110.25		P	0.4	
5	☐	1.000		489017.12		P	0.6	
6	☐	1.000		455866.43		P	0.4	
7	☐	1.000						



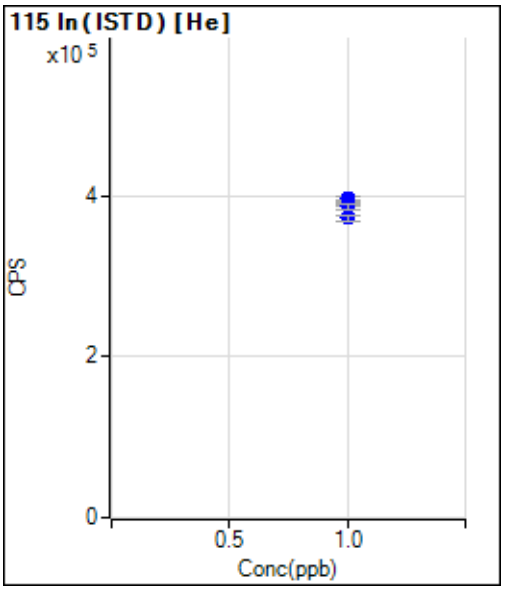
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		785038.19		P	1.0	
2	☐	1.000		775935.98		P	0.6	
3	☐	1.000		776796.45		P	0.4	
4	☐	1.000		771943.50		P	0.6	
5	☐	1.000		761238.17		P	0.9	
6	☐	1.000		748221.19		P	0.3	
7	☐	1.000						



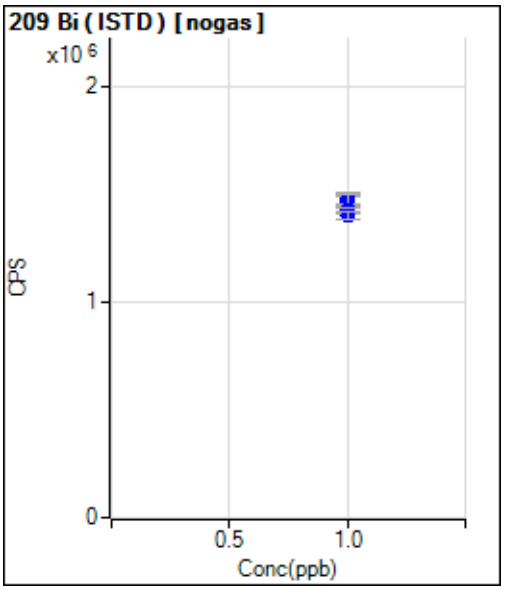
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		237518.43		P	0.9	
2	☐	1.000		236654.39		P	1.3	
3	☐	1.000		232492.83		P	1.2	
4	☐	1.000		232199.10		P	0.4	
5	☐	1.000		230372.20		P	0.2	
6	☐	1.000		224237.33		P	1.1	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1067151.59		P	1.8	
2	☐	1.000		1050539.46		P	1.0	
3	☐	1.000		1055153.30		P	0.2	
4	☐	1.000		1042375.10		P	0.1	
5	☐	1.000		1016142.35		P	0.7	
6	☐	1.000		994735.73		P	0.9	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		396601.19		P	1.3	
2	☐	1.000		393433.22		P	0.4	
3	☐	1.000		392294.16		P	0.6	
4	☐	1.000		389060.64		P	1.1	
5	☐	1.000		385967.06		P	1.4	
6	☐	1.000		371591.74		P	1.5	
7	☐	1.000						



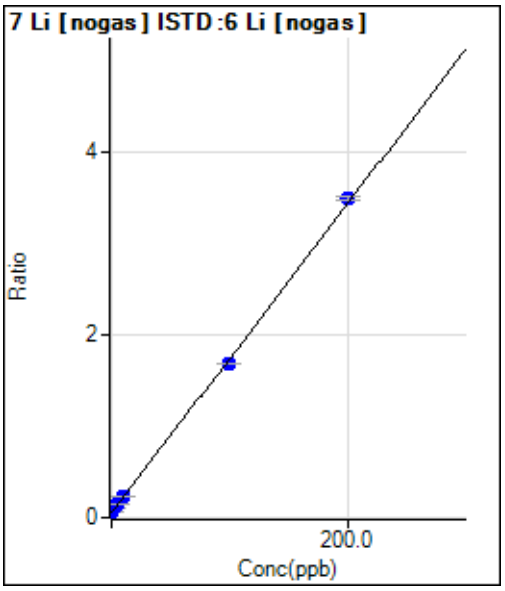
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1483692.69		P	3.4	
2	☐	1.000		1471609.40		P	2.8	
3	☐	1.000		1465442.01		P	3.6	
4	☐	1.000		1477788.31		P	3.0	
5	☐	1.000		1427497.37		P	1.5	
6	☐	1.000		1400751.59		P	2.8	
7	☐	1.000						

Calibration for 018_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070924A.b\
Analysis File: 070924A.batch.bin
DA Date-Time: 7/9/2024 11:13:22 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	011CALB.d	CAL BLK	7/9/2024 10:31:13 AM
2	012CALS.d	2/10/200	7/9/2024 10:33:20 AM
3	013CALS.d	5/25/500	7/9/2024 10:35:27 AM
4	014CALS.d	10/50/1000	7/9/2024 10:37:37 AM
5	015CALS.d	100/500/10K	7/9/2024 10:39:46 AM
6	016CALS.d	200/1000/20K	7/9/2024 10:41:52 AM
7			

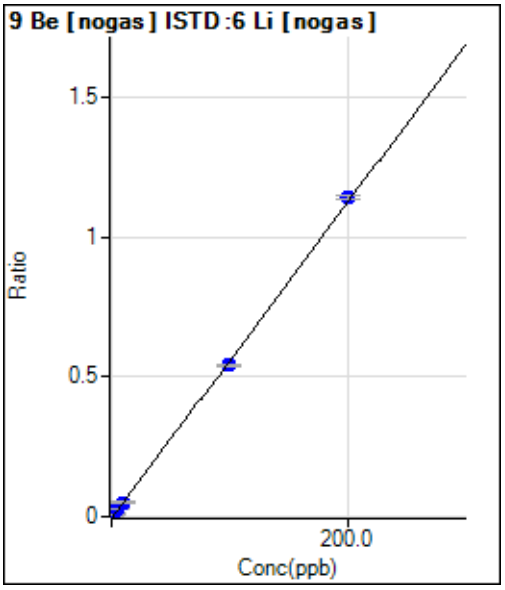
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	48441.58	0.0713	P	1.5	
2	☐	2.000	1.842	68757.34	0.1025	P	1.0	-7.9
3	☐	5.000	4.628	99227.81	0.1496	P	1.3	-7.4
4	☐	10.000	9.261	151374.12	0.2280	P	0.9	-7.4
5	☐	100.000	95.423	1067852.40	1.6853	P	0.5	-4.6
6	☐	200.000	202.336	2081727.36	3.4935	P	0.8	1.2
7	☐	1.000						

y = 0.0169 * x + 0.0713
R = 0.9996
DL = 0.1908 ppb
BEC = 4.217 ppb

Weight: <None>
Min Conc: <None>

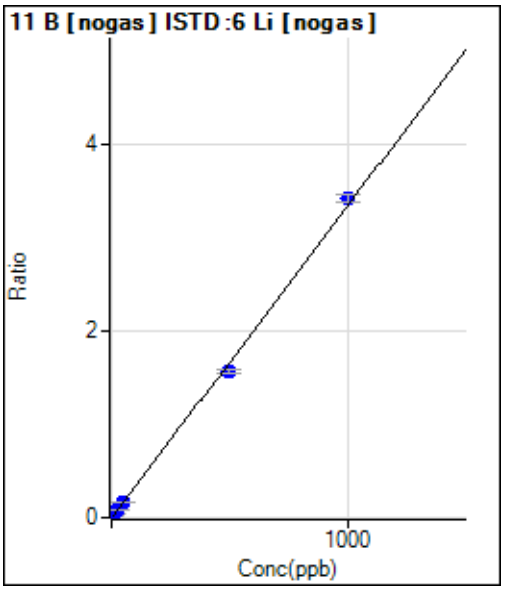


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63.33	0.0001	P	33.3	
2	☐	2.000	1.809	6931.62	0.0103	P	4.7	-9.6
3	☐	5.000	4.470	16845.89	0.0254	P	2.7	-10.6
4	☐	10.000	9.063	34124.10	0.0514	P	4.4	-9.4
5	☐	100.000	95.850	343860.83	0.5427	P	0.9	-4.1
6	☐	200.000	202.137	681858.69	1.1443	P	1.3	1.1
7	☐	1.000						

y = 0.0057 * x + 9.3353E-005
R = 0.9997
DL = 0.01647 ppb
BEC = 0.01649 ppb

Weight: <None>
Min Conc: <None>

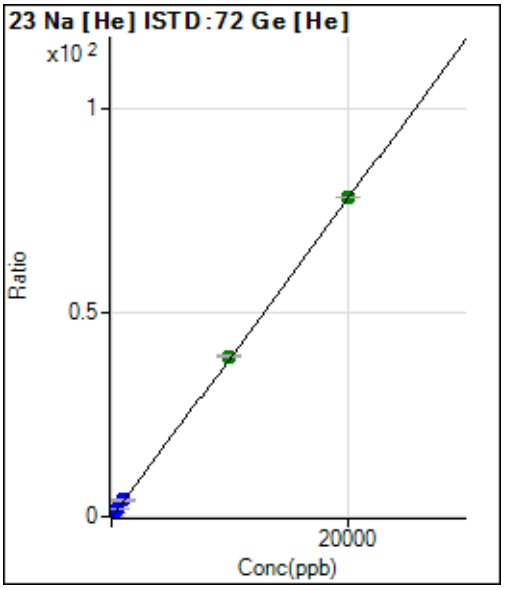
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10018.33	0.0147	P	3.1	
2	☐	10.000	8.546	29023.84	0.0433	P	2.6	-14.5
3	☐	25.000	21.911	58270.37	0.0879	P	1.7	-12.4
4	☐	50.000	44.768	108982.05	0.1641	P	0.4	-10.5
5	☐	500.000	462.877	987985.53	1.5592	P	2.4	-7.4
6	☐	1000.000	1018.915	2034448.98	3.4144	P	2.4	1.9
7	☐	5.000						

y = 0.0033 * x + 0.0147
R = 0.9991
DL = 0.4142 ppb
BEC = 4.421 ppb

Weight: <None>
Min Conc: <None>

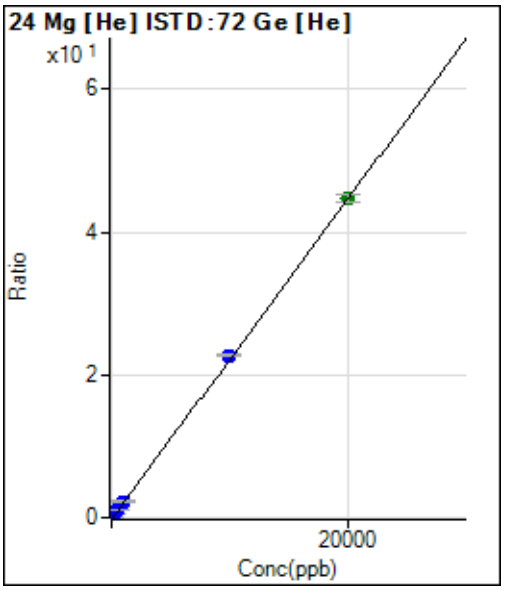


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25982.18	0.1223	P	2.8	
2	☐	200.000	196.908	190989.26	0.8914	P	1.5	-1.5
3	☐	500.000	489.203	440266.31	2.0331	P	0.9	-2.2
4	☐	1000.000	997.189	854845.59	4.0173	P	1.3	-0.3
5	☐	10000.00	10009.52	8308404.25	39.2194	A	1.4	0.1
6	☐	20000.00	19995.67	16431451.01	78.2251	A	0.5	0.0
7	☐	100.000						

y = 0.0039 * x + 0.1223
R = 1.0000
DL = 2.644 ppb
BEC = 31.3 ppb

Weight: <None>
Min Conc: <None>

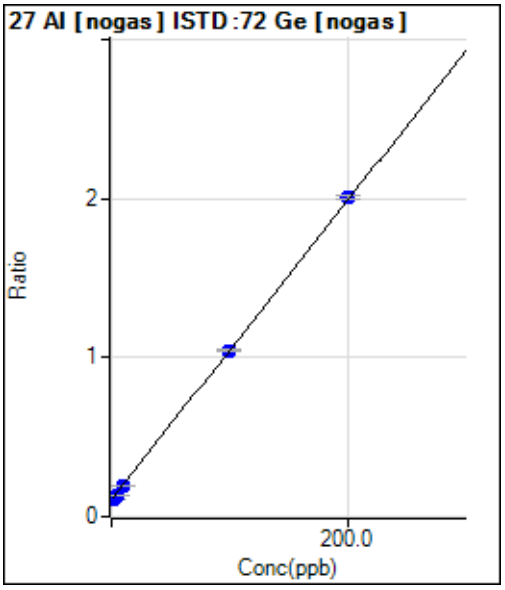
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	703.36	0.0033	P	13.6	
2	☐	200.000	203.288	98433.11	0.4594	P	1.5	1.6
3	☐	500.000	495.255	241341.75	1.1144	P	0.7	-0.9
4	☐	1000.000	1013.048	484325.52	2.2761	P	1.9	1.3
5	☐	10000.00	10103.05	4802280.13	22.6700	P	1.1	1.0
6	☐	20000.00	19947.90	9401779.86	44.7574	A	1.9	-0.3
7	☐	100.000						

y = 0.0022 * x + 0.0033
R = 1.0000
DL = 0.6013 ppb
BEC = 1.477 ppb

Weight: <None>
Min Conc: <None>

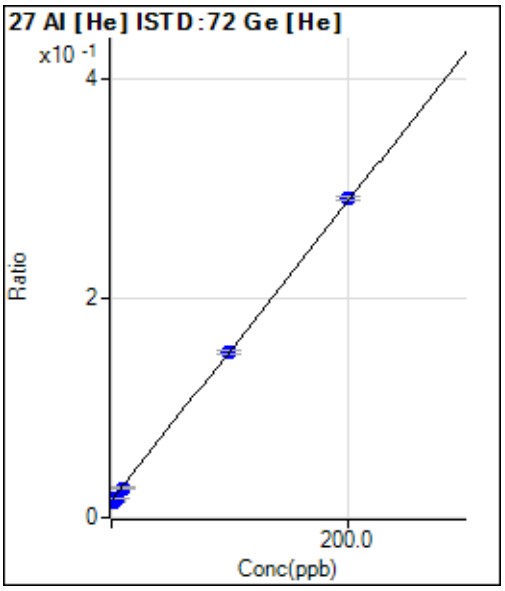


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86720.21	0.1189	P	0.4	
2	☐	2.000	-1.515	76010.82	0.1047	P	0.7	-175.
3	☐	5.000	1.073	93291.67	0.1290	P	1.4	-78.5
4	☐	10.000	8.248	142241.77	0.1965	P	1.9	-17.5
5	☐	100.000	98.578	763814.34	1.0463	P	0.7	-1.4
6	☐	200.000	200.932	1461497.06	2.0091	P	1.0	0.5
7	☐	1.000						

y = 0.0094 * x + 0.1189
R = 0.9999
DL = 0.1604 ppb
BEC = 12.64 ppb

Weight: <None>
Min Conc: <None>

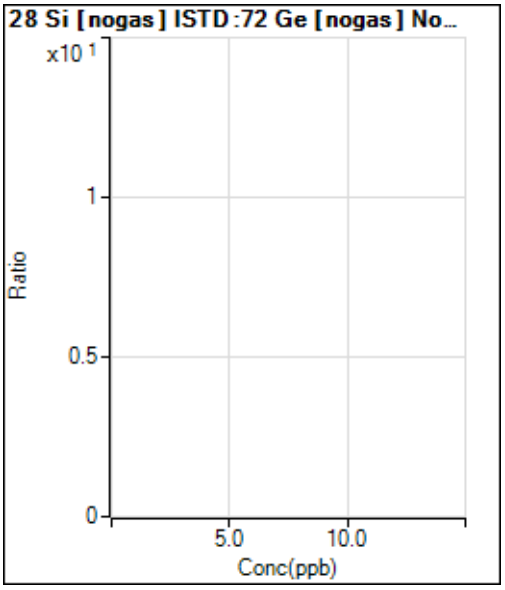
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3690.51	0.0174	P	2.4	
2	☐	2.000	-2.037	3127.05	0.0146	P	5.0	-201.
3	☐	5.000	0.582	3930.58	0.0182	P	2.1	-88.4
4	☐	10.000	6.917	5694.49	0.0268	P	3.5	-30.8
5	☐	100.000	98.333	31993.60	0.1510	P	1.9	-1.7
6	☐	200.000	201.139	61074.44	0.2907	P	1.5	0.6
7	☐	1.000						

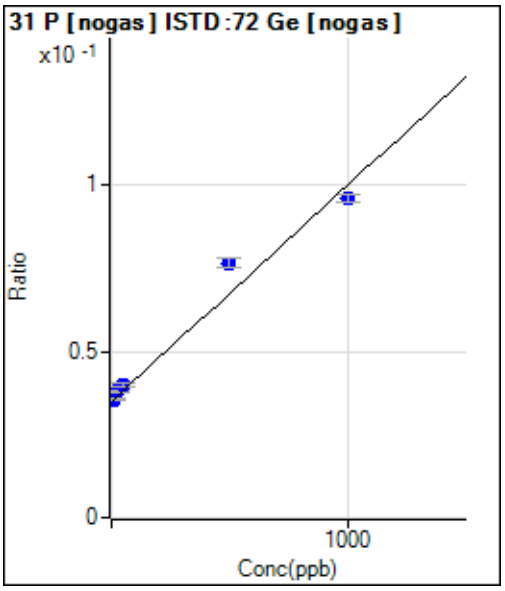
y = 0.0014 * x + 0.0174
R = 0.9998
DL = 0.9182 ppb
BEC = 12.77 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

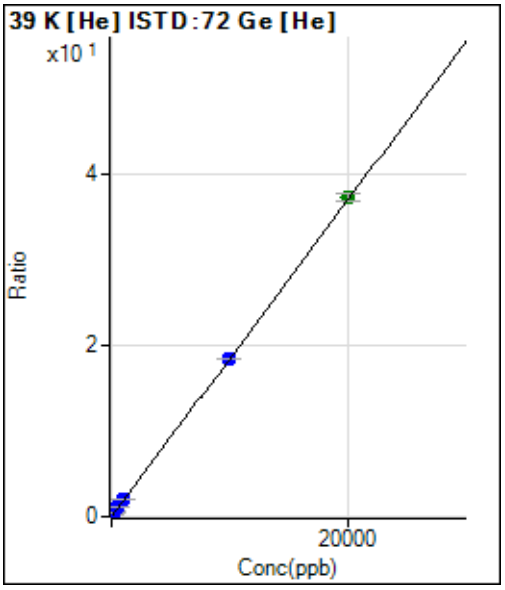
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25895.57	0.0355	P	0.9	
2	☐	10.000	-2.633	25661.85	0.0353	P	1.3	-126.
3	☐	25.000	36.540	27394.88	0.0379	P	1.0	46.2
4	☐	50.000	66.792	28844.41	0.0398	P	3.9	33.6
5	☐	500.000	633.291	55895.55	0.0766	P	3.3	26.7
6	☐	1000.000	932.353	69802.21	0.0960	P	2.5	-6.8
7	☐	5.000						

y = 6.4840E-005 * x + 0.0355
R = 0.9868
DL = 14.93 ppb
BEC = 547.8 ppb

Weight: <None>
Min Conc: <None>

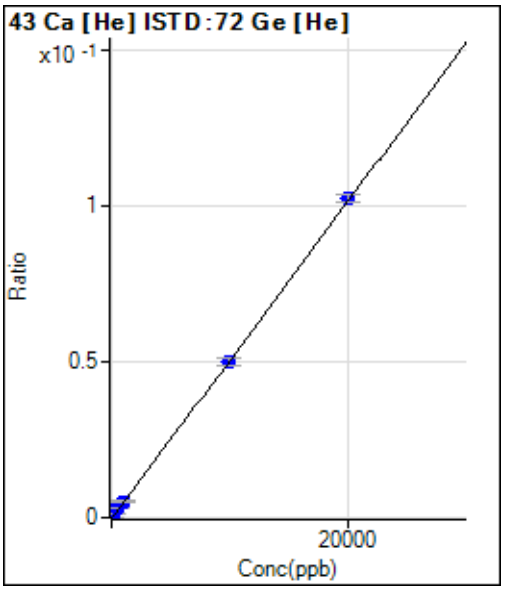


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40831.70	0.1921	P	0.5	
2	☐	200.000	199.364	120197.01	0.5610	P	3.2	-0.3
3	☐	500.000	480.615	234198.51	1.0815	P	1.2	-3.9
4	☐	1000.000	989.525	430532.36	2.0233	P	0.9	-1.0
5	☐	10000.00	9861.436	3906559.21	18.4418	P	1.2	-1.4
6	☐	20000.00	20070.29	7842496.13	37.3344	A	2.0	0.4
7	☐	100.000						

y = 0.0019 * x + 0.1921
R = 1.0000
DL = 1.452 ppb
BEC = 103.8 ppb

Weight: <None>
Min Conc: <None>

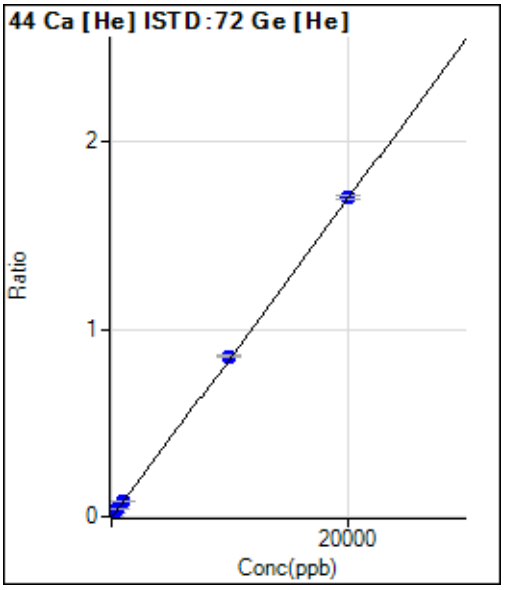
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0001	P	64.2	
2	☐	200.000	238.721	283.34	0.0013	P	18.1	19.4
3	☐	500.000	623.856	710.03	0.0033	P	5.7	24.8
4	☐	1000.000	983.322	1086.73	0.0051	P	10.4	-1.7
5	☐	10000.00	9781.955	10550.53	0.0498	P	5.5	-2.2
6	☐	20000.00	20106.37	21485.44	0.1023	P	2.5	0.5
7	☐	100.000						

y = 5.0818E-006 * x + 1.0930E-004
R = 0.9999
DL = 41.4 ppb
BEC = 21.51 ppb

Weight: <None>
Min Conc: <None>

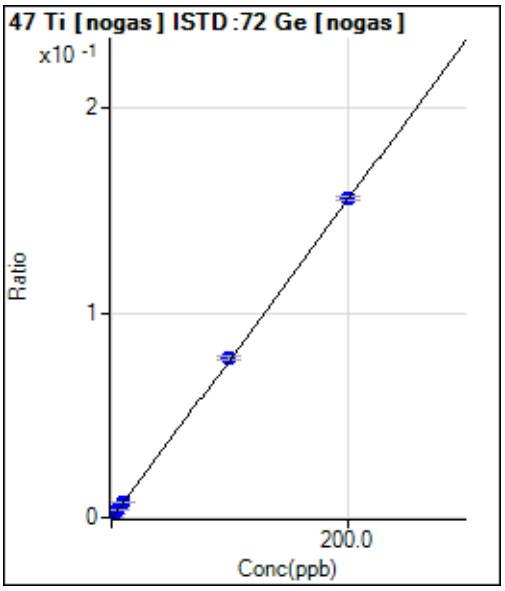


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	443.35	0.0021	P	24.8	
2	☐	200.000	196.868	4037.29	0.0188	P	4.6	-1.6
3	☐	500.000	490.513	9496.45	0.0438	P	3.0	-1.9
4	☐	1000.000	992.163	18418.13	0.0866	P	1.2	-0.8
5	☐	10000.00	10012.26	181021.14	0.8545	P	0.7	0.1
6	☐	20000.00	19994.52	358007.26	1.7044	P	1.0	0.0
7	☐	100.000						

y = 8.5137E-005 * x + 0.0021
R = 1.0000
DL = 18.19 ppb
BEC = 24.48 ppb

Weight: <None>
Min Conc: <None>

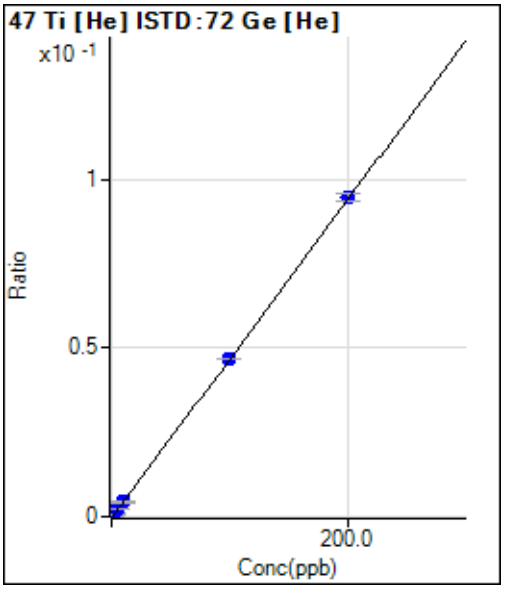
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66.67	0.0001	P	30.9	
2	☐	2.000	2.013	1206.75	0.0017	P	11.5	0.7
3	☐	5.000	5.099	2940.34	0.0041	P	4.8	2.0
4	☐	10.000	9.794	5594.47	0.0077	P	3.9	-2.1
5	☐	100.000	100.025	57020.65	0.0781	P	1.5	0.0
6	☐	200.000	199.995	113546.19	0.1561	P	0.9	0.0
7	☐	1.000						

y = 7.7999E-004 * x + 9.1399E-005
R = 1.0000
DL = 0.1086 ppb
BEC = 0.1172 ppb

Weight: <None>
Min Conc: <None>

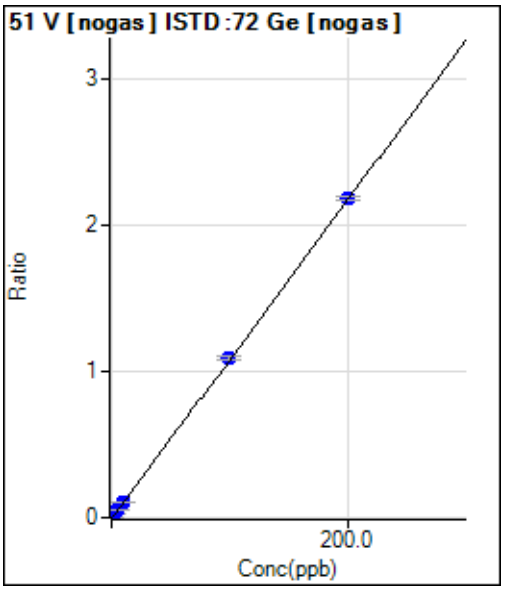


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.33	0.0001	P	115.2	
2	☐	2.000	1.716	186.67	0.0009	P	45.5	-14.2
3	☐	5.000	4.429	466.69	0.0022	P	8.0	-11.4
4	☐	10.000	9.213	940.05	0.0044	P	18.3	-7.9
5	☐	100.000	99.191	9943.45	0.0469	P	0.5	-0.8
6	☐	200.000	200.461	19913.36	0.0948	P	2.7	0.2
7	☐	1.000						

y = 4.7258E-004 * x + 6.2544E-005
R = 1.0000
DL = 0.4573 ppb
BEC = 0.1323 ppb

Weight: <None>
Min Conc: <None>

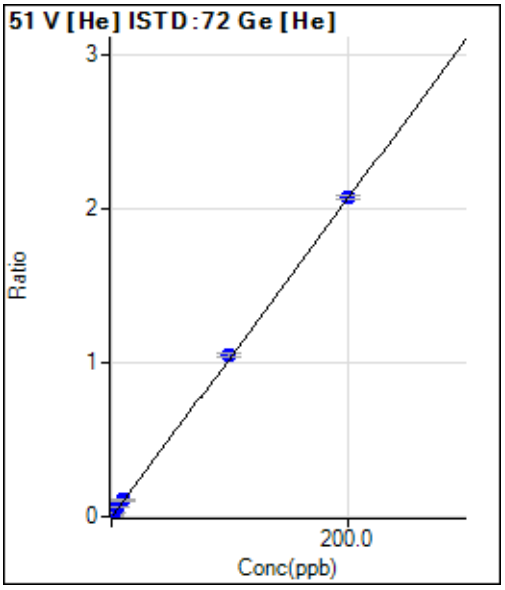
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1404.33	0.0019	P	231.0	
2	☐	2.000	2.076	17802.11	0.0245	P	11.6	3.8
3	☐	5.000	4.955	40421.01	0.0559	P	6.5	-0.9
4	☐	10.000	9.611	77141.66	0.1066	P	3.2	-3.9
5	☐	100.000	100.167	798097.89	1.0932	P	1.9	0.2
6	☐	200.000	199.936	1585863.09	2.1801	P	1.6	0.0
7	☐	1.000						

y = 0.0109 * x + 0.0019
R = 1.0000
DL = 1.211 ppb
BEC = 0.1747 ppb

Weight: <None>
Min Conc: <None>

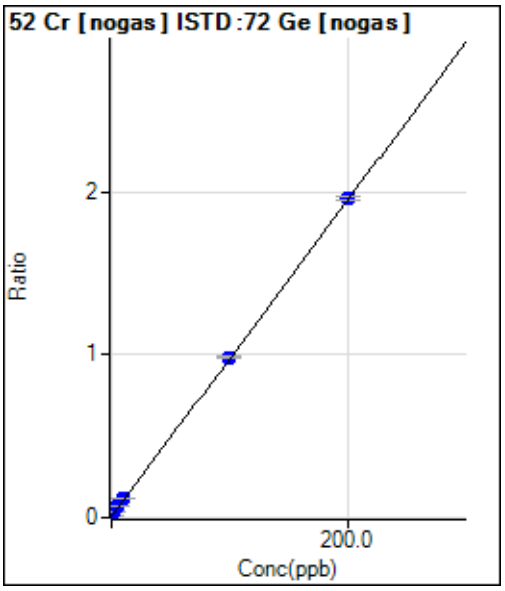


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1469.15	0.0069	P	24.6	
2	☐	2.000	1.829	5542.47	0.0259	P	8.1	-8.5
3	☐	5.000	5.125	12992.03	0.0600	P	4.7	2.5
4	☐	10.000	9.691	22832.08	0.1073	P	6.8	-3.1
5	☐	100.000	100.334	221615.52	1.0463	P	2.5	0.3
6	☐	200.000	199.847	436305.50	2.0771	P	1.5	-0.1
7	☐	1.000						

y = 0.0104 * x + 0.0069
R = 1.0000
DL = 0.4939 ppb
BEC = 0.6685 ppb

Weight: <None>
Min Conc: <None>

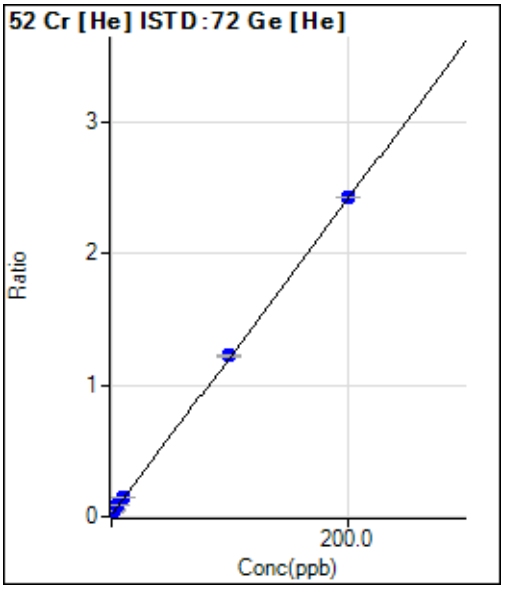
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12552.08	0.0172	P	3.8	
2	☐	2.000	1.994	26563.73	0.0366	P	2.7	-0.3
3	☐	5.000	4.999	47555.09	0.0658	P	2.2	0.0
4	☐	10.000	10.182	84039.81	0.1161	P	1.2	1.8
5	☐	100.000	99.633	719080.98	0.9851	P	0.7	-0.4
6	☐	200.000	200.175	1427061.85	1.9617	P	1.1	0.1
7	☐	1.000						

y = 0.0097 * x + 0.0172
R = 1.0000
DL = 0.2036 ppb
BEC = 1.773 ppb

Weight: <None>
Min Conc: <None>

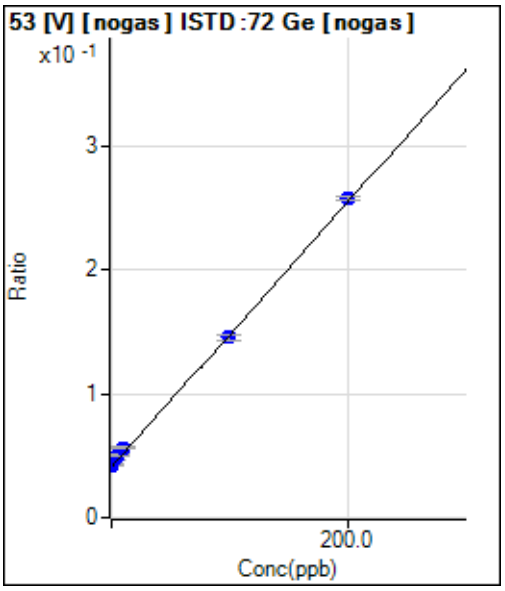


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5414.44	0.0255	P	0.6	
2	☐	2.000	2.128	10937.48	0.0511	P	6.6	6.4
3	☐	5.000	5.174	18985.44	0.0877	P	3.4	3.5
4	☐	10.000	10.301	31777.20	0.1493	P	4.5	3.0
5	☐	100.000	99.635	259128.37	1.2233	P	1.6	-0.4
6	☐	200.000	200.162	510828.38	2.4319	P	0.5	0.1
7	☐	1.000						

y = 0.0120 * x + 0.0255
R = 1.0000
DL = 0.0402 ppb
BEC = 2.119 ppb

Weight: <None>
Min Conc: <None>

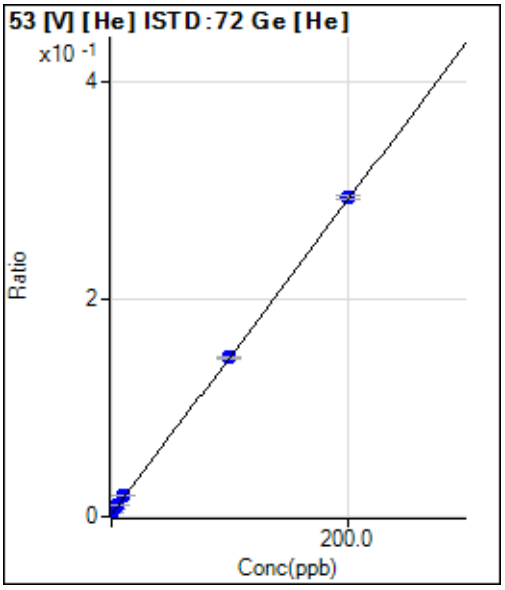
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	31015.48	0.0425	P	2.5	
2	☐	2.000	3.649	33721.49	0.0464	P	2.3	82.4
3	☐	5.000	6.972	36143.65	0.0500	P	3.1	39.4
4	☐	10.000	13.299	41086.05	0.0568	P	1.0	33.0
5	☐	100.000	96.227	106137.53	0.1454	P	3.8	-3.8
6	☐	200.000	201.656	187809.42	0.2582	P	0.7	0.8
7	☐	1.000						

y = 0.0011 * x + 0.0425
R = 0.9996
DL = 3.013 ppb
BEC = 39.79 ppb

Weight: <None>
Min Conc: <None>

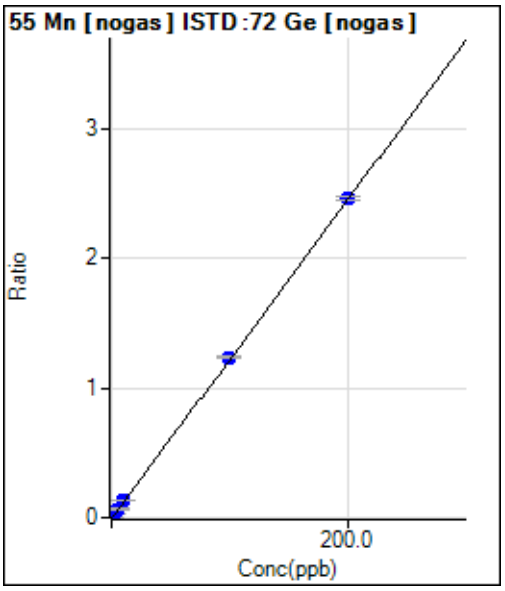


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	793.37	0.0037	P	10.1	
2	☐	2.000	2.482	1566.78	0.0073	P	4.5	24.1
3	☐	5.000	4.539	2226.88	0.0103	P	2.5	-9.2
4	☐	10.000	10.885	4137.33	0.0194	P	8.7	8.9
5	☐	100.000	98.620	30942.10	0.1461	P	1.8	-1.4
6	☐	200.000	200.653	61612.24	0.2933	P	1.3	0.3
7	☐	1.000						

y = 0.0014 * x + 0.0037
R = 0.9999
DL = 0.7868 ppb
BEC = 2.585 ppb

Weight: <None>
Min Conc: <None>

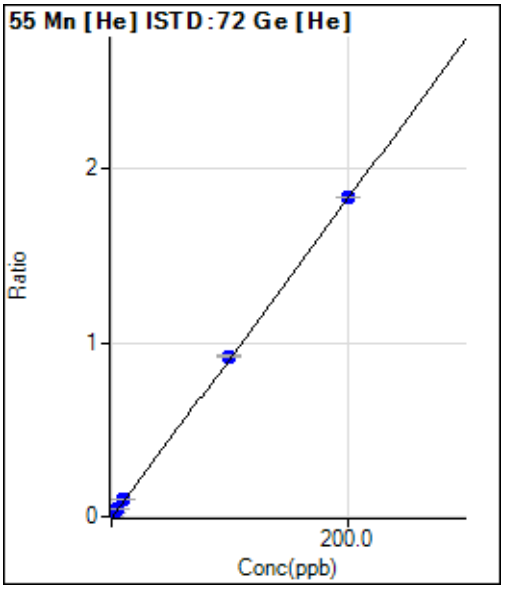
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2943.68	0.0040	P	12.1	
2	☐	2.000	2.024	20994.90	0.0289	P	0.9	1.2
3	☐	5.000	5.093	48184.10	0.0666	P	1.6	1.9
4	☐	10.000	10.095	92707.16	0.1281	P	2.3	1.0
5	☐	100.000	100.111	901063.16	1.2344	P	0.8	0.1
6	☐	200.000	199.937	1790321.22	2.4613	P	1.3	0.0
7	☐	1.000						

y = 0.0123 * x + 0.0040
R = 1.0000
DL = 0.1197 ppb
BEC = 0.3287 ppb

Weight: <None>
Min Conc: <None>

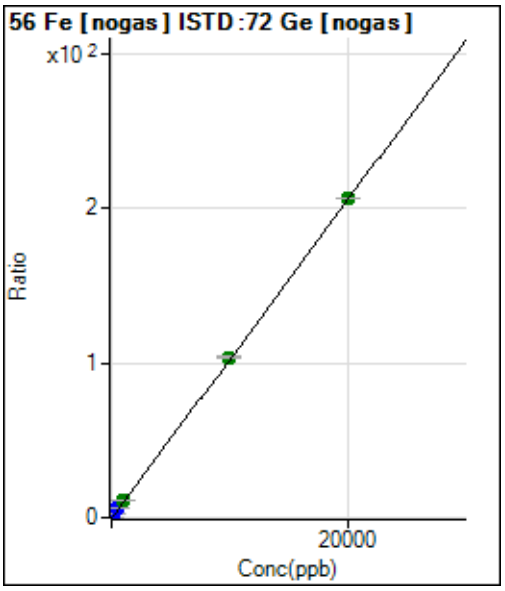


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	173.33	0.0008	P	11.2	
2	☐	2.000	1.978	4070.63	0.0190	P	2.9	-1.1
3	☐	5.000	4.795	9719.97	0.0449	P	1.8	-4.1
4	☐	10.000	10.205	20130.40	0.0946	P	0.6	2.0
5	☐	100.000	100.191	195227.67	0.9216	P	1.1	0.2
6	☐	200.000	199.900	386073.82	1.8380	P	0.6	-0.1
7	☐	1.000						

y = 0.0092 * x + 8.1497E-004
R = 1.0000
DL = 0.02968 ppb
BEC = 0.08868 ppb

Weight: <None>
Min Conc: <None>

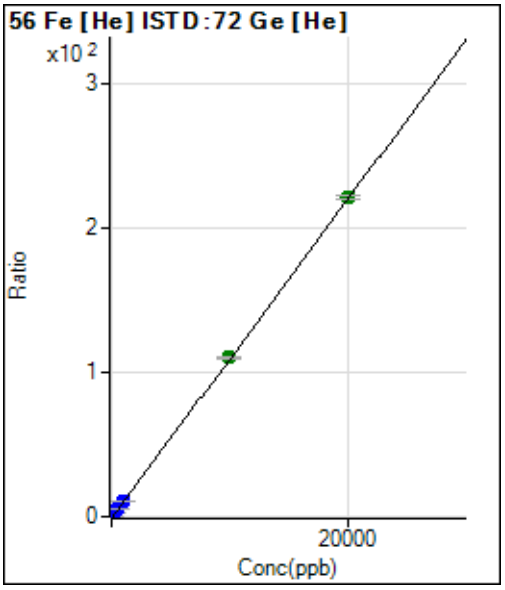
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	324072.30	0.4445	P	2.0	
2	☐	200.000	204.094	1850986.59	2.5495	P	0.2	2.0
3	☐	500.000	520.149	4200284.31	5.8091	P	0.6	4.0
4	☐	1000.000	1037.731	8066490.50	11.1473	A	2.5	3.8
5	☐	10000.00	10003.50	75631497.21	103.616	A	1.5	0.0
6	☐	20000.00	19995.81	150347884.4	206.673	A	0.1	0.0
7	☐	100.000						

y = 0.0103 * x + 0.4445
R = 1.0000
DL = 2.545 ppb
BEC = 43.1 ppb

Weight: <None>
Min Conc: <None>

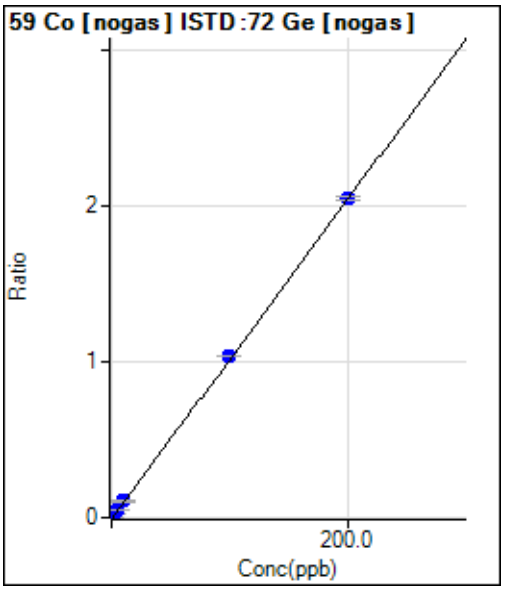


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6584.95	0.0310	P	5.3	
2	☐	200.000	192.985	463636.71	2.1639	P	1.1	-3.5
3	☐	500.000	489.749	1178783.63	5.4437	P	1.4	-2.1
4	☐	1000.000	991.126	2337498.72	10.9849	P	0.6	-0.9
5	☐	10000.00	9951.819	23305417.98	110.018	A	1.2	-0.5
6	☐	20000.00	20024.86	46493314.31	221.345	A	1.5	0.1
7	☐	100.000						

y = 0.0111 * x + 0.0310
R = 1.0000
DL = 0.4486 ppb
BEC = 2.805 ppb

Weight: <None>
Min Conc: <None>

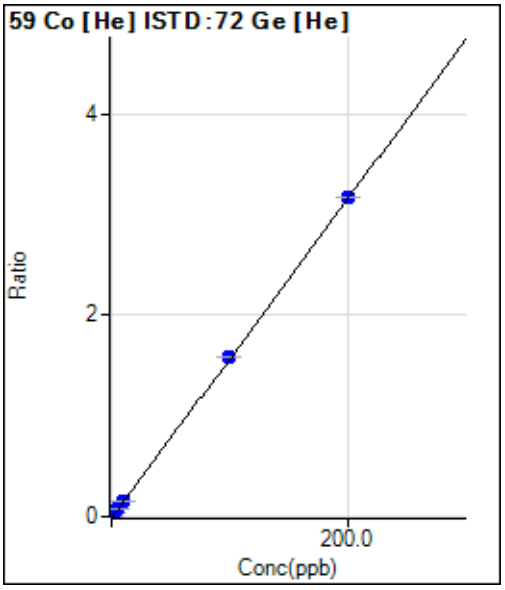
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	136.67	0.0002	P	25.6	
2	☐	2.000	2.007	15094.49	0.0208	P	3.8	0.3
3	☐	5.000	5.092	37935.02	0.0525	P	1.2	1.8
4	☐	10.000	10.281	76534.30	0.1057	P	1.6	2.8
5	☐	100.000	100.930	756612.49	1.0365	P	1.0	0.9
6	☐	200.000	199.519	1490245.71	2.0487	P	1.0	-0.2
7	☐	1.000						

y = 0.0103 * x + 1.8748E-004
R = 1.0000
DL = 0.01405 ppb
BEC = 0.01826 ppb

Weight: <None>
Min Conc: <None>

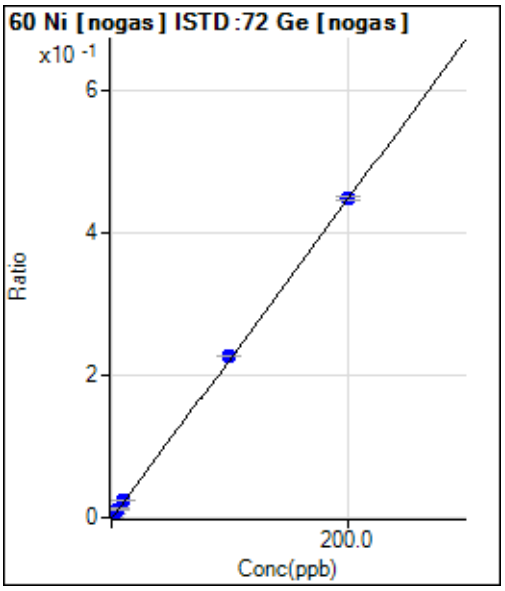


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	26.67	0.0001	P	57.6	
2	☐	2.000	2.015	6871.70	0.0321	P	3.3	0.7
3	☐	5.000	4.954	17039.94	0.0787	P	4.1	-0.9
4	☐	10.000	9.963	33651.22	0.1581	P	2.7	-0.4
5	☐	100.000	99.984	335930.80	1.5858	P	1.0	0.0
6	☐	200.000	200.011	666331.16	3.1722	P	0.4	0.0
7	☐	1.000						

y = 0.0159 * x + 1.2598E-004
R = 1.0000
DL = 0.01373 ppb
BEC = 0.007944 ppb

Weight: <None>
Min Conc: <None>

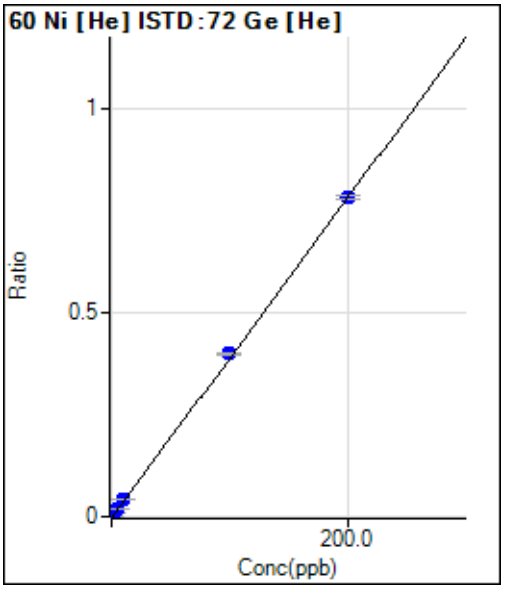
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	310.01	0.0004	P	22.1	
2	☐	2.000	1.971	3527.14	0.0049	P	0.9	-1.4
3	☐	5.000	5.112	8619.29	0.0119	P	4.6	2.2
4	☐	10.000	10.438	17296.94	0.0239	P	1.9	4.4
5	☐	100.000	100.744	165721.60	0.2270	P	0.7	0.7
6	☐	200.000	199.604	326845.80	0.4493	P	1.3	-0.2
7	☐	1.000						

y = 0.0022 * x + 4.2490E-004
R = 1.0000
DL = 0.1251 ppb
BEC = 0.1889 ppb

Weight: <None>
Min Conc: <None>

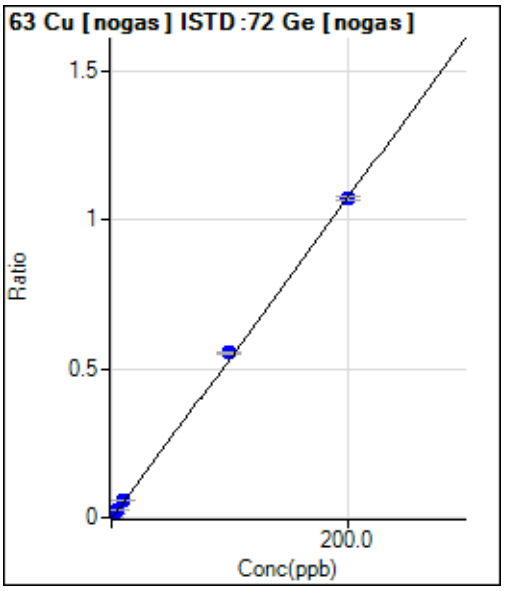


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0004	P	61.3	
2	☐	2.000	2.171	1920.16	0.0090	P	4.4	8.6
3	☐	5.000	4.952	4304.03	0.0199	P	4.7	-1.0
4	☐	10.000	10.577	8929.47	0.0420	P	2.8	5.8
5	☐	100.000	101.472	84499.99	0.3989	P	1.0	1.5
6	☐	200.000	199.235	164408.81	0.7827	P	1.3	-0.4
7	☐	1.000						

y = 0.0039 * x + 4.3655E-004
R = 1.0000
DL = 0.2046 ppb
BEC = 0.1112 ppb

Weight: <None>
Min Conc: <None>

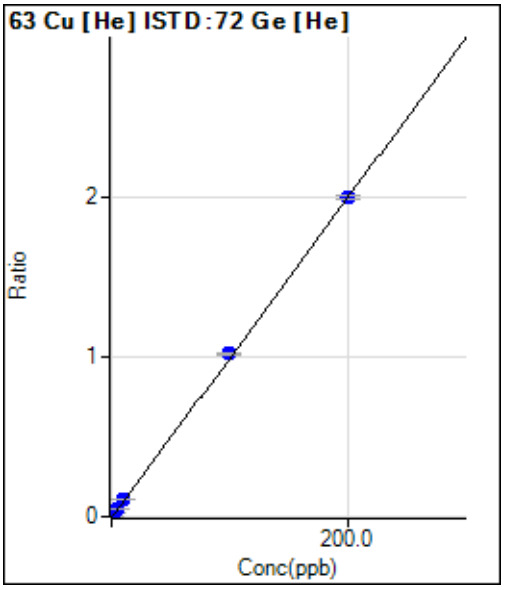
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	840.04	0.0012	P	4.9	
2	☐	2.000	1.990	8622.64	0.0119	P	1.2	-0.5
3	☐	5.000	5.049	20514.26	0.0284	P	2.4	1.0
4	☐	10.000	10.334	41136.66	0.0569	P	2.9	3.3
5	☐	100.000	102.594	404470.30	0.5541	P	0.9	2.6
6	☐	200.000	198.685	779829.23	1.0720	P	1.1	-0.7
7	☐	1.000						

y = 0.0054 * x + 0.0012
R = 0.9999
DL = 0.03164 ppb
BEC = 0.2138 ppb

Weight: <None>
Min Conc: <None>

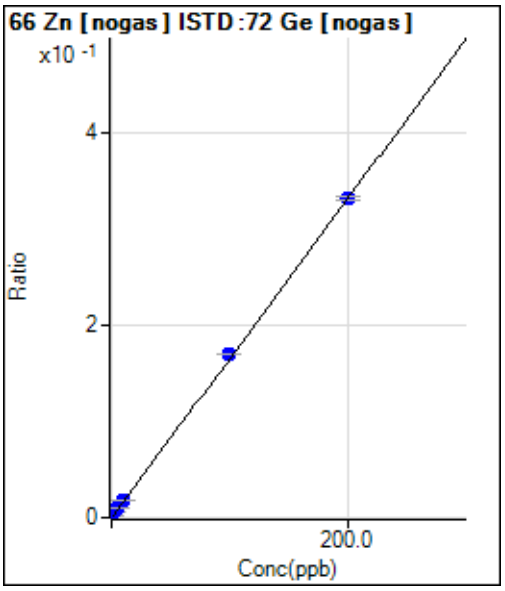


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	390.01	0.0018	P	5.9	
2	☐	2.000	1.973	4630.81	0.0216	P	5.9	-1.3
3	☐	5.000	4.940	11120.99	0.0514	P	4.5	-1.2
4	☐	10.000	10.353	22470.50	0.1056	P	3.0	3.5
5	☐	100.000	101.393	215693.53	1.0182	P	0.7	1.4
6	☐	200.000	199.288	419992.21	1.9995	P	0.9	-0.4
7	☐	1.000						

y = 0.0100 * x + 0.0018
R = 1.0000
DL = 0.03218 ppb
BEC = 0.183 ppb

Weight: <None>
Min Conc: <None>

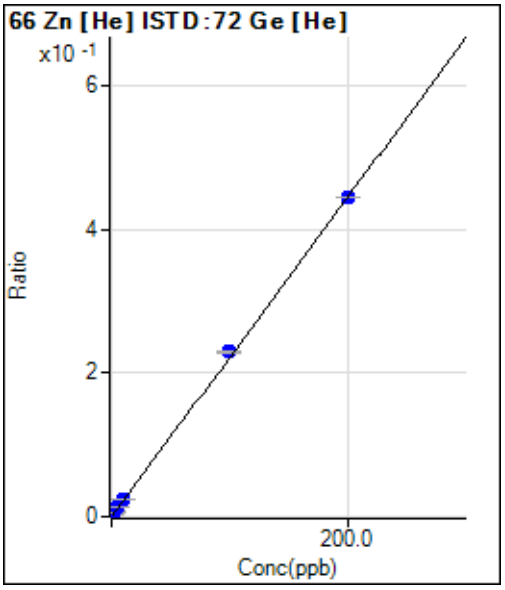
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1043.39	0.0014	P	7.4	
2	☐	2.000	2.285	3790.56	0.0052	P	7.2	14.3
3	☐	5.000	5.409	7515.37	0.0104	P	5.9	8.2
4	☐	10.000	10.381	13492.92	0.0186	P	2.0	3.8
5	☐	100.000	101.510	123902.63	0.1697	P	0.9	1.5
6	☐	200.000	199.213	241277.63	0.3317	P	1.3	-0.4
7	☐	1.000						

y = 0.0017 * x + 0.0014
R = 1.0000
DL = 0.1928 ppb
BEC = 0.8635 ppb

Weight: <None>
Min Conc: <None>

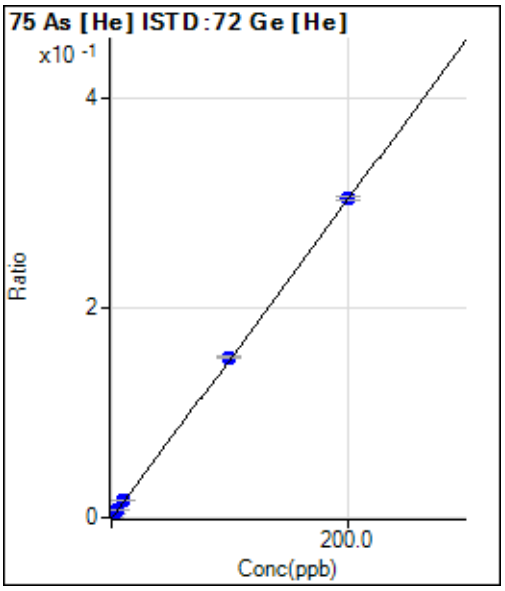


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	440.01	0.0021	P	12.4	
2	☐	2.000	2.035	1413.42	0.0066	P	5.6	1.7
3	☐	5.000	5.157	2933.67	0.0135	P	3.3	3.1
4	☐	10.000	9.547	4960.91	0.0233	P	3.8	-4.5
5	☐	100.000	102.173	48596.00	0.2294	P	1.2	2.2
6	☐	200.000	198.932	93407.08	0.4447	P	0.6	-0.5
7	☐	1.000						

y = 0.0022 * x + 0.0021
R = 0.9999
DL = 0.3471 ppb
BEC = 0.9309 ppb

Weight: <None>
Min Conc: <None>

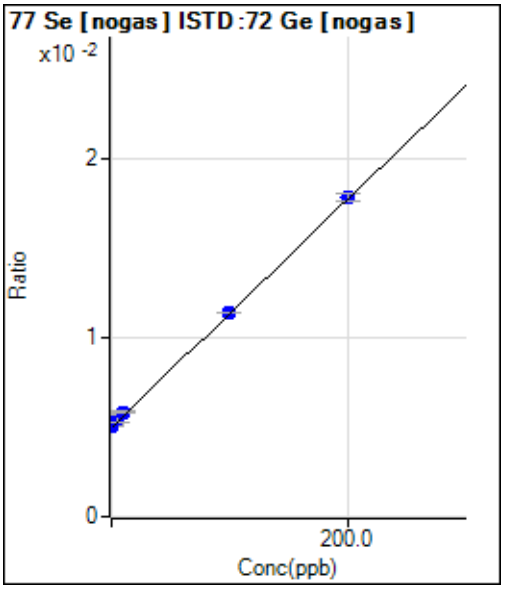
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	126.67	0.0006	P	12.6	
2	☐	2.000	2.146	827.80	0.0039	P	6.5	7.3
3	☐	5.000	4.775	1703.44	0.0079	P	3.5	-4.5
4	☐	10.000	10.257	3449.30	0.0162	P	5.5	2.6
5	☐	100.000	100.121	32417.42	0.1530	P	0.6	0.1
6	☐	200.000	199.931	64059.23	0.3050	P	1.0	0.0
7	☐	1.000						

y = 0.0015 * x + 5.9661E-004
R = 1.0000
DL = 0.1486 ppb
BEC = 0.3919 ppb

Weight: <None>
Min Conc: <None>

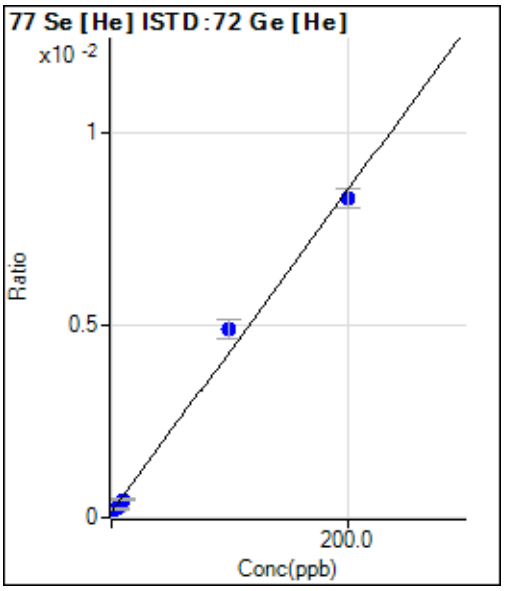


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3713.89	0.0051	P	3.7	
2	☐	2.000	4.839	3920.61	0.0054	P	3.7	142.0
3	☐	5.000	5.756	3943.95	0.0055	P	8.1	15.1
4	☐	10.000	11.576	4217.36	0.0058	P	2.4	15.8
5	☐	100.000	98.950	8302.48	0.0114	P	0.4	-1.1
6	☐	200.000	200.399	12955.90	0.0178	P	2.0	0.2
7	☐	1.000						

y = 6.3466E-005 * x + 0.0051
R = 0.9999
DL = 8.892 ppb
BEC = 80.25 ppb

Weight: <None>
Min Conc: <None>

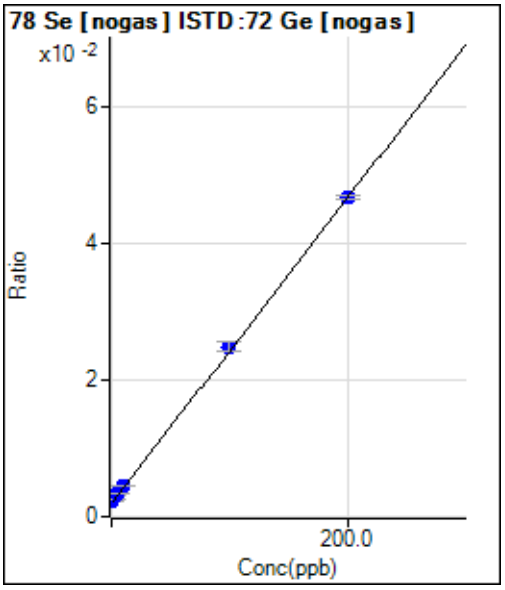
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0002	P	41.8	
2	☐	2.000	0.349	43.33	0.0002	P	34.7	-82.6
3	☐	5.000	1.401	53.33	0.0002	P	21.0	-72.0
4	☐	10.000	6.757	100.00	0.0005	P	17.1	-32.4
5	☐	100.000	112.946	1040.06	0.0049	P	10.3	12.9
6	☐	200.000	193.796	1740.13	0.0083	P	5.5	-3.1
7	☐	1.000						

y = 4.1783E-005 * x + 1.8750E-004
R = 0.9966
DL = 5.626 ppb
BEC = 4.487 ppb

Weight: <None>
Min Conc: <None>

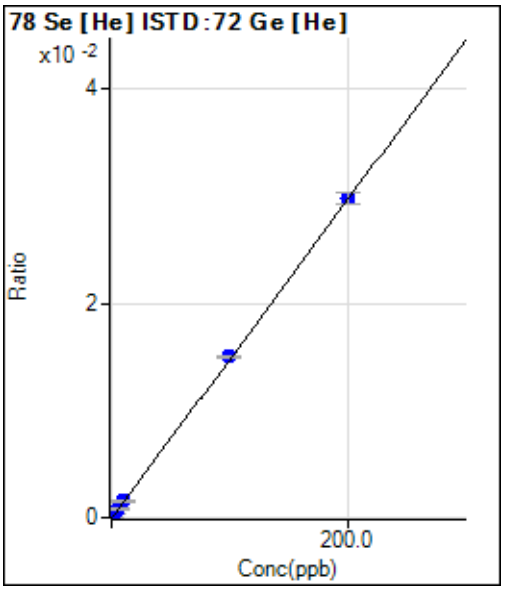


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1573.44	0.0022	P	1.9	
2	☐	2.000	3.018	2056.86	0.0028	P	17.2	50.9
3	☐	5.000	5.632	2470.25	0.0034	P	4.1	12.6
4	☐	10.000	10.993	3340.45	0.0046	P	1.0	9.9
5	☐	100.000	101.597	18151.44	0.0249	P	5.2	1.6
6	☐	200.000	199.126	33959.16	0.0467	P	1.4	-0.4
7	☐	1.000						

y = 2.2357E-004 * x + 0.0022
R = 1.0000
DL = 0.5488 ppb
BEC = 9.653 ppb

Weight: <None>
Min Conc: <None>

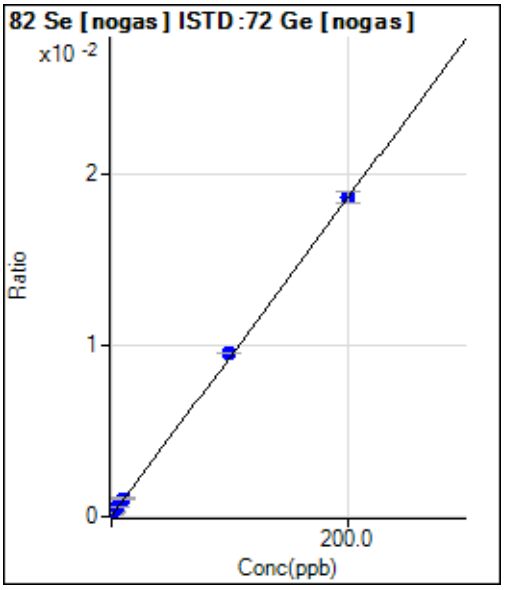
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.67	0.0001	P	78.0	
2	☐	2.000	1.859	72.00	0.0003	P	27.8	-7.0
3	☐	5.000	4.794	167.33	0.0008	P	12.1	-4.1
4	☐	10.000	10.167	334.67	0.0016	P	6.7	1.7
5	☐	100.000	100.504	3181.68	0.0150	P	1.2	0.5
6	☐	200.000	199.746	6257.34	0.0298	P	3.7	-0.1
7	☐	1.000						

y = 1.4884E-004 * x + 5.9583E-005
R = 1.0000
DL = 0.937 ppb
BEC = 0.4003 ppb

Weight: <None>
Min Conc: <None>

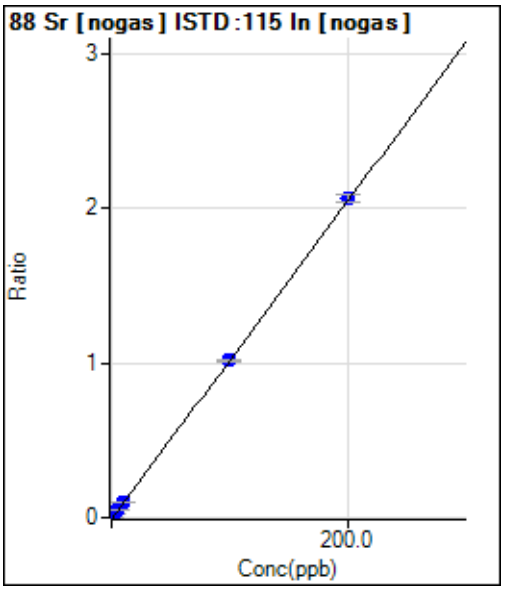


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	90.00	0.0001	P	40.6	
2	☐	2.000	1.877	216.67	0.0003	P	18.8	-6.1
3	☐	5.000	5.006	426.68	0.0006	P	7.8	0.1
4	☐	10.000	10.092	770.04	0.0011	P	10.6	0.9
5	☐	100.000	101.222	6971.77	0.0096	P	0.5	1.2
6	☐	200.000	199.385	13593.13	0.0187	P	3.7	-0.3
7	☐	1.000						

y = 9.3125E-005 * x + 1.2365E-004
R = 1.0000
DL = 1.618 ppb
BEC = 1.328 ppb

Weight: <None>
Min Conc: <None>

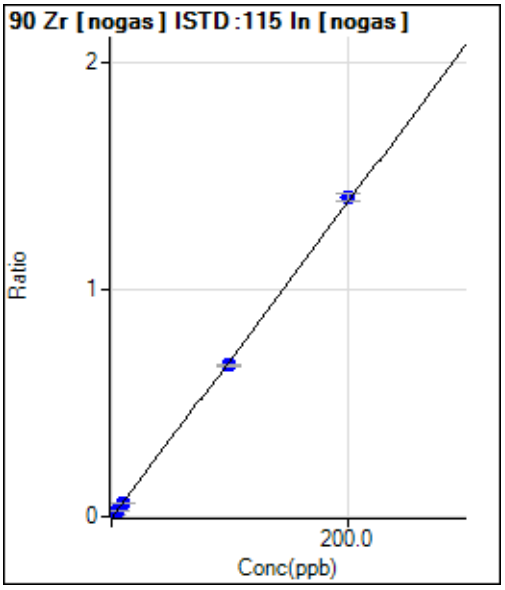
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	456.69	0.0005	P	11.6	
2	☐	2.000	2.041	20187.47	0.0215	P	1.8	2.0
3	☐	5.000	4.870	47921.49	0.0506	P	0.3	-2.6
4	☐	10.000	9.722	94796.81	0.1006	P	0.6	-2.8
5	☐	100.000	98.606	947141.99	1.0161	P	1.0	-1.4
6	☐	200.000	200.714	1901432.42	2.0679	P	1.8	0.4
7	☐	1.000						

y = 0.0103 * x + 4.8252E-004
R = 1.0000
DL = 0.01624 ppb
BEC = 0.04685 ppb

Weight: <None>
Min Conc: <None>

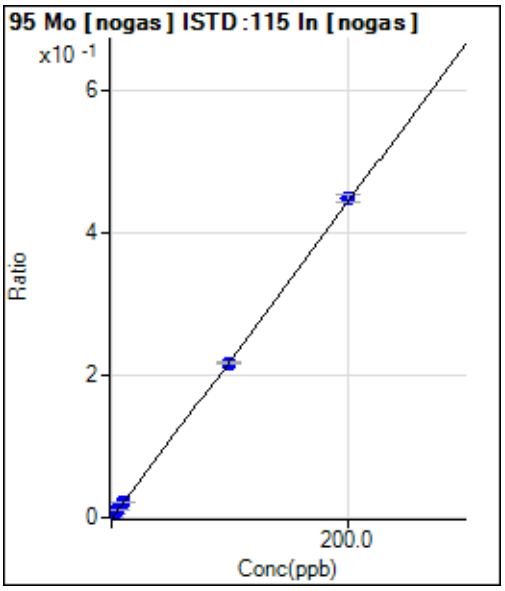


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	890.05	0.0009	P	13.3	
2	☐	2.000	1.238	8962.87	0.0095	P	4.3	-38.1
3	☐	5.000	3.800	25886.37	0.0274	P	2.9	-24.0
4	☐	10.000	8.607	57241.34	0.0608	P	1.3	-13.9
5	☐	100.000	95.806	621647.53	0.6670	P	1.9	-4.2
6	☐	200.000	202.204	1293359.54	1.4066	P	1.9	1.1
7	☐	1.000						

y = 0.0070 * x + 9.3973E-004
R = 0.9997
DL = 0.05408 ppb
BEC = 0.1352 ppb

Weight: <None>
Min Conc: <None>

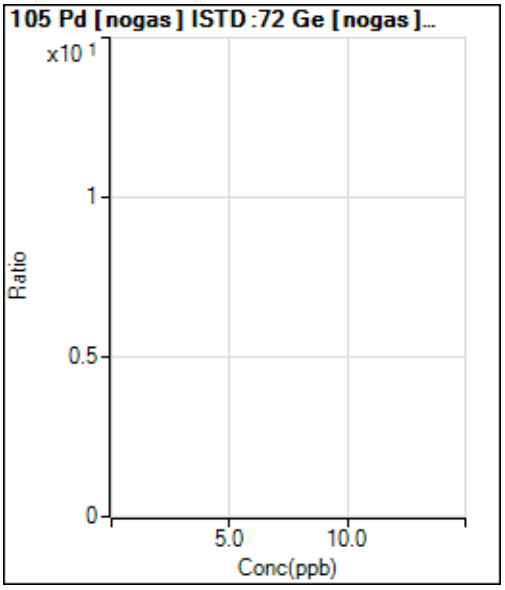
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	180.01	0.0002	P	36.8	
2	☐	2.000	1.899	4150.67	0.0044	P	3.2	-5.0
3	☐	5.000	4.736	10167.03	0.0107	P	1.4	-5.3
4	☐	10.000	9.574	20277.54	0.0215	P	3.6	-4.3
5	☐	100.000	97.160	201980.08	0.2167	P	1.1	-2.8
6	☐	200.000	201.449	412902.36	0.4491	P	2.3	0.7
7	☐	1.000						

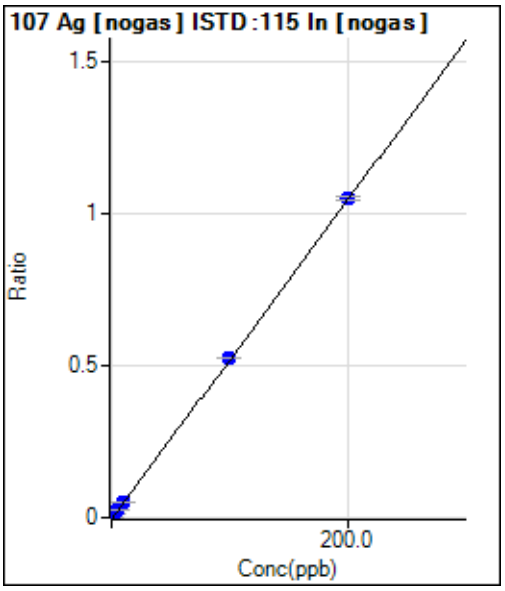
y = 0.0022 * x + 1.9030E-004
R = 0.9999
DL = 0.09426 ppb
BEC = 0.0854 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

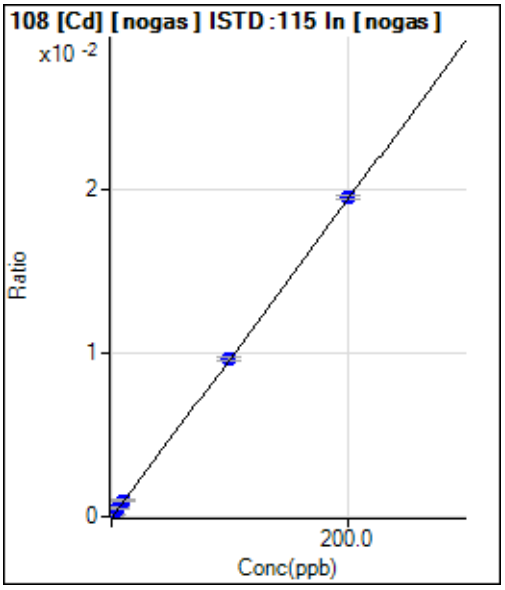
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66.67	0.0001	P	30.8	
2	☐	2.000	2.011	9973.56	0.0106	P	1.9	0.5
3	☐	5.000	4.957	24687.99	0.0261	P	3.0	-0.9
4	☐	10.000	10.068	49849.04	0.0529	P	2.2	0.7
5	☐	100.000	99.928	489017.48	0.5246	P	0.7	-0.1
6	☐	200.000	200.033	965601.24	1.0501	P	1.7	0.0
7	☐	1.000						

y = 0.0052 * x + 7.0360E-005
R = 1.0000
DL = 0.01239 ppb
BEC = 0.0134 ppb

Weight: <None>
Min Conc: <None>

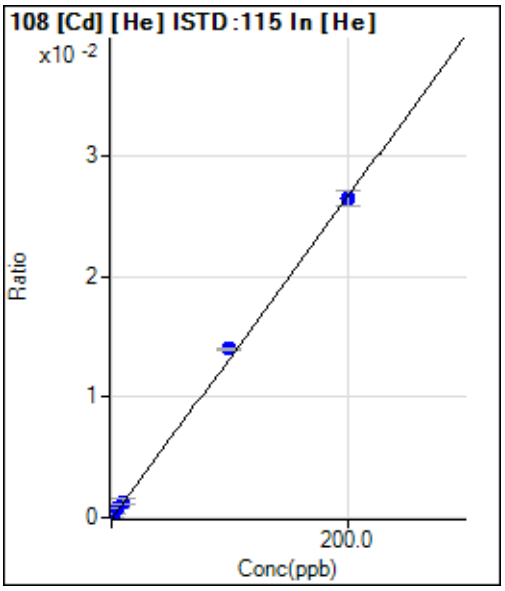


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10.00	0.0000	P	99.7	
2	☐	2.000	1.461	143.33	0.0002	P	15.6	-26.9
3	☐	5.000	5.327	500.02	0.0005	P	8.8	6.5
4	☐	10.000	9.965	923.38	0.0010	P	19.5	-0.3
5	☐	100.000	99.028	8982.94	0.0096	P	1.5	-1.0
6	☐	200.000	200.485	17931.29	0.0195	P	1.4	0.2
7	☐	1.000						

y = 9.7216E-005 * x + 1.0556E-005
R = 1.0000
DL = 0.3247 ppb
BEC = 0.1086 ppb

Weight: <None>
Min Conc: <None>

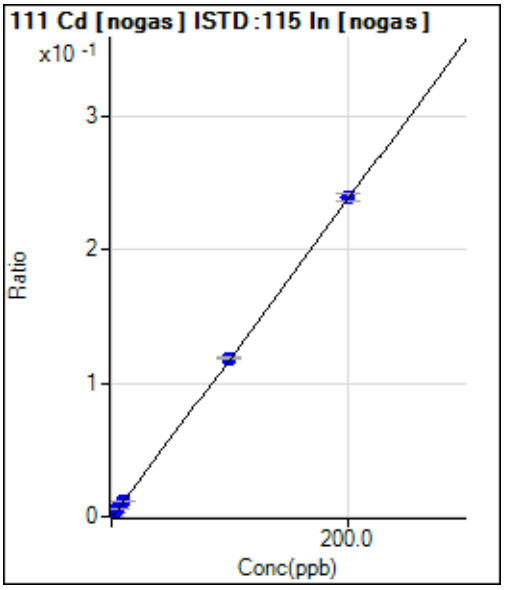
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	2.254	110.00	0.0003	P	35.9	12.7
3	☐	5.000	5.801	280.01	0.0008	P	8.9	16.0
4	☐	10.000	9.700	463.35	0.0013	P	37.9	-3.0
5	☐	100.000	104.299	4864.24	0.0140	P	1.8	4.3
6	☐	200.000	197.843	9062.95	0.0265	P	5.0	-1.1
7	☐	1.000						

y = 1.3415E-004 * x + 9.6386E-006
R = 0.9997
DL = 0.3733 ppb
BEC = 0.07185 ppb

Weight: <None>
Min Conc: <None>

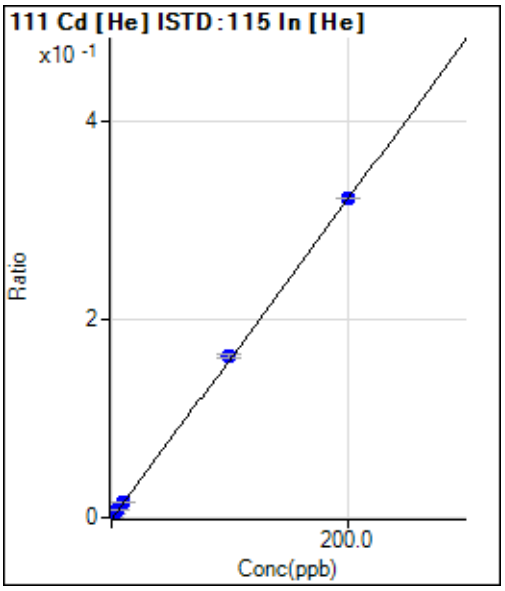


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-0.73	0.0000	P	-3067.	
2	☐	2.000	2.048	2293.12	0.0024	P	7.0	2.4
3	☐	5.000	5.081	5734.95	0.0061	P	7.9	1.6
4	☐	10.000	9.904	11131.17	0.0118	P	1.3	-1.0
5	☐	100.000	99.385	110525.68	0.1186	P	1.4	-0.6
6	☐	200.000	200.310	219743.41	0.2390	P	2.4	0.2
7	☐	1.000						

y = 0.0012 * x - 7.0194E-007
R = 1.0000
DL = 0.05415 ppb
BEC = -0.0005883 ppb

Weight: <None>
Min Conc: <None>

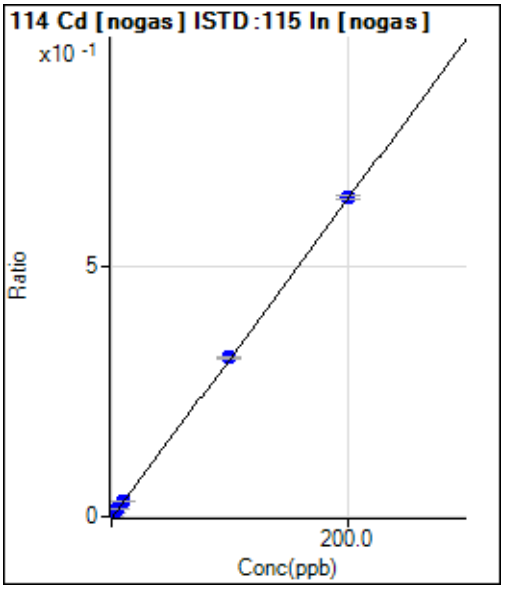
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-3.58	0.0000	P	-173.2	
2	☐	2.000	1.953	1108.71	0.0032	P	8.5	-2.4
3	☐	5.000	4.860	2789.93	0.0079	P	6.9	-2.8
4	☐	10.000	9.975	5720.95	0.0161	P	3.8	-0.2
5	☐	100.000	100.809	56672.60	0.1632	P	2.1	0.8
6	☐	200.000	199.601	110268.36	0.3231	P	0.5	-0.2
7	☐	1.000						

y = 0.0016 * x - 1.0342E-005
R = 1.0000
DL = 0.0332 ppb
BEC = -0.00639 ppb

Weight: <None>
Min Conc: <None>

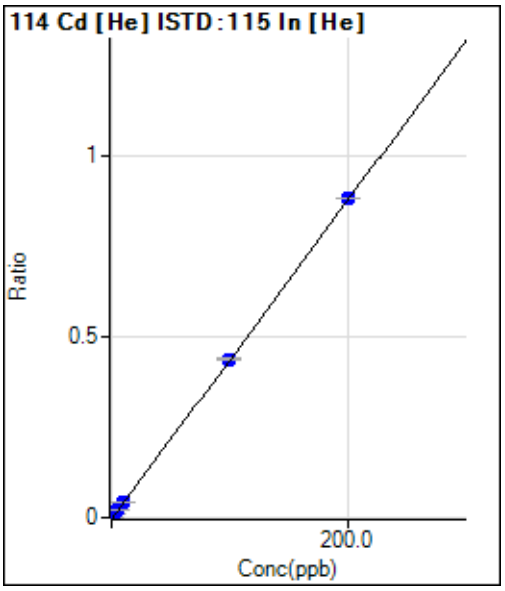


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0001	P	28.4	
2	☐	2.000	1.951	5894.64	0.0063	P	2.2	-2.4
3	☐	5.000	4.907	14857.85	0.0157	P	3.5	-1.9
4	☐	10.000	9.786	29446.81	0.0313	P	1.4	-2.1
5	☐	100.000	99.738	296479.58	0.3181	P	1.4	-0.3
6	☐	200.000	200.145	586895.29	0.6382	P	1.6	0.1
7	☐	1.000						

y = 0.0032 * x + 5.6304E-005
R = 1.0000
DL = 0.01503 ppb
BEC = 0.01766 ppb

Weight: <None>
Min Conc: <None>

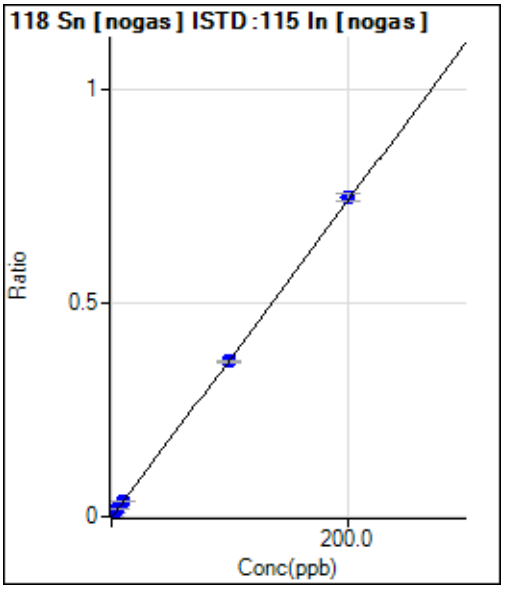
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0001	P	24.3	
2	☐	2.000	1.943	3033.73	0.0086	P	2.0	-2.8
3	☐	5.000	4.853	7608.80	0.0214	P	3.8	-2.9
4	☐	10.000	9.904	15465.17	0.0436	P	1.8	-1.0
5	☐	100.000	99.512	152105.10	0.4379	P	1.5	-0.5
6	☐	200.000	200.253	300739.02	0.8811	P	0.4	0.1
7	☐	1.000						

y = 0.0044 * x + 6.7146E-005
R = 1.0000
DL = 0.01113 ppb
BEC = 0.01526 ppb

Weight: <None>
Min Conc: <None>

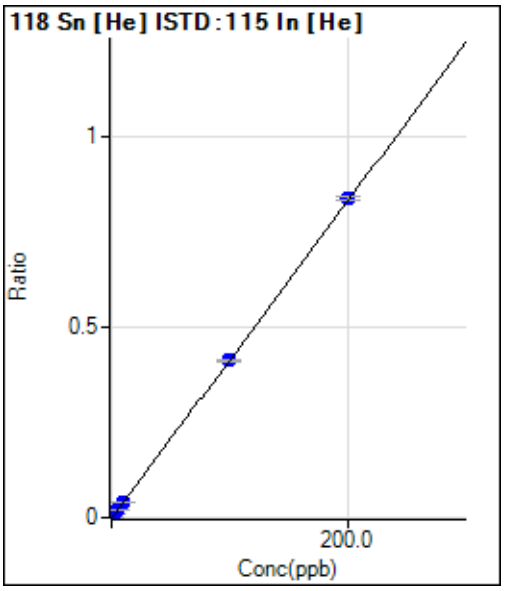


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1490.11	0.0016	P	7.5	
2	☐	2.000	1.786	7702.18	0.0082	P	4.7	-10.7
3	☐	5.000	4.751	18175.17	0.0192	P	4.1	-5.0
4	☐	10.000	9.742	35537.36	0.0377	P	1.8	-2.6
5	☐	100.000	97.482	338680.99	0.3634	P	0.7	-2.5
6	☐	200.000	201.280	688325.90	0.7486	P	2.8	0.6
7	☐	1.000						

y = 0.0037 * x + 0.0016
R = 0.9999
DL = 0.0953 ppb
BEC = 0.424 ppb

Weight: <None>
Min Conc: <None>

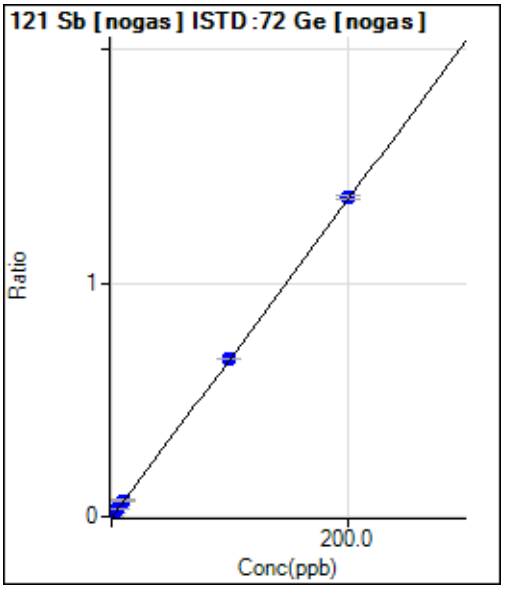
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	626.70	0.0018	P	13.0	
2	☐	2.000	1.920	3447.14	0.0098	P	2.3	-4.0
3	☐	5.000	4.659	7525.45	0.0212	P	3.5	-6.8
4	☐	10.000	9.607	14801.13	0.0418	P	3.3	-3.9
5	☐	100.000	98.731	143298.15	0.4125	P	0.9	-1.3
6	☐	200.000	200.663	285547.15	0.8365	P	1.0	0.3
7	☐	1.000						

y = 0.0042 * x + 0.0018
R = 1.0000
DL = 0.1693 ppb
BEC = 0.4339 ppb

Weight: <None>
Min Conc: <None>

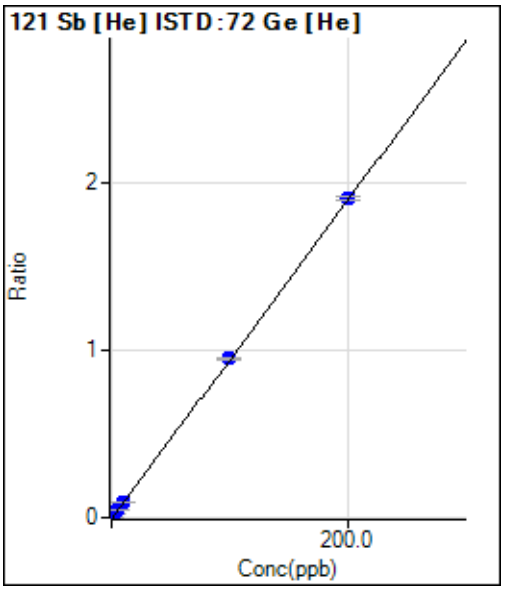


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	803.37	0.0011	P	6.8	
2	☐	2.000	1.906	10223.77	0.0141	P	5.1	-4.7
3	☐	5.000	4.992	25369.26	0.0351	P	2.7	-0.2
4	☐	10.000	10.008	50107.37	0.0692	P	2.9	0.1
5	☐	100.000	98.768	491747.98	0.6736	P	0.6	-1.2
6	☐	200.000	200.617	994494.80	1.3671	P	1.4	0.3
7	☐	1.000						

y = 0.0068 * x + 0.0011
R = 1.0000
DL = 0.03319 ppb
BEC = 0.1618 ppb

Weight: <None>
Min Conc: <None>

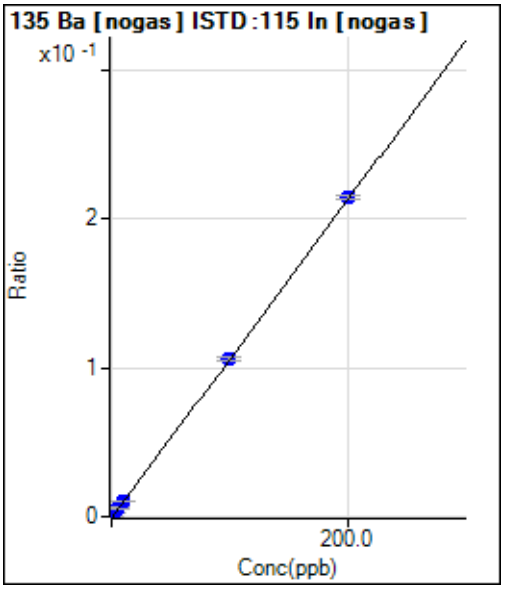
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	300.01	0.0014	P	29.0	
2	☐	2.000	1.978	4330.72	0.0202	P	4.7	-1.1
3	☐	5.000	4.565	9703.41	0.0448	P	3.6	-8.7
4	☐	10.000	9.793	20114.28	0.0945	P	4.6	-2.1
5	☐	100.000	99.619	200916.42	0.9485	P	1.6	-0.4
6	☐	200.000	200.212	400121.46	1.9048	P	1.7	0.1
7	☐	1.000						

y = 0.0095 * x + 0.0014
R = 1.0000
DL = 0.1291 ppb
BEC = 0.1485 ppb

Weight: <None>
Min Conc: <None>

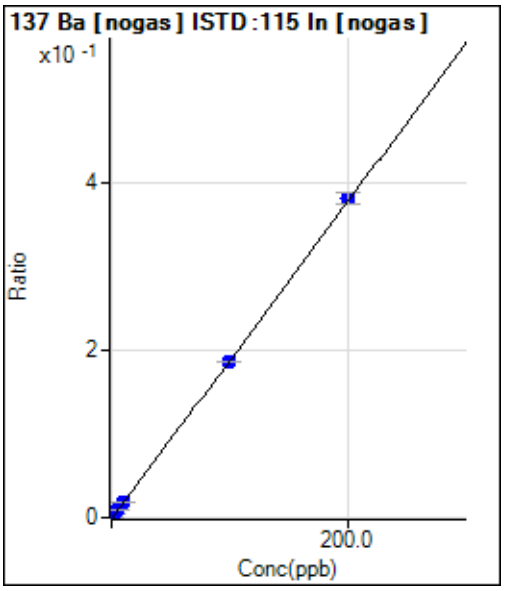


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	76.67	0.0001	P	39.4	
2	☐	2.000	2.058	2140.20	0.0023	P	5.8	2.9
3	☐	5.000	5.088	5221.07	0.0055	P	13.9	1.8
4	☐	10.000	9.733	9870.29	0.0105	P	5.0	-2.7
5	☐	100.000	99.000	98665.68	0.1059	P	2.3	-1.0
6	☐	200.000	200.511	197088.00	0.2143	P	1.6	0.3
7	☐	1.000						

y = 0.0011 * x + 8.0888E-005
R = 1.0000
DL = 0.08957 ppb
BEC = 0.0757 ppb

Weight: <None>
Min Conc: <None>

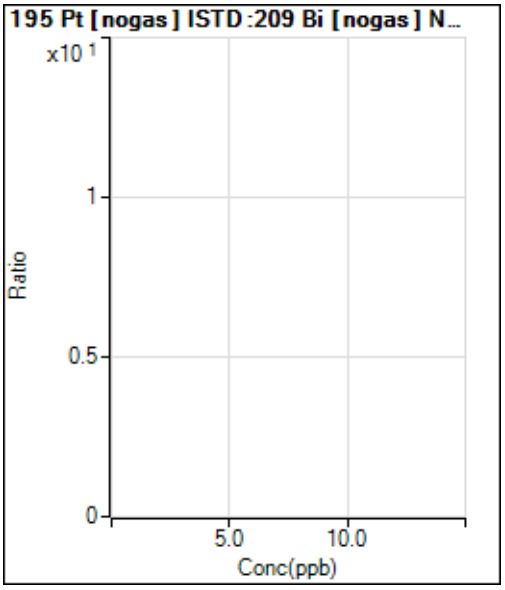
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	230.01	0.0002	P	20.4	
2	☐	2.000	1.911	3633.87	0.0039	P	6.4	-4.5
3	☐	5.000	4.758	8776.20	0.0093	P	3.8	-4.8
4	☐	10.000	9.568	17334.11	0.0184	P	3.2	-4.3
5	☐	100.000	97.841	173339.62	0.1860	P	0.6	-2.2
6	☐	200.000	201.108	351200.13	0.3820	P	3.2	0.6
7	☐	1.000						

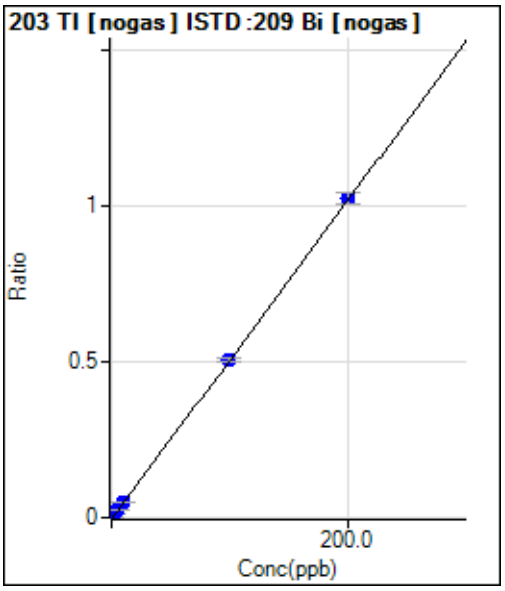
y = 0.0019 * x + 2.4311E-004
R = 0.9999
DL = 0.07841 ppb
BEC = 0.1281 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

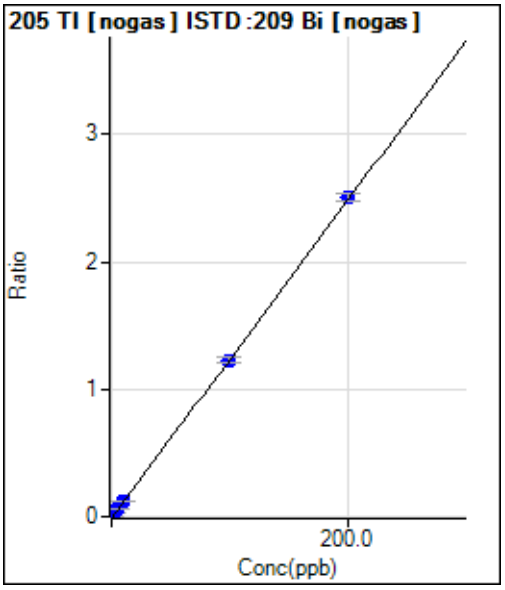
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	113.34	0.0001	P	42.6	
2	☐	2.000	1.901	13053.07	0.0098	P	3.6	-5.0
3	☐	5.000	4.772	32392.17	0.0245	P	1.6	-4.6
4	☐	10.000	9.776	65848.06	0.0501	P	3.5	-2.2
5	☐	100.000	99.382	662410.41	0.5083	P	2.7	-0.6
6	☐	200.000	200.327	1320758.63	1.0244	P	3.5	0.2
7	☐	1.000						

y = 0.0051 * x + 8.5161E-005
R = 1.0000
DL = 0.02131 ppb
BEC = 0.01665 ppb

Weight: <None>
Min Conc: <None>

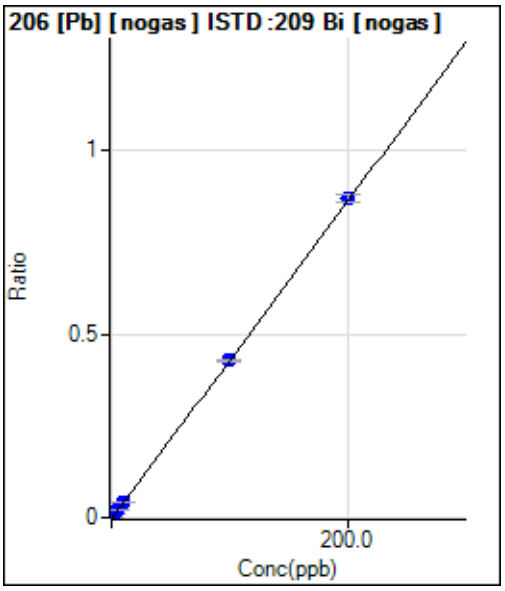


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	273.34	0.0002	P	17.3	
2	☐	2.000	1.874	31433.22	0.0236	P	4.5	-6.3
3	☐	5.000	4.815	79829.92	0.0603	P	1.7	-3.7
4	☐	10.000	9.699	159564.04	0.1213	P	3.1	-3.0
5	☐	100.000	98.421	1602126.75	1.2294	P	3.2	-1.6
6	☐	200.000	200.810	3233855.89	2.5080	P	2.4	0.4
7	☐	1.000						

y = 0.0125 * x + 2.0675E-004
R = 1.0000
DL = 0.008579 ppb
BEC = 0.01655 ppb

Weight: <None>
Min Conc: <None>

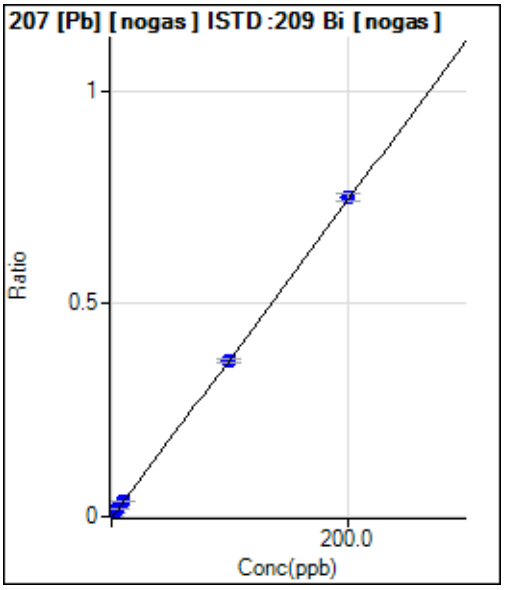
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	336.68	0.0003	P	25.4	
2	☐	2.000	1.928	11468.37	0.0086	P	2.5	-3.6
3	☐	5.000	4.868	28256.34	0.0214	P	0.9	-2.6
4	☐	10.000	9.928	56935.49	0.0433	P	4.4	-0.7
5	☐	100.000	98.574	557266.41	0.4276	P	1.8	-1.4
6	☐	200.000	200.720	1122283.60	0.8704	P	2.2	0.4
7	☐	1.000						

y = 0.0043 * x + 2.5605E-004
R = 1.0000
DL = 0.04504 ppb
BEC = 0.05907 ppb

Weight: <None>
Min Conc: <None>

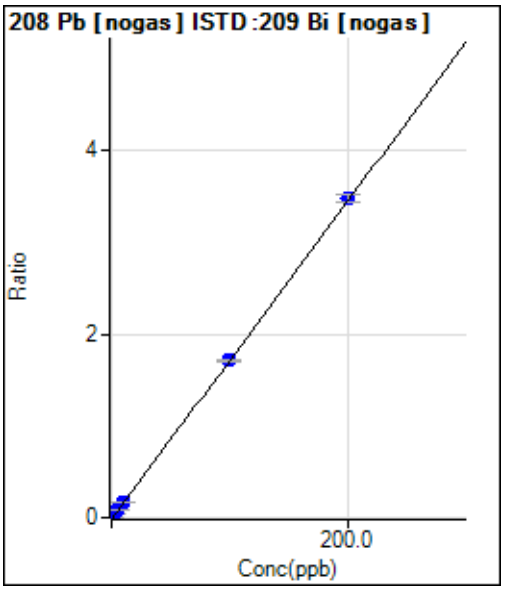


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	280.01	0.0002	P	16.4	
2	☐	2.000	1.959	10013.81	0.0075	P	4.6	-2.1
3	☐	5.000	4.964	24779.54	0.0187	P	2.5	-0.7
4	☐	10.000	9.873	48704.20	0.0370	P	4.6	-1.3
5	☐	100.000	98.319	478283.16	0.3670	P	2.4	-1.7
6	☐	200.000	200.848	966323.81	0.7495	P	2.8	0.4
7	☐	1.000						

y = 0.0037 * x + 2.1173E-004
R = 1.0000
DL = 0.02792 ppb
BEC = 0.05676 ppb

Weight: <None>
Min Conc: <None>

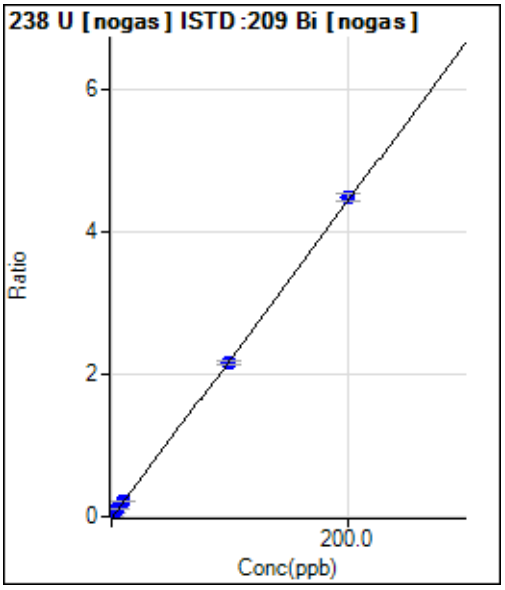
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1300.05	0.0010	P	7.1	
2	☐	2.000	1.932	45874.43	0.0345	P	1.7	-3.4
3	☐	5.000	4.915	113952.05	0.0861	P	2.5	-1.7
4	☐	10.000	9.854	225799.76	0.1717	P	3.4	-1.5
5	☐	100.000	98.551	2226490.07	1.7083	P	2.0	-1.4
6	☐	200.000	200.734	4485392.80	3.4786	P	2.1	0.4
7	☐	1.000						

y = 0.0173 * x + 9.8517E-004
R = 1.0000
DL = 0.01217 ppb
BEC = 0.05687 ppb

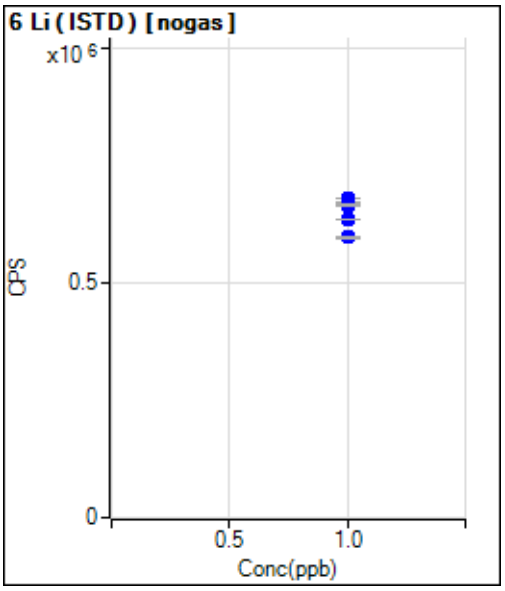
Weight: <None>
Min Conc: <None>



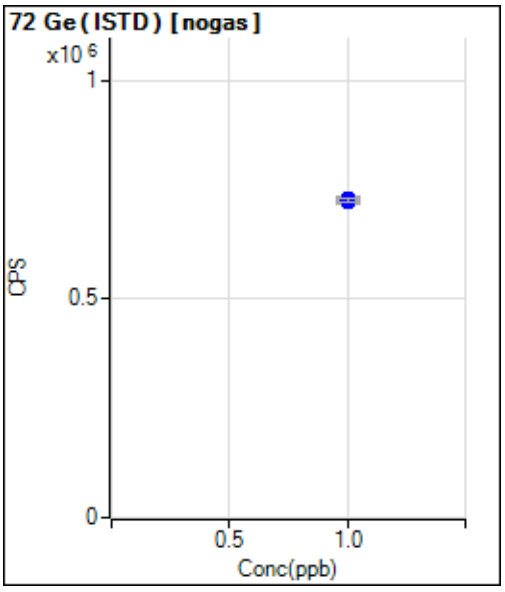
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	400.01	0.0003	P	23.7	
2	☐	2.000	1.835	54698.79	0.0411	P	2.4	-8.3
3	☐	5.000	4.664	137548.10	0.1040	P	2.5	-6.7
4	☐	10.000	9.478	277478.03	0.2110	P	2.3	-5.2
5	☐	100.000	97.244	2817562.25	2.1618	P	1.9	-2.8
6	☐	200.000	201.414	5773185.33	4.4773	P	2.1	0.7
7	☐	1.000						

y = 0.0222 * x + 3.0274E-004
R = 0.9999
DL = 0.009683 ppb
BEC = 0.01362 ppb

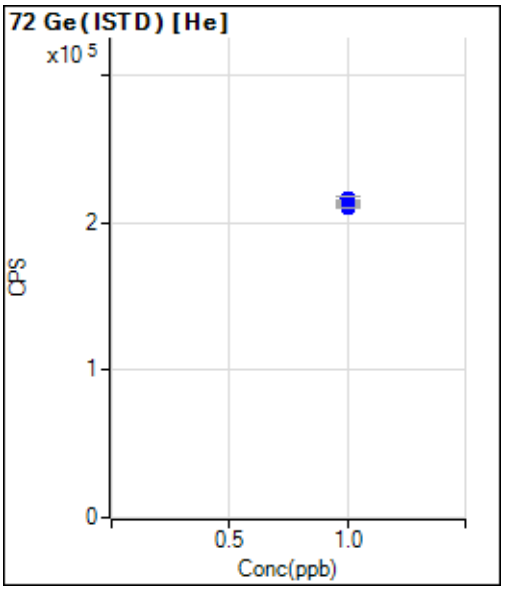
Weight: <None>
Min Conc: <None>



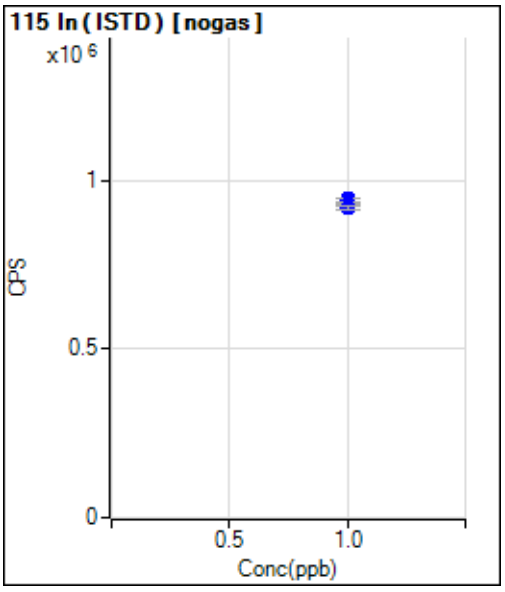
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		679142.08		P	0.6	
2	☐	1.000		670878.48		P	0.1	
3	☐	1.000		663227.64		P	0.3	
4	☐	1.000		664029.91		P	0.5	
5	☐	1.000		633636.11		P	0.4	
6	☐	1.000		595894.85		P	0.7	
7	☐	1.000						



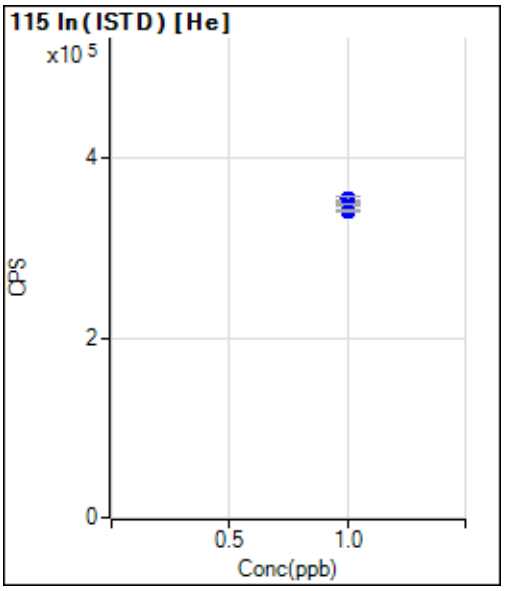
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		729079.52		P	0.8	
2	☐	1.000		726022.07		P	0.3	
3	☐	1.000		723038.61		P	1.4	
4	☐	1.000		723745.67		P	1.1	
5	☐	1.000		729995.77		P	1.4	
6	☐	1.000		727469.31		P	1.3	
7	☐	1.000						



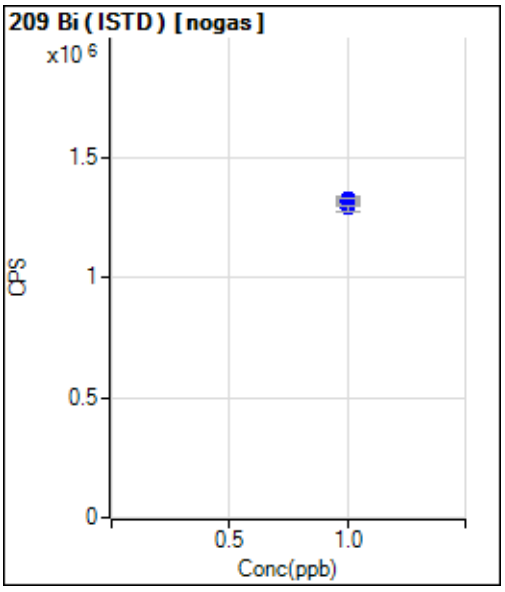
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		212544.33		P	1.5	
2	☐	1.000		214276.38		P	0.9	
3	☐	1.000		216559.06		P	0.9	
4	☐	1.000		212787.92		P	0.4	
5	☐	1.000		211847.50		P	0.9	
6	☐	1.000		210053.80		P	0.3	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		946695.51		P	0.5	
2	☐	1.000		938802.13		P	1.1	
3	☐	1.000		946293.03		P	0.5	
4	☐	1.000		942060.17		P	1.5	
5	☐	1.000		932075.69		P	0.9	
6	☐	1.000		919635.27		P	1.5	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		347275.71		P	0.4	
2	☐	1.000		352075.51		P	0.7	
3	☐	1.000		355272.49		P	0.9	
4	☐	1.000		354463.80		P	1.6	
5	☐	1.000		347393.98		P	0.8	
6	☐	1.000		341337.41		P	0.7	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1320856.13		P	2.7	
2	☐	1.000		1331802.38		P	1.4	
3	☐	1.000		1323104.30		P	1.3	
4	☐	1.000		1315694.61		P	2.3	
5	☐	1.000		1303491.93		P	1.0	
6	☐	1.000		1289731.12		P	1.7	
7	☐	1.000						

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	011CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:31:13-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	63	51.90
B	11	1	nogas	10018	0.04
Al	27	1	nogas	86720	0.00
P	31	1	nogas	25896	0.01
Ti	47	1	nogas	67	46.84
Ni	60	1	nogas	310	7.28
Cu	63	1	nogas	840	0.51
Zn	66	1	nogas	1043	0.65
Se	77	1	nogas	3714	0.11
Se	82	1	nogas	90	44.51
Sr	88	1	nogas	457	2.46
Mo	95	1	nogas	180	20.24
Ag	107	1	nogas	67	46.84
Sn	118	1	nogas	1490	0.52
Sb	121	1	nogas	803	0.85
Ba	137	1	nogas	230	8.66
Tl	205	1	nogas	273	6.74
Pb	208	1	nogas	1300	0.41
Li	7	1	nogas	48442	0.00
Na	23	2	He	25982	0.01
Mg	24	2	He	703	1.72
Al	27	2	He	3691	0.10
K	39	2	He	40832	0.00
Ca	43	2	He	23	280.57
Ca	44	2	He	443	5.72
V	51	2	He	1469	1.59
Cr	52	2	He	5414	0.04
Mn	55	2	He	173	6.93
Fe	56	2	He	6585	0.06
Co	59	2	He	27	214.81
Ni	60	2	He	93	67.26
Cu	63	2	He	390	1.74
Zn	66	2	He	440	2.73
As	75	2	He	127	9.06
Sb	121	2	He	300	9.62
Se	78	2	He	13	614.90

QC ISTD Table

Calibration Blank Report

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Ge	72	1	nogas	729080	0.83
In	115	1	nogas	946696	0.51
Li	6	1	nogas	679142	0.58

Calibration Blank Report

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Bi	209	1	nogas	1320856	2.70
Ge	72	2	He	212544	1.50
In	115	2	He	347276	0.44

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	012CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:33:20-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	6932	0.07
B	11	1	nogas	29024	0.01
Al	27	1	nogas	76011	0.00
P	31	1	nogas	25662	0.01
Ti	47	1	nogas	1207	0.97
Ni	60	1	nogas	3527	0.03
Cu	63	1	nogas	8623	0.01
Zn	66	1	nogas	3791	0.19
Se	77	1	nogas	3921	0.09
Se	82	1	nogas	217	8.61
Sr	88	1	nogas	20187	0.01
Mo	95	1	nogas	4151	0.07
Ag	107	1	nogas	9974	0.01
Cd	111	1	nogas	2293	0.32
Sn	118	1	nogas	7702	0.06
Sb	121	1	nogas	10224	0.05
Ba	137	1	nogas	3634	0.19
Tl	205	1	nogas	31433	0.01
Pb	208	1	nogas	45874	0.00
Na	23	2	He	190989	0.00
Mg	24	2	He	98433	0.00
Al	27	2	He	3127	0.17
K	39	2	He	120197	0.00
Ca	43	2	He	283	6.39
Ca	44	2	He	4037	0.10
V	51	2	He	5542	0.14
Cr	52	2	He	10937	0.05
Mn	55	2	He	4071	0.08
Fe	56	2	He	463637	0.00
Co	59	2	He	6872	0.04
Ni	60	2	He	1920	0.21
Cu	63	2	He	4631	0.13
Zn	66	2	He	1413	0.33
As	75	2	He	828	0.79
Sb	121	2	He	4331	0.11
Se	78	2	He	72	38.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	726022	0.34	729080	99.58	70	120	
In	115	1	nogas	938802	1.13	946696	99.17	70	120	
Li	6	1	nogas	670878	0.14	679142	98.78	70	120	
Bi	209	1	nogas	1331802	1.40	1320856	100.83	70	120	
Ge	72	2	He	214276	0.87	212544	100.81	70	120	
In	115	2	He	352076	0.73	347276	101.38	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	013CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:35:27-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	16846	0.02
B	11	1	nogas	58270	0.00
Al	27	1	nogas	93292	0.00
P	31	1	nogas	27395	0.01
Ti	47	1	nogas	2940	0.12
Ni	60	1	nogas	8619	0.05
Cu	63	1	nogas	20514	0.02
Zn	66	1	nogas	7515	0.06
Se	77	1	nogas	3944	0.17
Se	82	1	nogas	427	2.08
Sr	88	1	nogas	47921	0.00
Mo	95	1	nogas	10167	0.01
Ag	107	1	nogas	24688	0.01
Cd	111	1	nogas	5735	0.13
Sn	118	1	nogas	18175	0.02
Sb	121	1	nogas	25369	0.01
Ba	137	1	nogas	8776	0.04
Tl	205	1	nogas	79830	0.00
Pb	208	1	nogas	113952	0.00
Na	23	2	He	440266	0.00
Mg	24	2	He	241342	0.00
Al	27	2	He	3931	0.05
K	39	2	He	234199	0.00
Ca	43	2	He	710	0.72
Ca	44	2	He	9496	0.04
V	51	2	He	12992	0.03
Cr	52	2	He	18985	0.02
Mn	55	2	He	9720	0.01
Fe	56	2	He	1178784	0.00
Co	59	2	He	17040	0.02
Ni	60	2	He	4304	0.09
Cu	63	2	He	11121	0.04
Zn	66	2	He	2934	0.14
As	75	2	He	1703	0.22
Sb	121	2	He	9703	0.03
Se	78	2	He	167	6.86

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	723039	1.40	729080	99.17	70	120	
In	115	1	nogas	946293	0.48	946696	99.96	70	120	
Li	6	1	nogas	663228	0.33	679142	97.66	70	120	
Bi	209	1	nogas	1323104	1.27	1320856	100.17	70	120	
Ge	72	2	He	216559	0.91	212544	101.89	70	120	
In	115	2	He	355272	0.88	347276	102.30	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/1000
Data File Name	014CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:37:37-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	010_CCB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	34124	0.01
B	11	1	nogas	108982	0.00
Al	27	1	nogas	142242	0.00
P	31	1	nogas	28844	0.02
Ti	47	1	nogas	5594	0.07
Ni	60	1	nogas	17297	0.01
Cu	63	1	nogas	41137	0.00
Zn	66	1	nogas	13493	0.02
Se	77	1	nogas	4217	0.03
Se	82	1	nogas	770	1.47
Sr	88	1	nogas	94797	0.00
Mo	95	1	nogas	20278	0.02
Ag	107	1	nogas	49849	0.00
Cd	111	1	nogas	11131	0.02
Sn	118	1	nogas	35537	0.00
Sb	121	1	nogas	50107	0.00
Ba	137	1	nogas	17334	0.01
Tl	205	1	nogas	159564	0.00
Pb	208	1	nogas	225800	0.00
Na	23	2	He	854846	0.00
Mg	24	2	He	484326	0.00
Al	27	2	He	5694	0.06
K	39	2	He	430532	0.00
Ca	43	2	He	1087	0.98
Ca	44	2	He	18418	0.01
V	51	2	He	22832	0.03
Cr	52	2	He	31777	0.02
Mn	55	2	He	20130	0.00
Fe	56	2	He	2337499	0.00
Co	59	2	He	33651	0.01
Ni	60	2	He	8929	0.03
Cu	63	2	He	22471	0.01
Zn	66	2	He	4961	0.08
As	75	2	He	3449	0.15
Sb	121	2	He	20114	0.02
Se	78	2	He	335	1.96

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	723746	1.06	727703	99.46	70	120	
In	115	1	nogas	942060	1.52	938620	100.37	70	120	
Li	6	1	nogas	664030	0.49	672423	98.75	70	120	
Bi	209	1	nogas	1315695	2.29	1319929	99.68	70	120	
Ge	72	2	He	212788	0.44	214565	99.17	70	120	
In	115	2	He	354464	1.62	351796	100.76	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	015CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:39:46-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	010_CCB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	343861	0.00
B	11	1	nogas	987986	0.00
Al	27	1	nogas	763814	0.00
P	31	1	nogas	55896	0.01
Ti	47	1	nogas	57021	0.00
Ni	60	1	nogas	165722	0.00
Cu	63	1	nogas	404470	0.00
Zn	66	1	nogas	123903	0.00
Se	77	1	nogas	8302	0.02
Se	82	1	nogas	6972	0.03
Sr	88	1	nogas	947142	0.00
Mo	95	1	nogas	201980	0.00
Ag	107	1	nogas	489017	0.00
Cd	111	1	nogas	110526	0.00
Sn	118	1	nogas	338681	0.00
Sb	121	1	nogas	491748	0.00
Ba	137	1	nogas	173340	0.00
Tl	205	1	nogas	1602127	0.00
Pb	208	1	nogas	2226490	0.00
Na	23	2	He	8308404	0.00
Mg	24	2	He	4802280	0.00
Al	27	2	He	31994	0.01
K	39	2	He	3906559	0.00
Ca	43	2	He	10551	0.04
Ca	44	2	He	181021	0.00
V	51	2	He	221616	0.00
Cr	52	2	He	259128	0.00
Mn	55	2	He	195228	0.00
Fe	56	2	He	23305418	0.00
Co	59	2	He	335931	0.00
Ni	60	2	He	84500	0.00
Cu	63	2	He	215694	0.00
Zn	66	2	He	48596	0.00
As	75	2	He	32417	0.00
Sb	121	2	He	200916	0.00
Se	78	2	He	3182	0.05

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	729996	1.39	727703	100.32	70	120	
In	115	1	nogas	932076	0.86	938620	99.30	70	120	
Li	6	1	nogas	633636	0.36	672423	94.23	70	120	
Bi	209	1	nogas	1303492	1.01	1319929	98.75	70	120	
Ge	72	2	He	211848	0.93	214565	98.73	70	120	
In	115	2	He	347394	0.75	351796	98.75	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	016CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:41:52-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	010_CCB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	nogas	681859	0.00
B	11	1	nogas	2034449	0.00
Al	27	1	nogas	1461497	0.00
P	31	1	nogas	69802	0.00
Ti	47	1	nogas	113546	0.00
Ni	60	1	nogas	326846	0.00
Cu	63	1	nogas	779829	0.00
Zn	66	1	nogas	241278	0.00
Se	77	1	nogas	12956	0.01
Se	82	1	nogas	13593	0.02
Sr	88	1	nogas	1901432	0.00
Mo	95	1	nogas	412902	0.00
Ag	107	1	nogas	965601	0.00
Cd	111	1	nogas	219743	0.00
Sn	118	1	nogas	688326	0.00
Sb	121	1	nogas	994495	0.00
Ba	137	1	nogas	351200	0.00
Tl	205	1	nogas	3233856	0.00
Pb	208	1	nogas	4485393	0.00
Na	23	2	He	16431451	0.00
Mg	24	2	He	9401780	0.00
Al	27	2	He	61074	0.00
K	39	2	He	7842496	0.00
Ca	43	2	He	21485	0.01
Ca	44	2	He	358007	0.00
V	51	2	He	436306	0.00
Cr	52	2	He	510828	0.00
Mn	55	2	He	386074	0.00
Fe	56	2	He	46493314	0.00
Co	59	2	He	666331	0.00
Ni	60	2	He	164409	0.00
Cu	63	2	He	419992	0.00
Zn	66	2	He	93407	0.00
As	75	2	He	64059	0.00
Sb	121	2	He	400121	0.00
Se	78	2	He	6257	0.06

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag

Calibration Standard Report

Ge	72	1	nogas	727469	1.29	727703	99.97	70	120	
In	115	1	nogas	919635	1.45	938620	97.98	70	120	
Li	6	1	nogas	595895	0.73	672423	88.62	70	120	
Bi	209	1	nogas	1289731	1.65	1319929	97.71	70	120	
Ge	72	2	He	210054	0.26	214565	97.90	70	120	
In	115	2	He	341337	0.66	351796	97.03	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICV
Data File Name	018_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:47:42-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	010_CCB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	100.168	1.194	342988	0.70	100	100.2	90	110	
B	11	1	nogas	508.027	3.049	999620	2.63	500	101.6	90	110	
Al	27	1	nogas	99.130	0.947	767600	1.60	100	99.1	90	110	
P	31	1	nogas	645.491	3.033	57167	2.29	500	129.1	90	110	ICV Main CR1 Failed
Ti	47	1	nogas	99.033	1.019	56846	1.97	100	99.0	90	110	
Ni	60	1	nogas	100.932	0.841	167167	1.69	100	100.9	90	110	
Cu	63	1	nogas	100.824	1.007	400247	1.95	100	100.8	90	110	
Zn	66	1	nogas	100.215	0.591	123280	1.54	100	100.2	90	110	
Se	77	1	nogas	94.719	2.185	7552	1.61	100	94.7	90	110	
Se	82	1	nogas	101.415	5.061	7015	5.85	100	101.4	90	110	
Sr	88	1	nogas	99.061	1.256	952451	1.67	100	99.1	90	110	
Mo	95	1	nogas	98.208	1.026	204358	1.11	100	98.2	90	110	
Ag	107	1	nogas	100.714	0.609	493306	0.96	100	100.7	90	110	
Cd	111	1	nogas	99.803	1.221	111093	1.70	100	99.8	90	110	
Sn	118	1	nogas	99.071	1.118	344350	1.16	100	99.1	90	110	
Sb	121	1	nogas	99.472	1.145	498508	2.09	100	99.5	90	110	
Ba	137	1	nogas	99.096	1.983	175668	2.49	100	99.1	90	110	
Tl	205	1	nogas	98.377	3.068	1609295	2.04	100	98.4	90	110	
Pb	208	1	nogas	98.471	3.099	2235496	2.01	100	98.5	90	110	
U	238	1	nogas	97.607	3.358	2841627	2.12	100	97.6	90	110	
Li	7	1	nogas	100.183	0.511	1065689	0.13	100	100.2	90	110	
Ba	135	1	nogas	98.742	2.204	98511	2.66	100	98.7	90	110	
Tl	203	1	nogas	98.333	3.893	658605	2.77	100	98.3	90	110	
Na	23	2	He	9942.121	1.422	8354882	1.40	10000	99.4	90	110	
Mg	24	2	He	10005.748	0.395	4814092	0.38	10000	100.1	90	110	
Al	27	2	He	99.781	1.732	32532	1.56	100	99.8	90	110	
K	39	2	He	9874.950	0.399	3959810	0.27	10000	98.7	90	110	
Ca	43	2	He	9765.361	5.064	10661	5.00	10000	97.7	90	110	
Ca	44	2	He	9921.656	0.211	181614	0.26	10000	99.2	90	110	
V	51	2	He	99.635	1.926	222487	1.85	100	99.6	90	110	
Cr	52	2	He	99.669	0.444	261732	0.32	100	99.7	90	110	
Mn	55	2	He	99.406	1.625	196094	1.51	100	99.4	90	110	
Fe	56	2	He	9970.634	1.230	23634381	1.11	10000	99.7	90	110	
Co	59	2	He	100.231	0.095	340854	0.11	100	100.2	90	110	
Ni	60	2	He	102.352	1.767	86277	1.65	100	102.4	90	110	
Cu	63	2	He	100.513	1.106	216413	1.09	100	100.5	90	110	
Zn	66	2	He	103.411	1.445	49823	1.54	100	103.4	90	110	
As	75	2	He	98.433	1.187	32243	1.07	100	98.4	90	110	
Sb	121	2	He	100.681	1.079	205509	0.96	100	100.7	90	110	
Se	78	2	He	99.618	1.421	3194	1.32	100	99.6	90	110	
Ti	47	2	He	97.785	1.846	9920	1.89	100	97.8	90	110	
Zr	90	1	nogas	96.443	0.297	626351	0.90	100	96.4	90	110	

QC ISTD Table

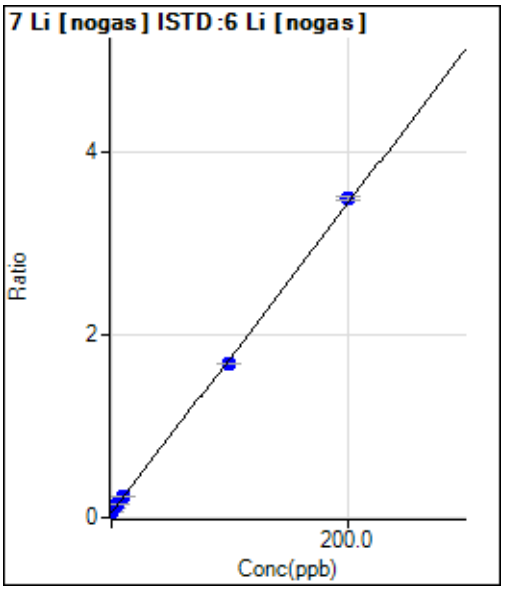
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	734889	0.96	727703	100.99	70	120	
In	115	1	nogas	932910	0.67	938620	99.39	70	120	
Li	6	1	nogas	631469	0.57	672423	93.91	70	120	
Bi	209	1	nogas	1309941	1.38	1319929	99.24	70	120	
Ge	72	2	He	214404	0.12	214565	99.93	70	120	
In	115	2	He	354933	0.61	351796	100.89	70	120	

Calibration for 018_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\070924A.b\
Analysis File: 070924A.batch.bin
DA Date-Time: 7/9/2024 11:13:22 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	011CALB.d	CAL BLK	7/9/2024 10:31:13 AM
2	012CALS.d	2/10/200	7/9/2024 10:33:20 AM
3	013CALS.d	5/25/500	7/9/2024 10:35:27 AM
4	014CALS.d	10/50/1000	7/9/2024 10:37:37 AM
5	015CALS.d	100/500/10K	7/9/2024 10:39:46 AM
6	016CALS.d	200/1000/20K	7/9/2024 10:41:52 AM
7			

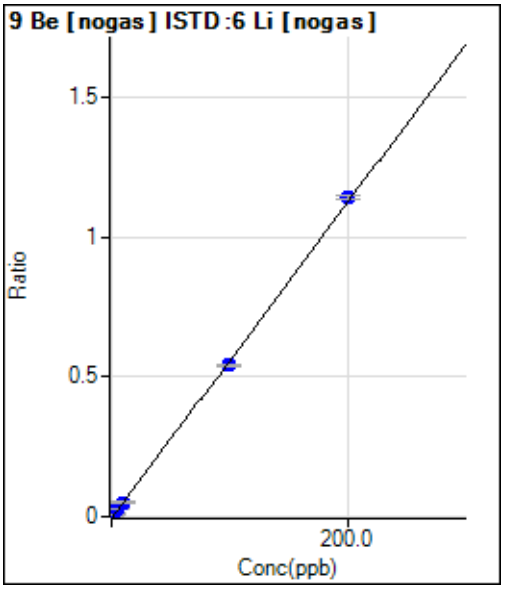
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	48441.58	0.0713	P	1.5	
2	☐	2.000	1.842	68757.34	0.1025	P	1.0	-7.9
3	☐	5.000	4.628	99227.81	0.1496	P	1.3	-7.4
4	☐	10.000	9.261	151374.12	0.2280	P	0.9	-7.4
5	☐	100.000	95.423	1067852.40	1.6853	P	0.5	-4.6
6	☐	200.000	202.336	2081727.36	3.4935	P	0.8	1.2
7	☐	1.000						

y = 0.0169 * x + 0.0713
R = 0.9996
DL = 0.1908 ppb
BEC = 4.217 ppb

Weight: <None>
Min Conc: <None>

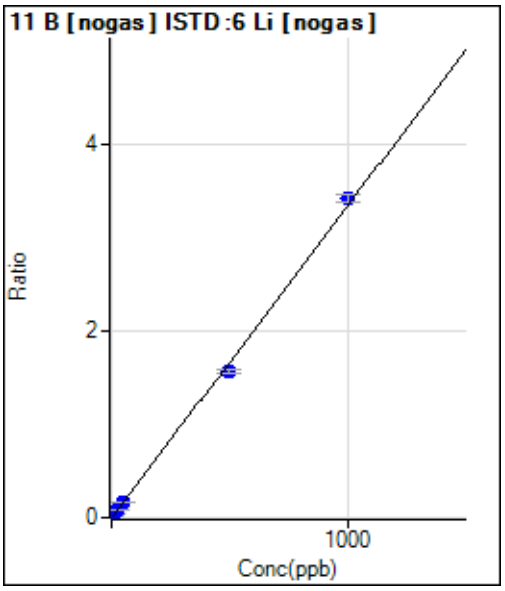


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63.33	0.0001	P	33.3	
2	☐	2.000	1.809	6931.62	0.0103	P	4.7	-9.6
3	☐	5.000	4.470	16845.89	0.0254	P	2.7	-10.6
4	☐	10.000	9.063	34124.10	0.0514	P	4.4	-9.4
5	☐	100.000	95.850	343860.83	0.5427	P	0.9	-4.1
6	☐	200.000	202.137	681858.69	1.1443	P	1.3	1.1
7	☐	1.000						

y = 0.0057 * x + 9.3353E-005
R = 0.9997
DL = 0.01647 ppb
BEC = 0.01649 ppb

Weight: <None>
Min Conc: <None>

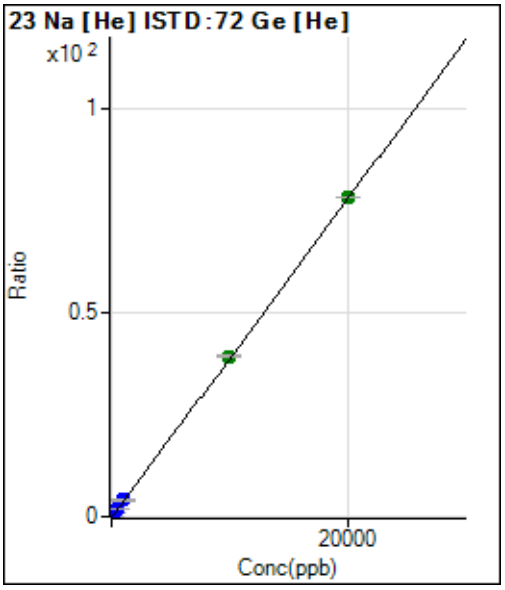
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10018.33	0.0147	P	3.1	
2	☐	10.000	8.546	29023.84	0.0433	P	2.6	-14.5
3	☐	25.000	21.911	58270.37	0.0879	P	1.7	-12.4
4	☐	50.000	44.768	108982.05	0.1641	P	0.4	-10.5
5	☐	500.000	462.877	987985.53	1.5592	P	2.4	-7.4
6	☐	1000.000	1018.915	2034448.98	3.4144	P	2.4	1.9
7	☐	5.000						

y = 0.0033 * x + 0.0147
R = 0.9991
DL = 0.4142 ppb
BEC = 4.421 ppb

Weight: <None>
Min Conc: <None>

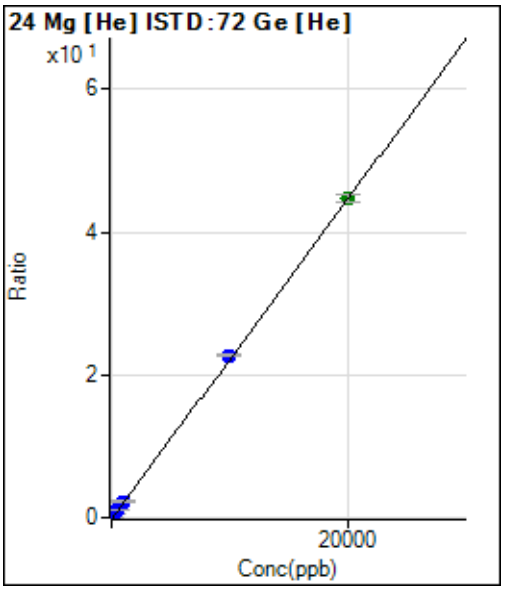


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25982.18	0.1223	P	2.8	
2	☐	200.000	196.908	190989.26	0.8914	P	1.5	-1.5
3	☐	500.000	489.203	440266.31	2.0331	P	0.9	-2.2
4	☐	1000.000	997.189	854845.59	4.0173	P	1.3	-0.3
5	☐	10000.00	10009.52	8308404.25	39.2194	A	1.4	0.1
6	☐	20000.00	19995.67	16431451.01	78.2251	A	0.5	0.0
7	☐	100.000						

y = 0.0039 * x + 0.1223
R = 1.0000
DL = 2.644 ppb
BEC = 31.3 ppb

Weight: <None>
Min Conc: <None>

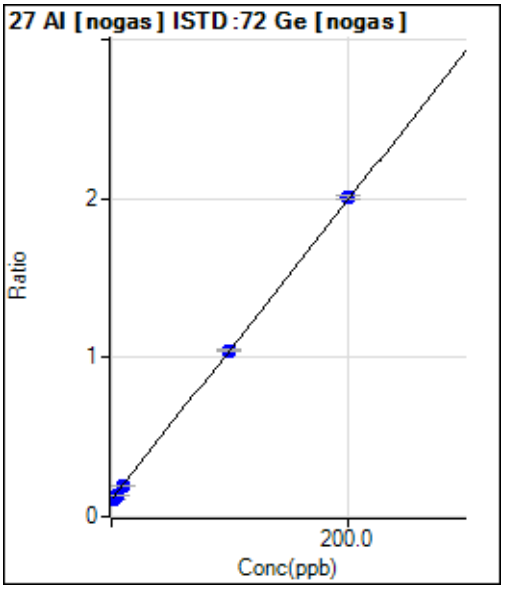
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	703.36	0.0033	P	13.6	
2	☐	200.000	203.288	98433.11	0.4594	P	1.5	1.6
3	☐	500.000	495.255	241341.75	1.1144	P	0.7	-0.9
4	☐	1000.000	1013.048	484325.52	2.2761	P	1.9	1.3
5	☐	10000.00	10103.05	4802280.13	22.6700	P	1.1	1.0
6	☐	20000.00	19947.90	9401779.86	44.7574	A	1.9	-0.3
7	☐	100.000						

y = 0.0022 * x + 0.0033
R = 1.0000
DL = 0.6013 ppb
BEC = 1.477 ppb

Weight: <None>
Min Conc: <None>

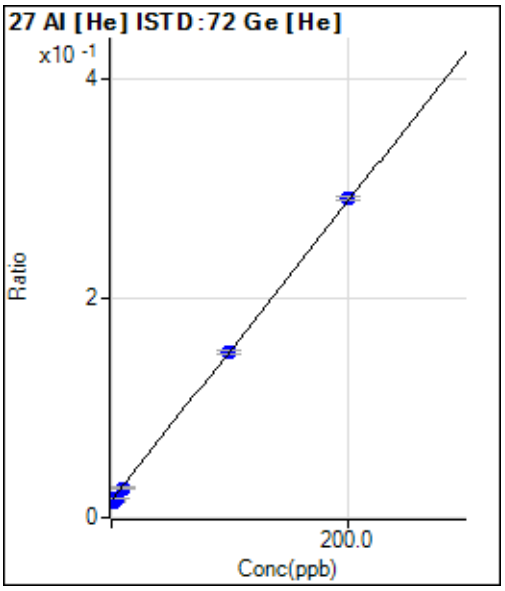


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86720.21	0.1189	P	0.4	
2	☐	2.000	-1.515	76010.82	0.1047	P	0.7	-175.
3	☐	5.000	1.073	93291.67	0.1290	P	1.4	-78.5
4	☐	10.000	8.248	142241.77	0.1965	P	1.9	-17.5
5	☐	100.000	98.578	763814.34	1.0463	P	0.7	-1.4
6	☐	200.000	200.932	1461497.06	2.0091	P	1.0	0.5
7	☐	1.000						

y = 0.0094 * x + 0.1189
R = 0.9999
DL = 0.1604 ppb
BEC = 12.64 ppb

Weight: <None>
Min Conc: <None>

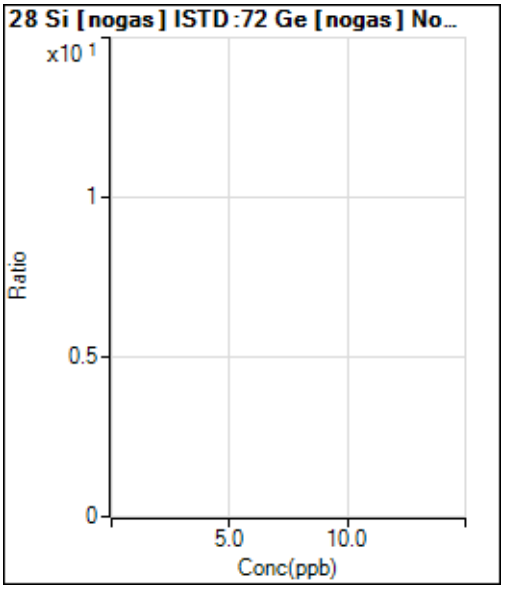
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3690.51	0.0174	P	2.4	
2	☐	2.000	-2.037	3127.05	0.0146	P	5.0	-201.
3	☐	5.000	0.582	3930.58	0.0182	P	2.1	-88.4
4	☐	10.000	6.917	5694.49	0.0268	P	3.5	-30.8
5	☐	100.000	98.333	31993.60	0.1510	P	1.9	-1.7
6	☐	200.000	201.139	61074.44	0.2907	P	1.5	0.6
7	☐	1.000						

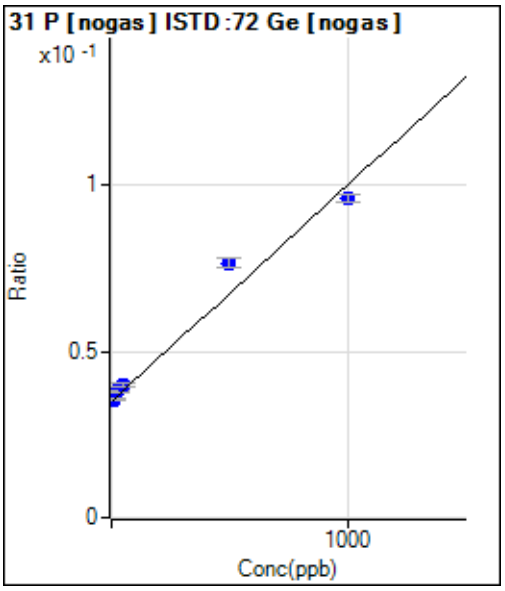
y = 0.0014 * x + 0.0174
R = 0.9998
DL = 0.9182 ppb
BEC = 12.77 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	100.000						
3	☐	250.000						
4	☐	500.000						
5	☐	5000.000						
6	☐	10000.00						
7	☐	50.000						

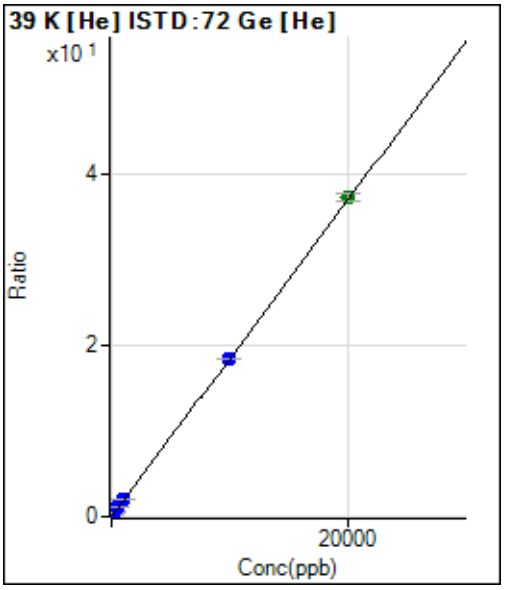
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25895.57	0.0355	P	0.9	
2	☐	10.000	-2.633	25661.85	0.0353	P	1.3	-126.
3	☐	25.000	36.540	27394.88	0.0379	P	1.0	46.2
4	☐	50.000	66.792	28844.41	0.0398	P	3.9	33.6
5	☐	500.000	633.291	55895.55	0.0766	P	3.3	26.7
6	☐	1000.000	932.353	69802.21	0.0960	P	2.5	-6.8
7	☐	5.000						

y = 6.4840E-005 * x + 0.0355
R = 0.9868
DL = 14.93 ppb
BEC = 547.8 ppb

Weight: <None>
Min Conc: <None>

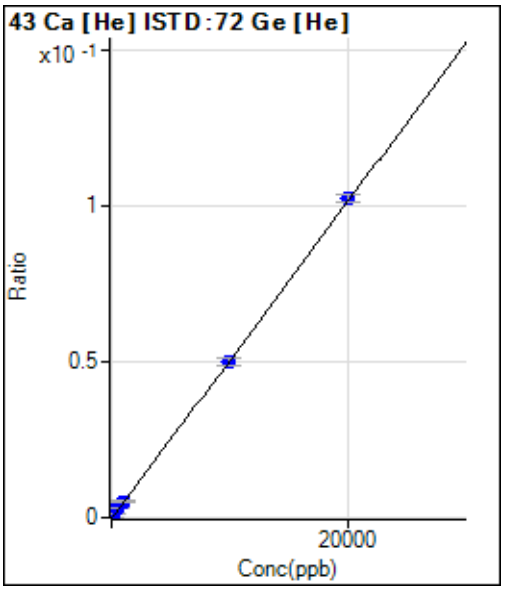


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40831.70	0.1921	P	0.5	
2	☐	200.000	199.364	120197.01	0.5610	P	3.2	-0.3
3	☐	500.000	480.615	234198.51	1.0815	P	1.2	-3.9
4	☐	1000.000	989.525	430532.36	2.0233	P	0.9	-1.0
5	☐	10000.00	9861.436	3906559.21	18.4418	P	1.2	-1.4
6	☐	20000.00	20070.29	7842496.13	37.3344	A	2.0	0.4
7	☐	100.000						

y = 0.0019 * x + 0.1921
R = 1.0000
DL = 1.452 ppb
BEC = 103.8 ppb

Weight: <None>
Min Conc: <None>

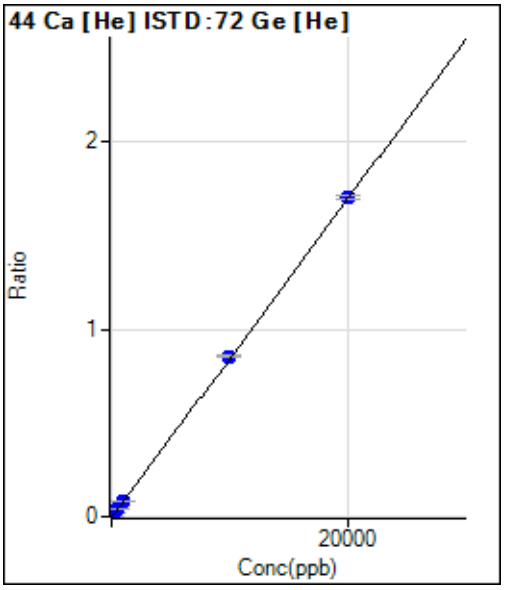
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0001	P	64.2	
2	☐	200.000	238.721	283.34	0.0013	P	18.1	19.4
3	☐	500.000	623.856	710.03	0.0033	P	5.7	24.8
4	☐	1000.000	983.322	1086.73	0.0051	P	10.4	-1.7
5	☐	10000.00	9781.955	10550.53	0.0498	P	5.5	-2.2
6	☐	20000.00	20106.37	21485.44	0.1023	P	2.5	0.5
7	☐	100.000						

y = 5.0818E-006 * x + 1.0930E-004
R = 0.9999
DL = 41.4 ppb
BEC = 21.51 ppb

Weight: <None>
Min Conc: <None>

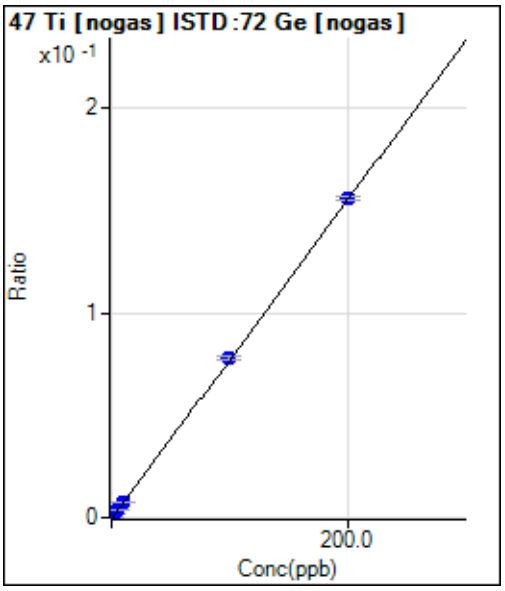


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	443.35	0.0021	P	24.8	
2	☐	200.000	196.868	4037.29	0.0188	P	4.6	-1.6
3	☐	500.000	490.513	9496.45	0.0438	P	3.0	-1.9
4	☐	1000.000	992.163	18418.13	0.0866	P	1.2	-0.8
5	☐	10000.00	10012.26	181021.14	0.8545	P	0.7	0.1
6	☐	20000.00	19994.52	358007.26	1.7044	P	1.0	0.0
7	☐	100.000						

y = 8.5137E-005 * x + 0.0021
R = 1.0000
DL = 18.19 ppb
BEC = 24.48 ppb

Weight: <None>
Min Conc: <None>

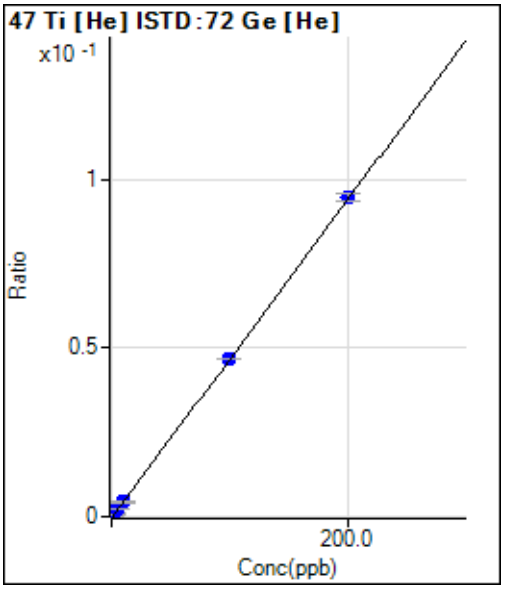
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66.67	0.0001	P	30.9	
2	☐	2.000	2.013	1206.75	0.0017	P	11.5	0.7
3	☐	5.000	5.099	2940.34	0.0041	P	4.8	2.0
4	☐	10.000	9.794	5594.47	0.0077	P	3.9	-2.1
5	☐	100.000	100.025	57020.65	0.0781	P	1.5	0.0
6	☐	200.000	199.995	113546.19	0.1561	P	0.9	0.0
7	☐	1.000						

y = 7.7999E-004 * x + 9.1399E-005
R = 1.0000
DL = 0.1086 ppb
BEC = 0.1172 ppb

Weight: <None>
Min Conc: <None>

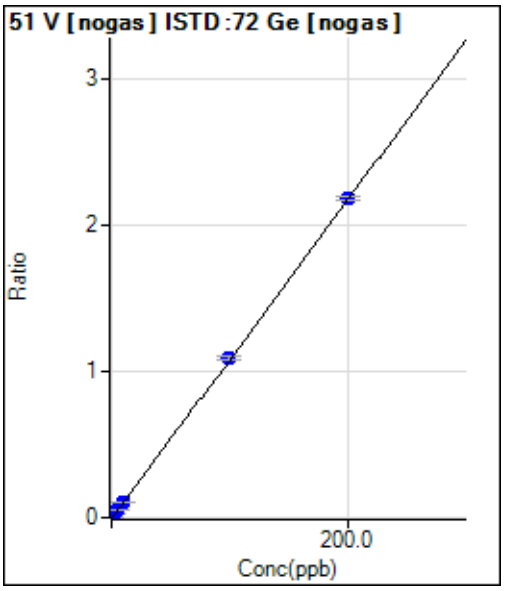


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.33	0.0001	P	115.2	
2	☐	2.000	1.716	186.67	0.0009	P	45.5	-14.2
3	☐	5.000	4.429	466.69	0.0022	P	8.0	-11.4
4	☐	10.000	9.213	940.05	0.0044	P	18.3	-7.9
5	☐	100.000	99.191	9943.45	0.0469	P	0.5	-0.8
6	☐	200.000	200.461	19913.36	0.0948	P	2.7	0.2
7	☐	1.000						

y = 4.7258E-004 * x + 6.2544E-005
R = 1.0000
DL = 0.4573 ppb
BEC = 0.1323 ppb

Weight: <None>
Min Conc: <None>

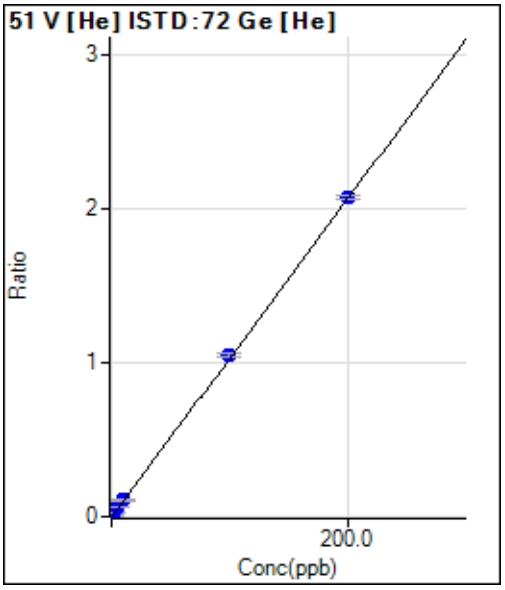
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1404.33	0.0019	P	231.0	
2	☐	2.000	2.076	17802.11	0.0245	P	11.6	3.8
3	☐	5.000	4.955	40421.01	0.0559	P	6.5	-0.9
4	☐	10.000	9.611	77141.66	0.1066	P	3.2	-3.9
5	☐	100.000	100.167	798097.89	1.0932	P	1.9	0.2
6	☐	200.000	199.936	1585863.09	2.1801	P	1.6	0.0
7	☐	1.000						

y = 0.0109 * x + 0.0019
R = 1.0000
DL = 1.211 ppb
BEC = 0.1747 ppb

Weight: <None>
Min Conc: <None>

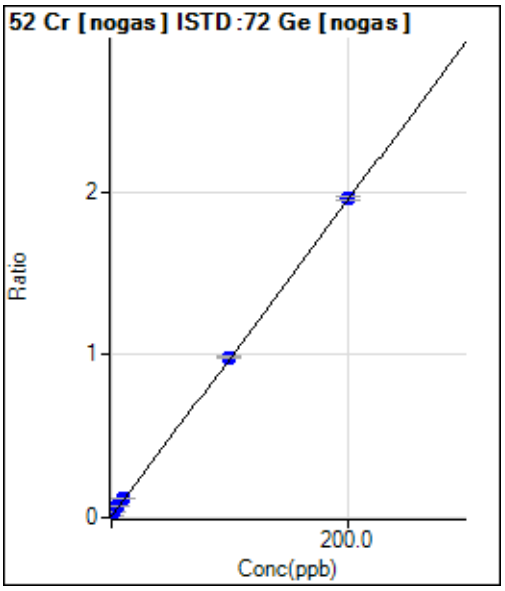


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1469.15	0.0069	P	24.6	
2	☐	2.000	1.829	5542.47	0.0259	P	8.1	-8.5
3	☐	5.000	5.125	12992.03	0.0600	P	4.7	2.5
4	☐	10.000	9.691	22832.08	0.1073	P	6.8	-3.1
5	☐	100.000	100.334	221615.52	1.0463	P	2.5	0.3
6	☐	200.000	199.847	436305.50	2.0771	P	1.5	-0.1
7	☐	1.000						

y = 0.0104 * x + 0.0069
R = 1.0000
DL = 0.4939 ppb
BEC = 0.6685 ppb

Weight: <None>
Min Conc: <None>

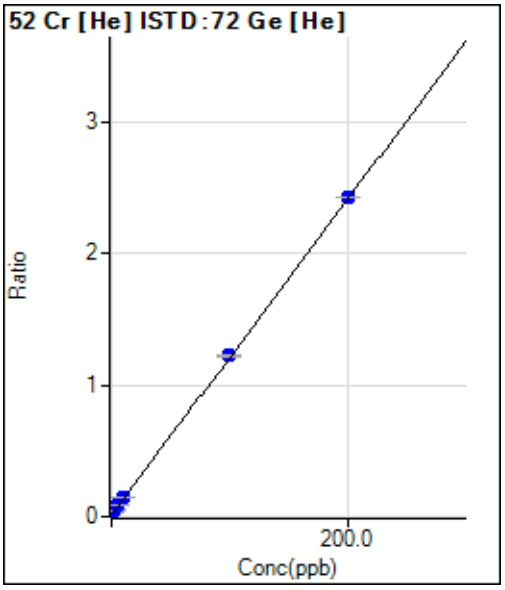
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12552.08	0.0172	P	3.8	
2	☐	2.000	1.994	26563.73	0.0366	P	2.7	-0.3
3	☐	5.000	4.999	47555.09	0.0658	P	2.2	0.0
4	☐	10.000	10.182	84039.81	0.1161	P	1.2	1.8
5	☐	100.000	99.633	719080.98	0.9851	P	0.7	-0.4
6	☐	200.000	200.175	1427061.85	1.9617	P	1.1	0.1
7	☐	1.000						

y = 0.0097 * x + 0.0172
R = 1.0000
DL = 0.2036 ppb
BEC = 1.773 ppb

Weight: <None>
Min Conc: <None>

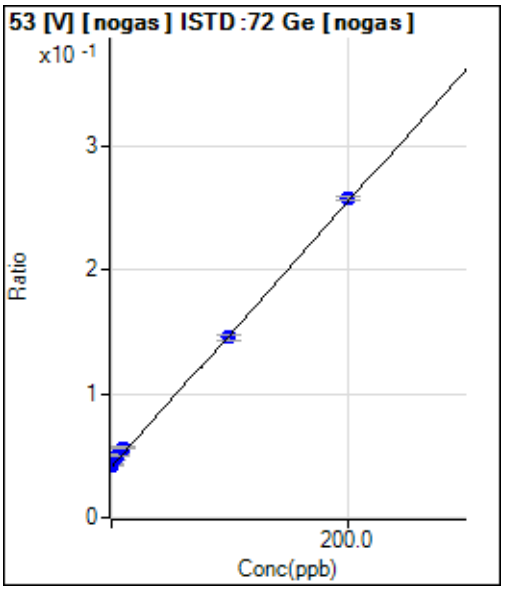


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5414.44	0.0255	P	0.6	
2	☐	2.000	2.128	10937.48	0.0511	P	6.6	6.4
3	☐	5.000	5.174	18985.44	0.0877	P	3.4	3.5
4	☐	10.000	10.301	31777.20	0.1493	P	4.5	3.0
5	☐	100.000	99.635	259128.37	1.2233	P	1.6	-0.4
6	☐	200.000	200.162	510828.38	2.4319	P	0.5	0.1
7	☐	1.000						

y = 0.0120 * x + 0.0255
R = 1.0000
DL = 0.0402 ppb
BEC = 2.119 ppb

Weight: <None>
Min Conc: <None>

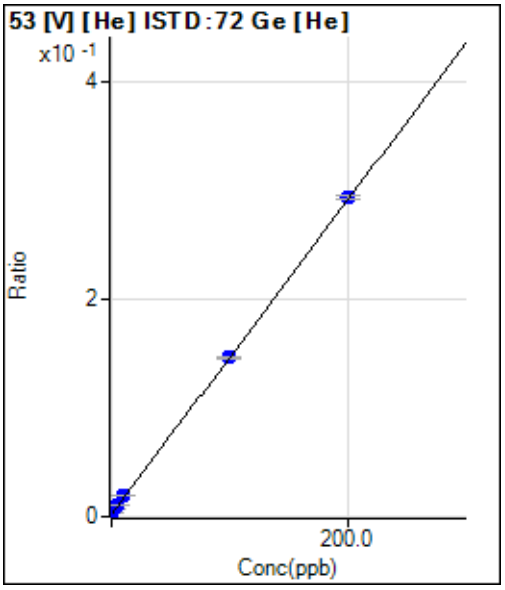
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	31015.48	0.0425	P	2.5	
2	☐	2.000	3.649	33721.49	0.0464	P	2.3	82.4
3	☐	5.000	6.972	36143.65	0.0500	P	3.1	39.4
4	☐	10.000	13.299	41086.05	0.0568	P	1.0	33.0
5	☐	100.000	96.227	106137.53	0.1454	P	3.8	-3.8
6	☐	200.000	201.656	187809.42	0.2582	P	0.7	0.8
7	☐	1.000						

y = 0.0011 * x + 0.0425
R = 0.9996
DL = 3.013 ppb
BEC = 39.79 ppb

Weight: <None>
Min Conc: <None>

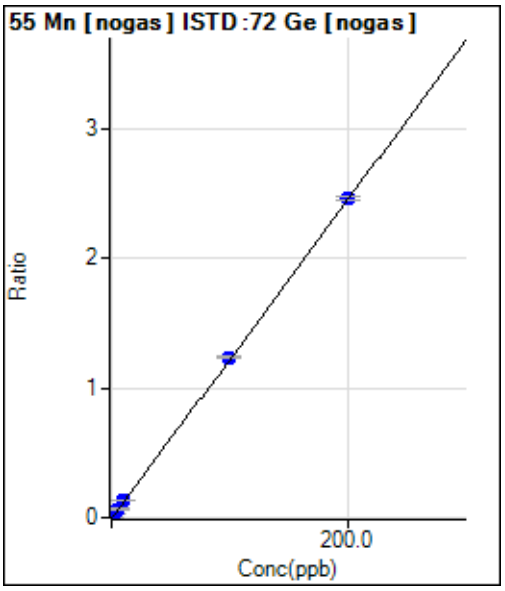


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	793.37	0.0037	P	10.1	
2	☐	2.000	2.482	1566.78	0.0073	P	4.5	24.1
3	☐	5.000	4.539	2226.88	0.0103	P	2.5	-9.2
4	☐	10.000	10.885	4137.33	0.0194	P	8.7	8.9
5	☐	100.000	98.620	30942.10	0.1461	P	1.8	-1.4
6	☐	200.000	200.653	61612.24	0.2933	P	1.3	0.3
7	☐	1.000						

y = 0.0014 * x + 0.0037
R = 0.9999
DL = 0.7868 ppb
BEC = 2.585 ppb

Weight: <None>
Min Conc: <None>

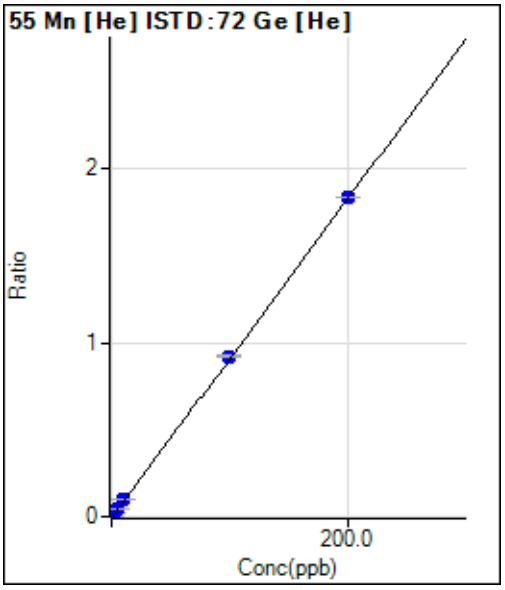
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2943.68	0.0040	P	12.1	
2	☐	2.000	2.024	20994.90	0.0289	P	0.9	1.2
3	☐	5.000	5.093	48184.10	0.0666	P	1.6	1.9
4	☐	10.000	10.095	92707.16	0.1281	P	2.3	1.0
5	☐	100.000	100.111	901063.16	1.2344	P	0.8	0.1
6	☐	200.000	199.937	1790321.22	2.4613	P	1.3	0.0
7	☐	1.000						

y = 0.0123 * x + 0.0040
R = 1.0000
DL = 0.1197 ppb
BEC = 0.3287 ppb

Weight: <None>
Min Conc: <None>

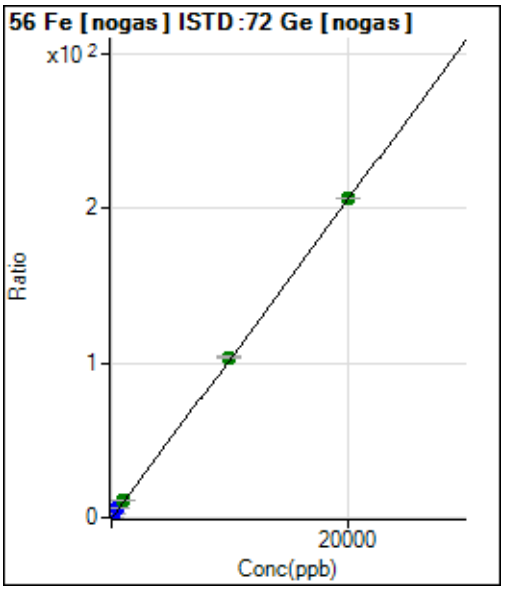


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	173.33	0.0008	P	11.2	
2	☐	2.000	1.978	4070.63	0.0190	P	2.9	-1.1
3	☐	5.000	4.795	9719.97	0.0449	P	1.8	-4.1
4	☐	10.000	10.205	20130.40	0.0946	P	0.6	2.0
5	☐	100.000	100.191	195227.67	0.9216	P	1.1	0.2
6	☐	200.000	199.900	386073.82	1.8380	P	0.6	-0.1
7	☐	1.000						

y = 0.0092 * x + 8.1497E-004
R = 1.0000
DL = 0.02968 ppb
BEC = 0.08868 ppb

Weight: <None>
Min Conc: <None>

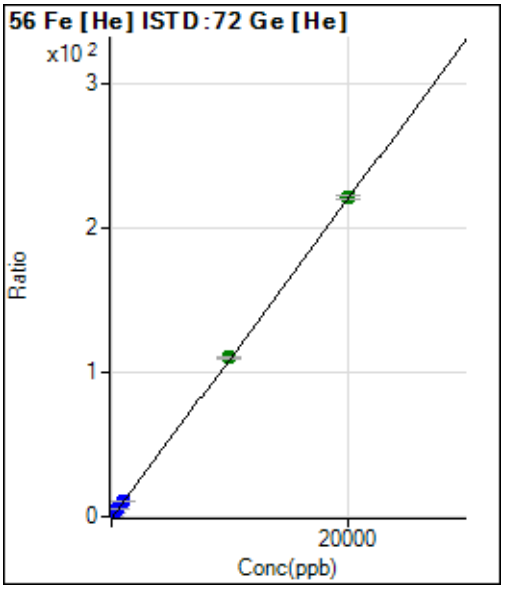
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	324072.30	0.4445	P	2.0	
2	☐	200.000	204.094	1850986.59	2.5495	P	0.2	2.0
3	☐	500.000	520.149	4200284.31	5.8091	P	0.6	4.0
4	☐	1000.000	1037.731	8066490.50	11.1473	A	2.5	3.8
5	☐	10000.00	10003.50	75631497.21	103.616	A	1.5	0.0
6	☐	20000.00	19995.81	150347884.4	206.673	A	0.1	0.0
7	☐	100.000						

y = 0.0103 * x + 0.4445
R = 1.0000
DL = 2.545 ppb
BEC = 43.1 ppb

Weight: <None>
Min Conc: <None>

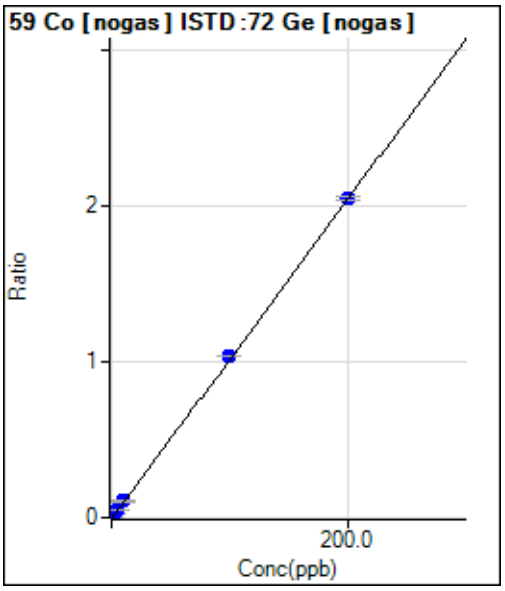


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6584.95	0.0310	P	5.3	
2	☐	200.000	192.985	463636.71	2.1639	P	1.1	-3.5
3	☐	500.000	489.749	1178783.63	5.4437	P	1.4	-2.1
4	☐	1000.000	991.126	2337498.72	10.9849	P	0.6	-0.9
5	☐	10000.00	9951.819	23305417.98	110.018	A	1.2	-0.5
6	☐	20000.00	20024.86	46493314.31	221.345	A	1.5	0.1
7	☐	100.000						

y = 0.0111 * x + 0.0310
R = 1.0000
DL = 0.4486 ppb
BEC = 2.805 ppb

Weight: <None>
Min Conc: <None>

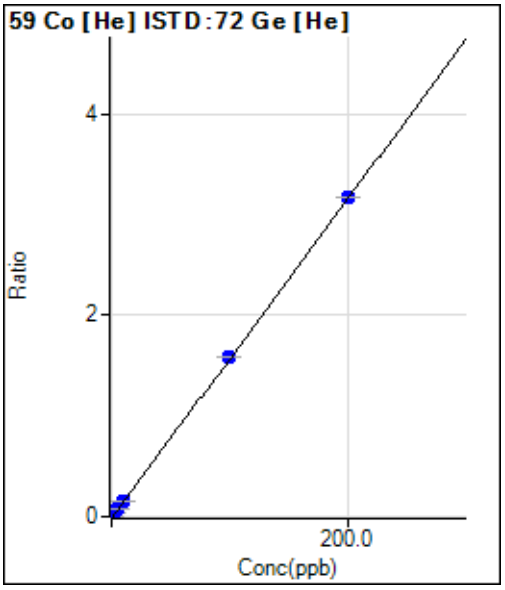
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	136.67	0.0002	P	25.6	
2	☐	2.000	2.007	15094.49	0.0208	P	3.8	0.3
3	☐	5.000	5.092	37935.02	0.0525	P	1.2	1.8
4	☐	10.000	10.281	76534.30	0.1057	P	1.6	2.8
5	☐	100.000	100.930	756612.49	1.0365	P	1.0	0.9
6	☐	200.000	199.519	1490245.71	2.0487	P	1.0	-0.2
7	☐	1.000						

y = 0.0103 * x + 1.8748E-004
R = 1.0000
DL = 0.01405 ppb
BEC = 0.01826 ppb

Weight: <None>
Min Conc: <None>

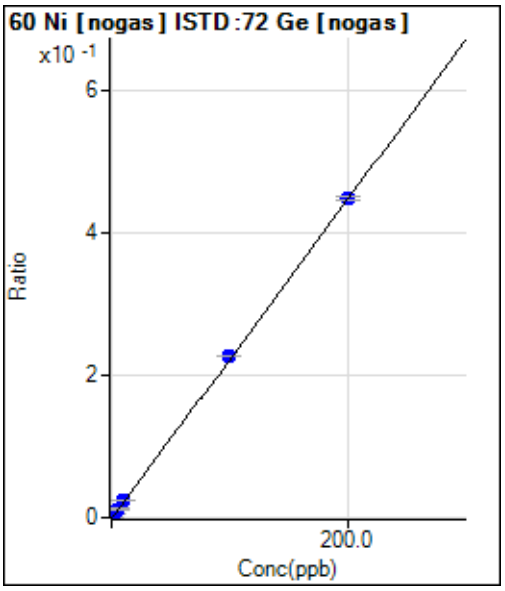


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	26.67	0.0001	P	57.6	
2	☐	2.000	2.015	6871.70	0.0321	P	3.3	0.7
3	☐	5.000	4.954	17039.94	0.0787	P	4.1	-0.9
4	☐	10.000	9.963	33651.22	0.1581	P	2.7	-0.4
5	☐	100.000	99.984	335930.80	1.5858	P	1.0	0.0
6	☐	200.000	200.011	666331.16	3.1722	P	0.4	0.0
7	☐	1.000						

y = 0.0159 * x + 1.2598E-004
R = 1.0000
DL = 0.01373 ppb
BEC = 0.007944 ppb

Weight: <None>
Min Conc: <None>

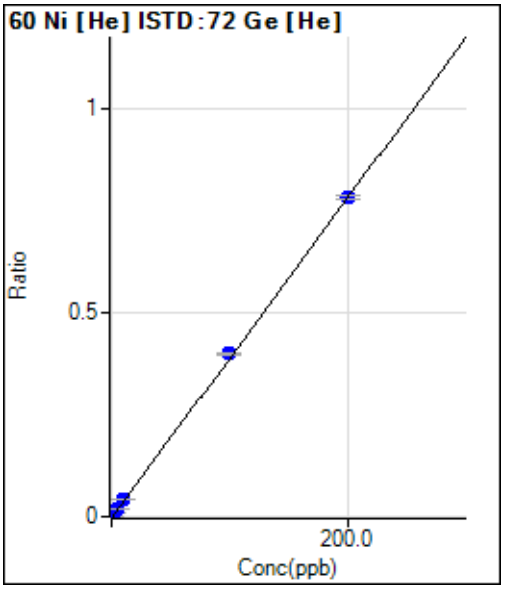
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	310.01	0.0004	P	22.1	
2	☐	2.000	1.971	3527.14	0.0049	P	0.9	-1.4
3	☐	5.000	5.112	8619.29	0.0119	P	4.6	2.2
4	☐	10.000	10.438	17296.94	0.0239	P	1.9	4.4
5	☐	100.000	100.744	165721.60	0.2270	P	0.7	0.7
6	☐	200.000	199.604	326845.80	0.4493	P	1.3	-0.2
7	☐	1.000						

y = 0.0022 * x + 4.2490E-004
R = 1.0000
DL = 0.1251 ppb
BEC = 0.1889 ppb

Weight: <None>
Min Conc: <None>

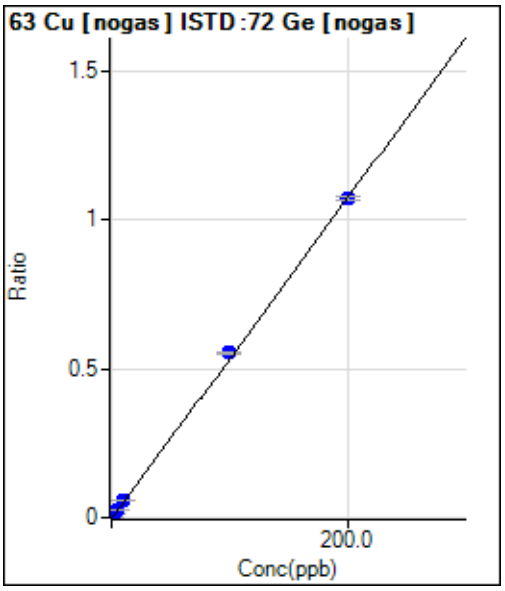


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93.33	0.0004	P	61.3	
2	☐	2.000	2.171	1920.16	0.0090	P	4.4	8.6
3	☐	5.000	4.952	4304.03	0.0199	P	4.7	-1.0
4	☐	10.000	10.577	8929.47	0.0420	P	2.8	5.8
5	☐	100.000	101.472	84499.99	0.3989	P	1.0	1.5
6	☐	200.000	199.235	164408.81	0.7827	P	1.3	-0.4
7	☐	1.000						

y = 0.0039 * x + 4.3655E-004
R = 1.0000
DL = 0.2046 ppb
BEC = 0.1112 ppb

Weight: <None>
Min Conc: <None>

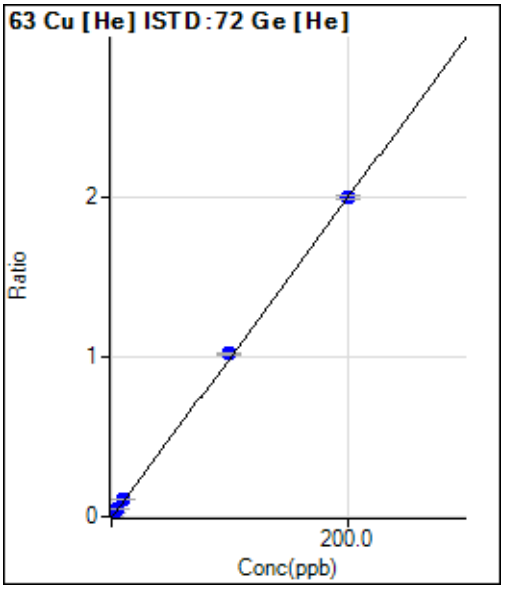
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	840.04	0.0012	P	4.9	
2	☐	2.000	1.990	8622.64	0.0119	P	1.2	-0.5
3	☐	5.000	5.049	20514.26	0.0284	P	2.4	1.0
4	☐	10.000	10.334	41136.66	0.0569	P	2.9	3.3
5	☐	100.000	102.594	404470.30	0.5541	P	0.9	2.6
6	☐	200.000	198.685	779829.23	1.0720	P	1.1	-0.7
7	☐	1.000						

y = 0.0054 * x + 0.0012
R = 0.9999
DL = 0.03164 ppb
BEC = 0.2138 ppb

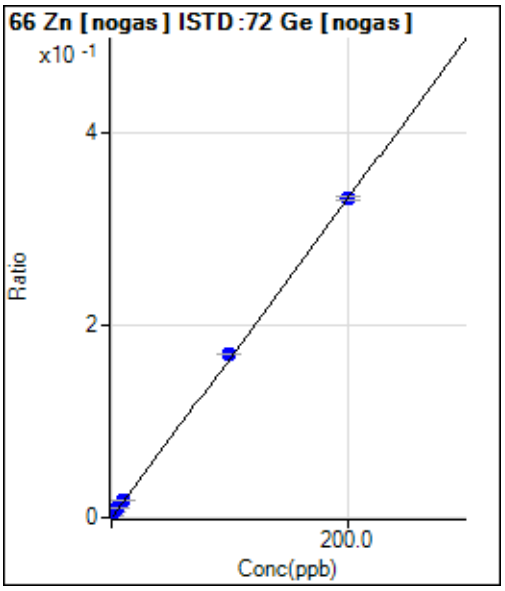
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	390.01	0.0018	P	5.9	
2	☐	2.000	1.973	4630.81	0.0216	P	5.9	-1.3
3	☐	5.000	4.940	11120.99	0.0514	P	4.5	-1.2
4	☐	10.000	10.353	22470.50	0.1056	P	3.0	3.5
5	☐	100.000	101.393	215693.53	1.0182	P	0.7	1.4
6	☐	200.000	199.288	419992.21	1.9995	P	0.9	-0.4
7	☐	1.000						

y = 0.0100 * x + 0.0018
R = 1.0000
DL = 0.03218 ppb
BEC = 0.183 ppb

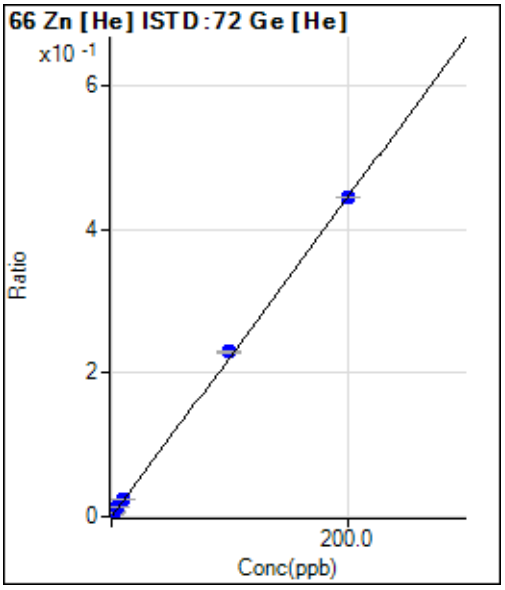
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1043.39	0.0014	P	7.4	
2	☐	2.000	2.285	3790.56	0.0052	P	7.2	14.3
3	☐	5.000	5.409	7515.37	0.0104	P	5.9	8.2
4	☐	10.000	10.381	13492.92	0.0186	P	2.0	3.8
5	☐	100.000	101.510	123902.63	0.1697	P	0.9	1.5
6	☐	200.000	199.213	241277.63	0.3317	P	1.3	-0.4
7	☐	1.000						

y = 0.0017 * x + 0.0014
R = 1.0000
DL = 0.1928 ppb
BEC = 0.8635 ppb

Weight: <None>
Min Conc: <None>

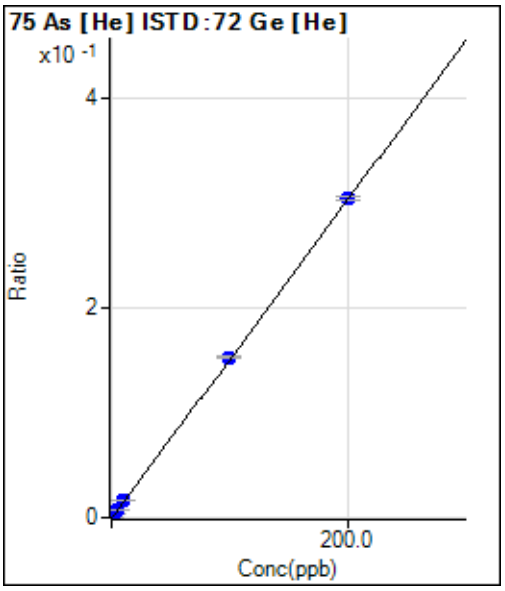


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	440.01	0.0021	P	12.4	
2	☐	2.000	2.035	1413.42	0.0066	P	5.6	1.7
3	☐	5.000	5.157	2933.67	0.0135	P	3.3	3.1
4	☐	10.000	9.547	4960.91	0.0233	P	3.8	-4.5
5	☐	100.000	102.173	48596.00	0.2294	P	1.2	2.2
6	☐	200.000	198.932	93407.08	0.4447	P	0.6	-0.5
7	☐	1.000						

y = 0.0022 * x + 0.0021
R = 0.9999
DL = 0.3471 ppb
BEC = 0.9309 ppb

Weight: <None>
Min Conc: <None>

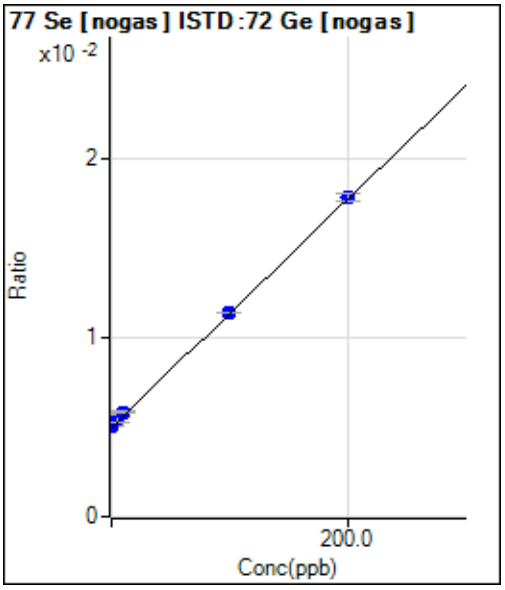
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	126.67	0.0006	P	12.6	
2	☐	2.000	2.146	827.80	0.0039	P	6.5	7.3
3	☐	5.000	4.775	1703.44	0.0079	P	3.5	-4.5
4	☐	10.000	10.257	3449.30	0.0162	P	5.5	2.6
5	☐	100.000	100.121	32417.42	0.1530	P	0.6	0.1
6	☐	200.000	199.931	64059.23	0.3050	P	1.0	0.0
7	☐	1.000						

y = 0.0015 * x + 5.9661E-004
R = 1.0000
DL = 0.1486 ppb
BEC = 0.3919 ppb

Weight: <None>
Min Conc: <None>

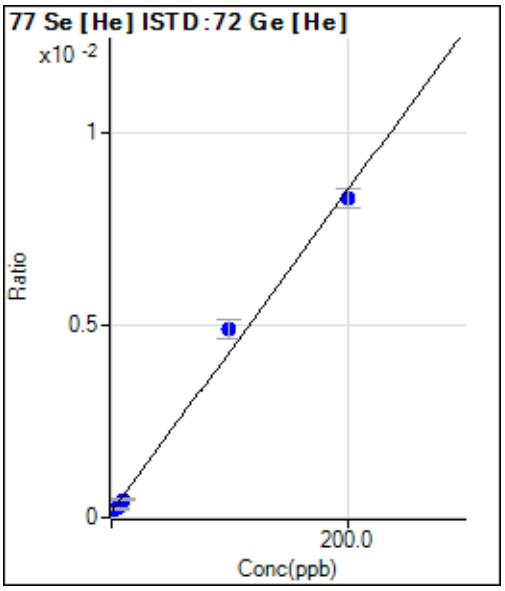


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3713.89	0.0051	P	3.7	
2	☐	2.000	4.839	3920.61	0.0054	P	3.7	142.0
3	☐	5.000	5.756	3943.95	0.0055	P	8.1	15.1
4	☐	10.000	11.576	4217.36	0.0058	P	2.4	15.8
5	☐	100.000	98.950	8302.48	0.0114	P	0.4	-1.1
6	☐	200.000	200.399	12955.90	0.0178	P	2.0	0.2
7	☐	1.000						

y = 6.3466E-005 * x + 0.0051
R = 0.9999
DL = 8.892 ppb
BEC = 80.25 ppb

Weight: <None>
Min Conc: <None>

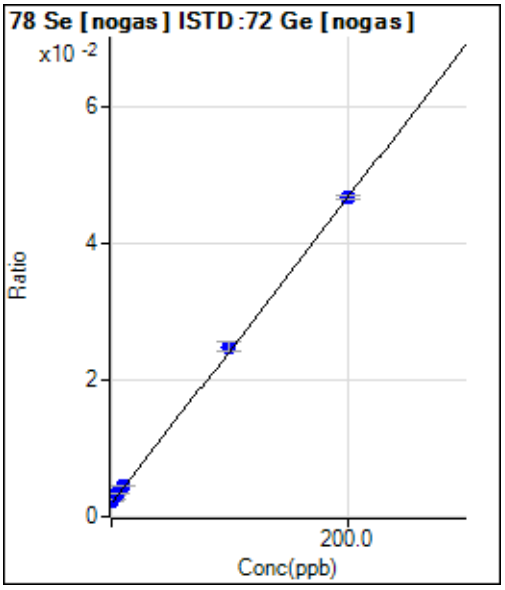
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40.00	0.0002	P	41.8	
2	☐	2.000	0.349	43.33	0.0002	P	34.7	-82.6
3	☐	5.000	1.401	53.33	0.0002	P	21.0	-72.0
4	☐	10.000	6.757	100.00	0.0005	P	17.1	-32.4
5	☐	100.000	112.946	1040.06	0.0049	P	10.3	12.9
6	☐	200.000	193.796	1740.13	0.0083	P	5.5	-3.1
7	☐	1.000						

y = 4.1783E-005 * x + 1.8750E-004
R = 0.9966
DL = 5.626 ppb
BEC = 4.487 ppb

Weight: <None>
Min Conc: <None>

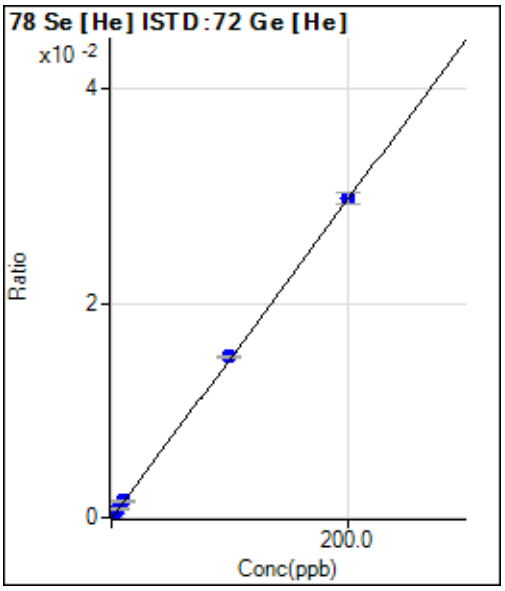


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1573.44	0.0022	P	1.9	
2	☐	2.000	3.018	2056.86	0.0028	P	17.2	50.9
3	☐	5.000	5.632	2470.25	0.0034	P	4.1	12.6
4	☐	10.000	10.993	3340.45	0.0046	P	1.0	9.9
5	☐	100.000	101.597	18151.44	0.0249	P	5.2	1.6
6	☐	200.000	199.126	33959.16	0.0467	P	1.4	-0.4
7	☐	1.000						

y = 2.2357E-004 * x + 0.0022
R = 1.0000
DL = 0.5488 ppb
BEC = 9.653 ppb

Weight: <None>
Min Conc: <None>

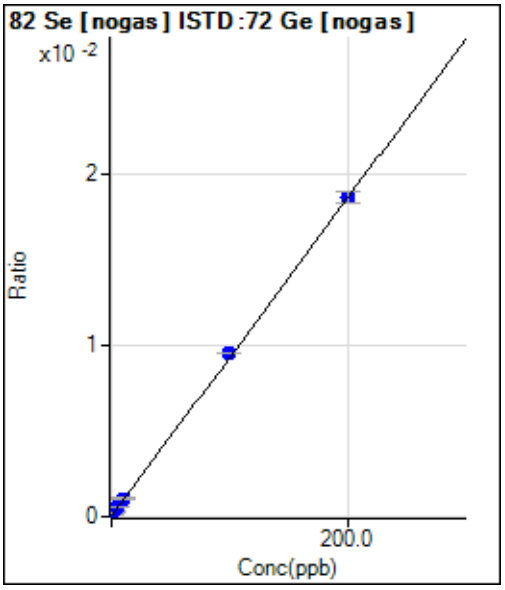
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.67	0.0001	P	78.0	
2	☐	2.000	1.859	72.00	0.0003	P	27.8	-7.0
3	☐	5.000	4.794	167.33	0.0008	P	12.1	-4.1
4	☐	10.000	10.167	334.67	0.0016	P	6.7	1.7
5	☐	100.000	100.504	3181.68	0.0150	P	1.2	0.5
6	☐	200.000	199.746	6257.34	0.0298	P	3.7	-0.1
7	☐	1.000						

y = 1.4884E-004 * x + 5.9583E-005
R = 1.0000
DL = 0.937 ppb
BEC = 0.4003 ppb

Weight: <None>
Min Conc: <None>

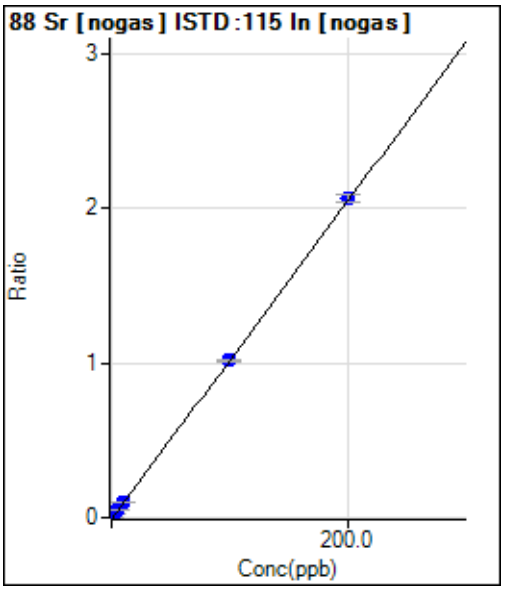


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	90.00	0.0001	P	40.6	
2	☐	2.000	1.877	216.67	0.0003	P	18.8	-6.1
3	☐	5.000	5.006	426.68	0.0006	P	7.8	0.1
4	☐	10.000	10.092	770.04	0.0011	P	10.6	0.9
5	☐	100.000	101.222	6971.77	0.0096	P	0.5	1.2
6	☐	200.000	199.385	13593.13	0.0187	P	3.7	-0.3
7	☐	1.000						

y = 9.3125E-005 * x + 1.2365E-004
R = 1.0000
DL = 1.618 ppb
BEC = 1.328 ppb

Weight: <None>
Min Conc: <None>

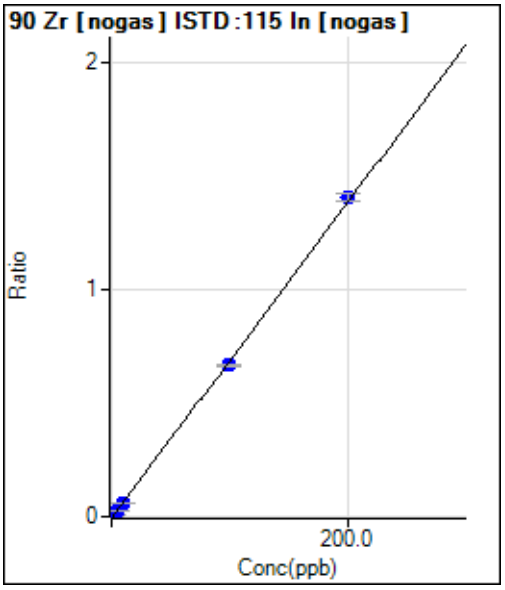
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	456.69	0.0005	P	11.6	
2	☐	2.000	2.041	20187.47	0.0215	P	1.8	2.0
3	☐	5.000	4.870	47921.49	0.0506	P	0.3	-2.6
4	☐	10.000	9.722	94796.81	0.1006	P	0.6	-2.8
5	☐	100.000	98.606	947141.99	1.0161	P	1.0	-1.4
6	☐	200.000	200.714	1901432.42	2.0679	P	1.8	0.4
7	☐	1.000						

y = 0.0103 * x + 4.8252E-004
R = 1.0000
DL = 0.01624 ppb
BEC = 0.04685 ppb

Weight: <None>
Min Conc: <None>

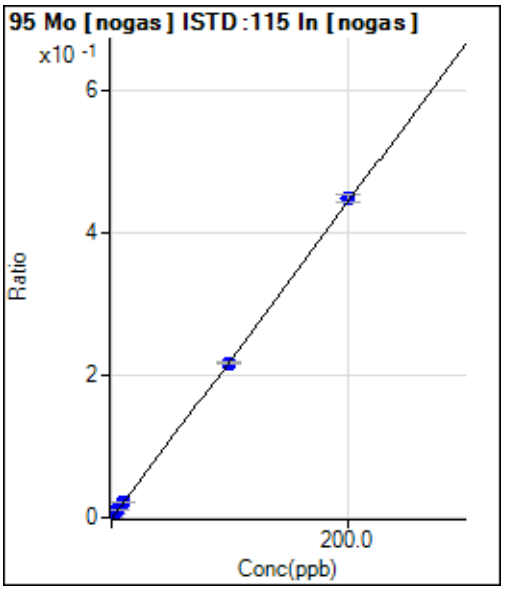


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	890.05	0.0009	P	13.3	
2	☐	2.000	1.238	8962.87	0.0095	P	4.3	-38.1
3	☐	5.000	3.800	25886.37	0.0274	P	2.9	-24.0
4	☐	10.000	8.607	57241.34	0.0608	P	1.3	-13.9
5	☐	100.000	95.806	621647.53	0.6670	P	1.9	-4.2
6	☐	200.000	202.204	1293359.54	1.4066	P	1.9	1.1
7	☐	1.000						

y = 0.0070 * x + 9.3973E-004
R = 0.9997
DL = 0.05408 ppb
BEC = 0.1352 ppb

Weight: <None>
Min Conc: <None>

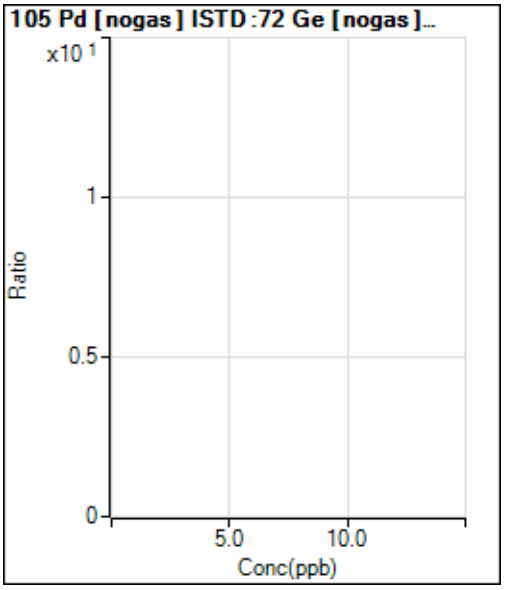
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	180.01	0.0002	P	36.8	
2	☐	2.000	1.899	4150.67	0.0044	P	3.2	-5.0
3	☐	5.000	4.736	10167.03	0.0107	P	1.4	-5.3
4	☐	10.000	9.574	20277.54	0.0215	P	3.6	-4.3
5	☐	100.000	97.160	201980.08	0.2167	P	1.1	-2.8
6	☐	200.000	201.449	412902.36	0.4491	P	2.3	0.7
7	☐	1.000						

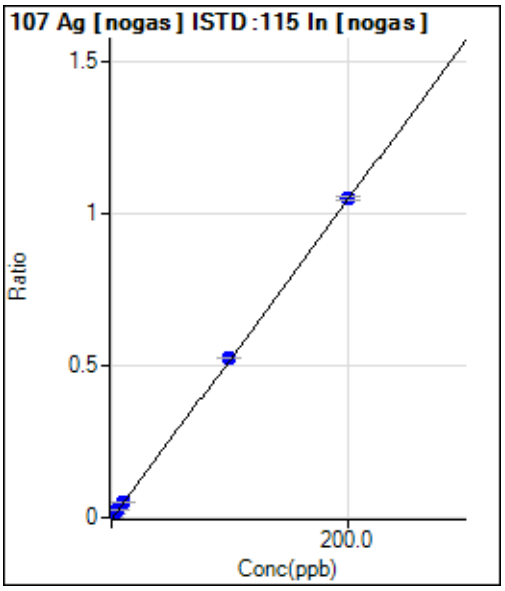
y = 0.0022 * x + 1.9030E-004
R = 0.9999
DL = 0.09426 ppb
BEC = 0.0854 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

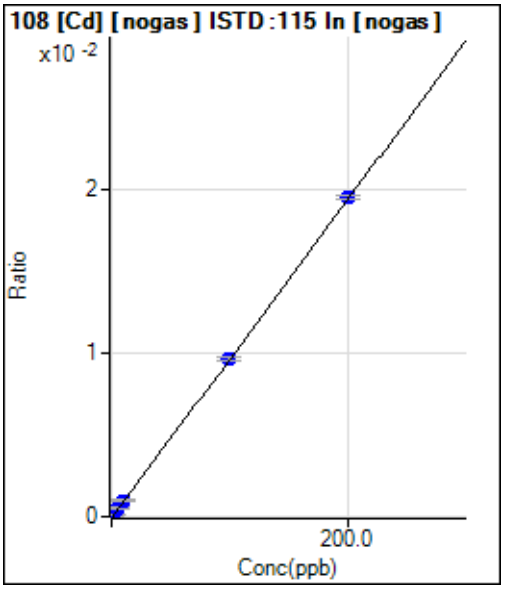
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66.67	0.0001	P	30.8	
2	☐	2.000	2.011	9973.56	0.0106	P	1.9	0.5
3	☐	5.000	4.957	24687.99	0.0261	P	3.0	-0.9
4	☐	10.000	10.068	49849.04	0.0529	P	2.2	0.7
5	☐	100.000	99.928	489017.48	0.5246	P	0.7	-0.1
6	☐	200.000	200.033	965601.24	1.0501	P	1.7	0.0
7	☐	1.000						

y = 0.0052 * x + 7.0360E-005
R = 1.0000
DL = 0.01239 ppb
BEC = 0.0134 ppb

Weight: <None>
Min Conc: <None>

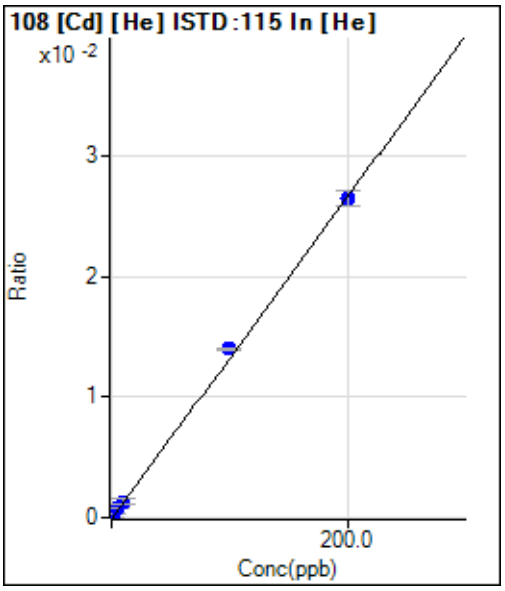


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10.00	0.0000	P	99.7	
2	☐	2.000	1.461	143.33	0.0002	P	15.6	-26.9
3	☐	5.000	5.327	500.02	0.0005	P	8.8	6.5
4	☐	10.000	9.965	923.38	0.0010	P	19.5	-0.3
5	☐	100.000	99.028	8982.94	0.0096	P	1.5	-1.0
6	☐	200.000	200.485	17931.29	0.0195	P	1.4	0.2
7	☐	1.000						

y = 9.7216E-005 * x + 1.0556E-005
R = 1.0000
DL = 0.3247 ppb
BEC = 0.1086 ppb

Weight: <None>
Min Conc: <None>

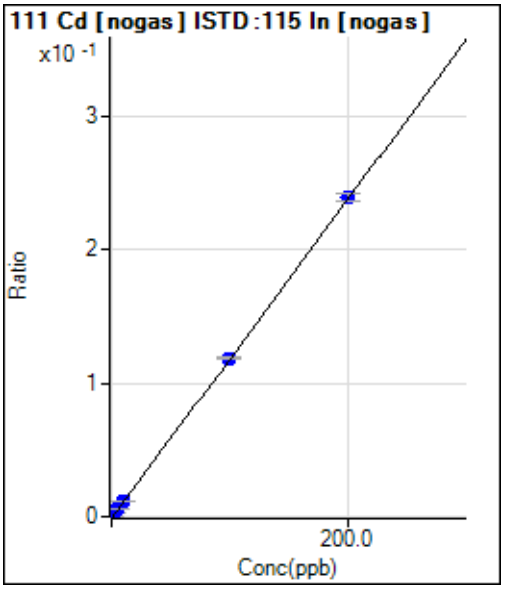
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3.33	0.0000	P	173.2	
2	☐	2.000	2.254	110.00	0.0003	P	35.9	12.7
3	☐	5.000	5.801	280.01	0.0008	P	8.9	16.0
4	☐	10.000	9.700	463.35	0.0013	P	37.9	-3.0
5	☐	100.000	104.299	4864.24	0.0140	P	1.8	4.3
6	☐	200.000	197.843	9062.95	0.0265	P	5.0	-1.1
7	☐	1.000						

y = 1.3415E-004 * x + 9.6386E-006
R = 0.9997
DL = 0.3733 ppb
BEC = 0.07185 ppb

Weight: <None>
Min Conc: <None>

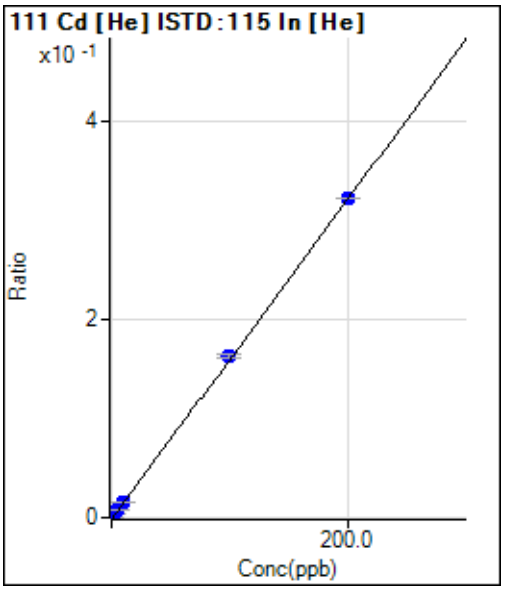


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-0.73	0.0000	P	-3067.	
2	☐	2.000	2.048	2293.12	0.0024	P	7.0	2.4
3	☐	5.000	5.081	5734.95	0.0061	P	7.9	1.6
4	☐	10.000	9.904	11131.17	0.0118	P	1.3	-1.0
5	☐	100.000	99.385	110525.68	0.1186	P	1.4	-0.6
6	☐	200.000	200.310	219743.41	0.2390	P	2.4	0.2
7	☐	1.000						

y = 0.0012 * x - 7.0194E-007
R = 1.0000
DL = 0.05415 ppb
BEC = -0.0005883 ppb

Weight: <None>
Min Conc: <None>

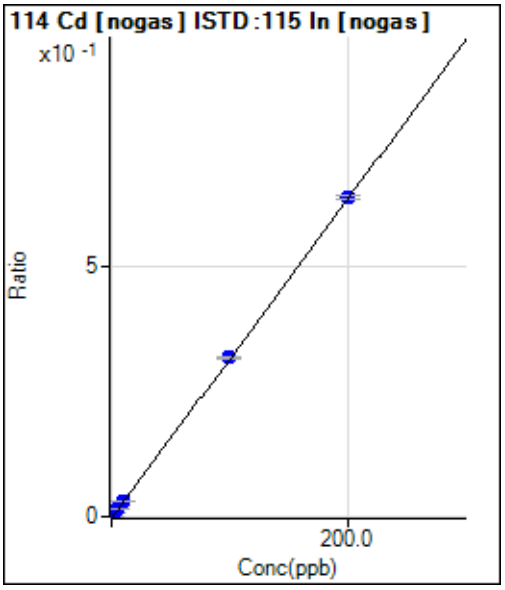
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-3.58	0.0000	P	-173.2	
2	☐	2.000	1.953	1108.71	0.0032	P	8.5	-2.4
3	☐	5.000	4.860	2789.93	0.0079	P	6.9	-2.8
4	☐	10.000	9.975	5720.95	0.0161	P	3.8	-0.2
5	☐	100.000	100.809	56672.60	0.1632	P	2.1	0.8
6	☐	200.000	199.601	110268.36	0.3231	P	0.5	-0.2
7	☐	1.000						

y = 0.0016 * x - 1.0342E-005
R = 1.0000
DL = 0.0332 ppb
BEC = -0.00639 ppb

Weight: <None>
Min Conc: <None>

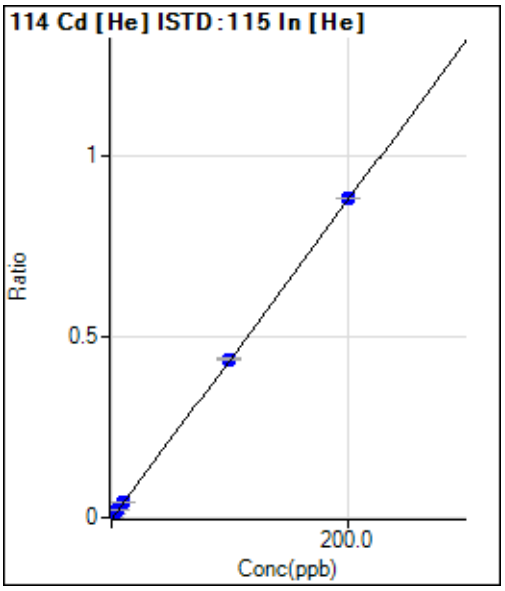


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	53.33	0.0001	P	28.4	
2	☐	2.000	1.951	5894.64	0.0063	P	2.2	-2.4
3	☐	5.000	4.907	14857.85	0.0157	P	3.5	-1.9
4	☐	10.000	9.786	29446.81	0.0313	P	1.4	-2.1
5	☐	100.000	99.738	296479.58	0.3181	P	1.4	-0.3
6	☐	200.000	200.145	586895.29	0.6382	P	1.6	0.1
7	☐	1.000						

y = 0.0032 * x + 5.6304E-005
R = 1.0000
DL = 0.01503 ppb
BEC = 0.01766 ppb

Weight: <None>
Min Conc: <None>

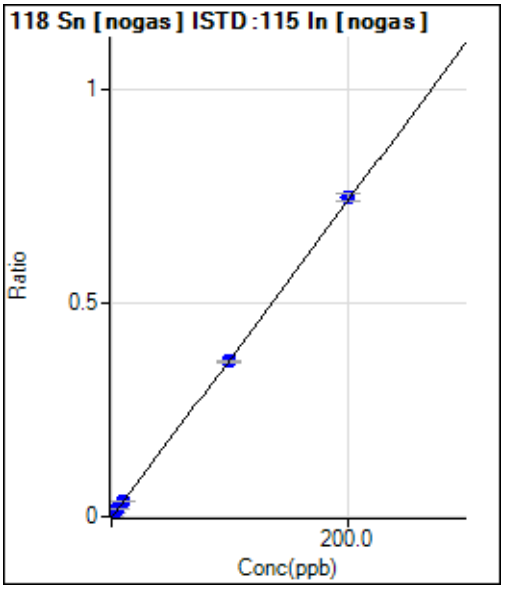
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0001	P	24.3	
2	☐	2.000	1.943	3033.73	0.0086	P	2.0	-2.8
3	☐	5.000	4.853	7608.80	0.0214	P	3.8	-2.9
4	☐	10.000	9.904	15465.17	0.0436	P	1.8	-1.0
5	☐	100.000	99.512	152105.10	0.4379	P	1.5	-0.5
6	☐	200.000	200.253	300739.02	0.8811	P	0.4	0.1
7	☐	1.000						

y = 0.0044 * x + 6.7146E-005
R = 1.0000
DL = 0.01113 ppb
BEC = 0.01526 ppb

Weight: <None>
Min Conc: <None>

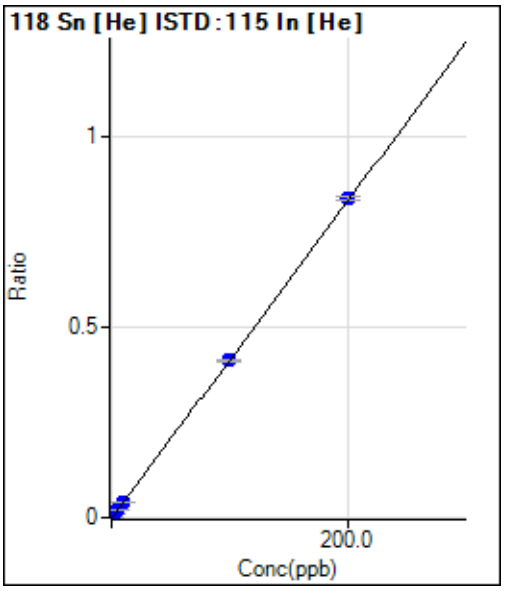


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1490.11	0.0016	P	7.5	
2	☐	2.000	1.786	7702.18	0.0082	P	4.7	-10.7
3	☐	5.000	4.751	18175.17	0.0192	P	4.1	-5.0
4	☐	10.000	9.742	35537.36	0.0377	P	1.8	-2.6
5	☐	100.000	97.482	338680.99	0.3634	P	0.7	-2.5
6	☐	200.000	201.280	688325.90	0.7486	P	2.8	0.6
7	☐	1.000						

y = 0.0037 * x + 0.0016
R = 0.9999
DL = 0.0953 ppb
BEC = 0.424 ppb

Weight: <None>
Min Conc: <None>

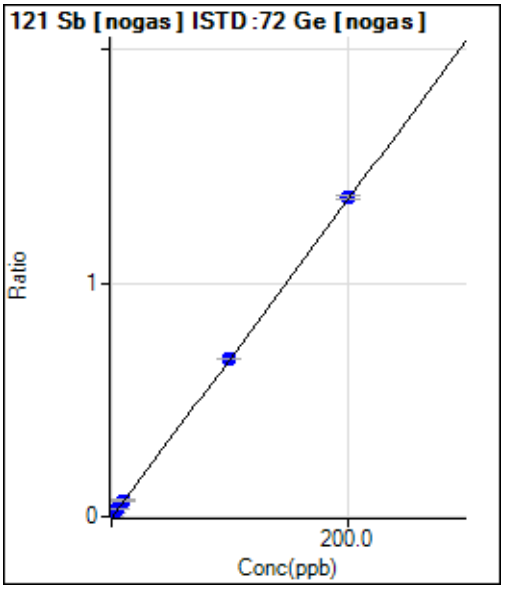
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	626.70	0.0018	P	13.0	
2	☐	2.000	1.920	3447.14	0.0098	P	2.3	-4.0
3	☐	5.000	4.659	7525.45	0.0212	P	3.5	-6.8
4	☐	10.000	9.607	14801.13	0.0418	P	3.3	-3.9
5	☐	100.000	98.731	143298.15	0.4125	P	0.9	-1.3
6	☐	200.000	200.663	285547.15	0.8365	P	1.0	0.3
7	☐	1.000						

y = 0.0042 * x + 0.0018
R = 1.0000
DL = 0.1693 ppb
BEC = 0.4339 ppb

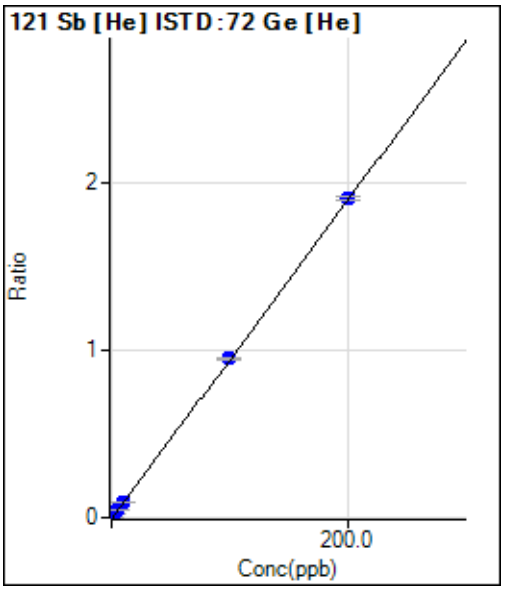
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	803.37	0.0011	P	6.8	
2	☐	2.000	1.906	10223.77	0.0141	P	5.1	-4.7
3	☐	5.000	4.992	25369.26	0.0351	P	2.7	-0.2
4	☐	10.000	10.008	50107.37	0.0692	P	2.9	0.1
5	☐	100.000	98.768	491747.98	0.6736	P	0.6	-1.2
6	☐	200.000	200.617	994494.80	1.3671	P	1.4	0.3
7	☐	1.000						

y = 0.0068 * x + 0.0011
R = 1.0000
DL = 0.03319 ppb
BEC = 0.1618 ppb

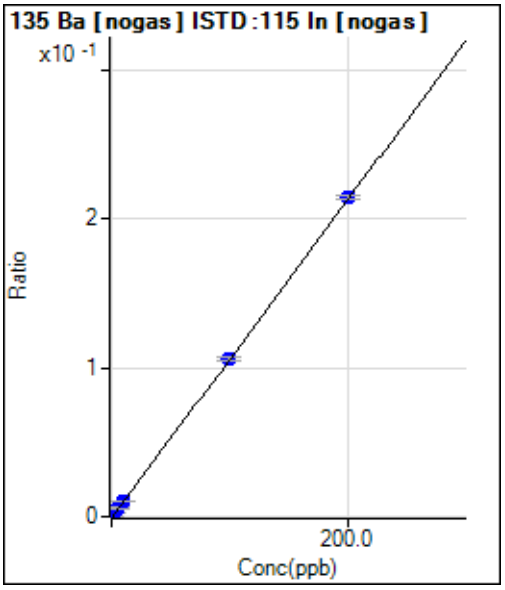
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	300.01	0.0014	P	29.0	
2	☐	2.000	1.978	4330.72	0.0202	P	4.7	-1.1
3	☐	5.000	4.565	9703.41	0.0448	P	3.6	-8.7
4	☐	10.000	9.793	20114.28	0.0945	P	4.6	-2.1
5	☐	100.000	99.619	200916.42	0.9485	P	1.6	-0.4
6	☐	200.000	200.212	400121.46	1.9048	P	1.7	0.1
7	☐	1.000						

y = 0.0095 * x + 0.0014
R = 1.0000
DL = 0.1291 ppb
BEC = 0.1485 ppb

Weight: <None>
Min Conc: <None>

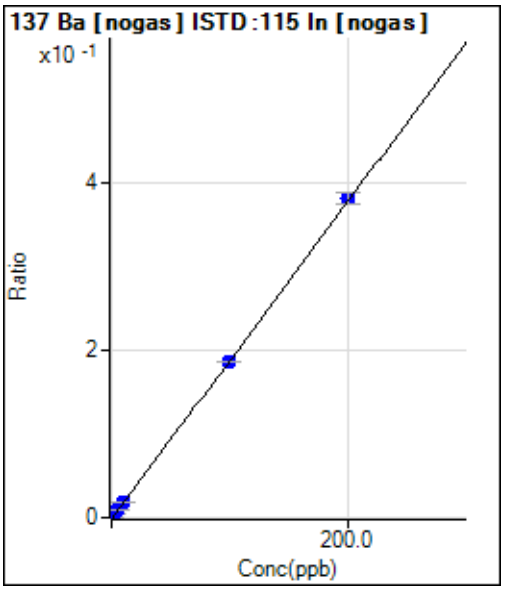


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	76.67	0.0001	P	39.4	
2	☐	2.000	2.058	2140.20	0.0023	P	5.8	2.9
3	☐	5.000	5.088	5221.07	0.0055	P	13.9	1.8
4	☐	10.000	9.733	9870.29	0.0105	P	5.0	-2.7
5	☐	100.000	99.000	98665.68	0.1059	P	2.3	-1.0
6	☐	200.000	200.511	197088.00	0.2143	P	1.6	0.3
7	☐	1.000						

y = 0.0011 * x + 8.0888E-005
R = 1.0000
DL = 0.08957 ppb
BEC = 0.0757 ppb

Weight: <None>
Min Conc: <None>

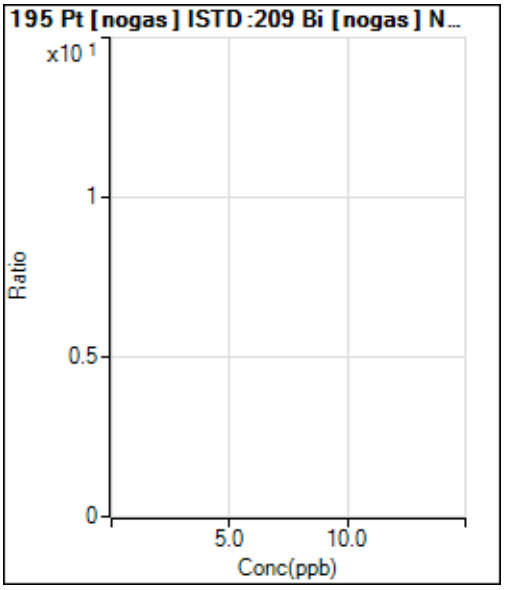
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	230.01	0.0002	P	20.4	
2	☐	2.000	1.911	3633.87	0.0039	P	6.4	-4.5
3	☐	5.000	4.758	8776.20	0.0093	P	3.8	-4.8
4	☐	10.000	9.568	17334.11	0.0184	P	3.2	-4.3
5	☐	100.000	97.841	173339.62	0.1860	P	0.6	-2.2
6	☐	200.000	201.108	351200.13	0.3820	P	3.2	0.6
7	☐	1.000						

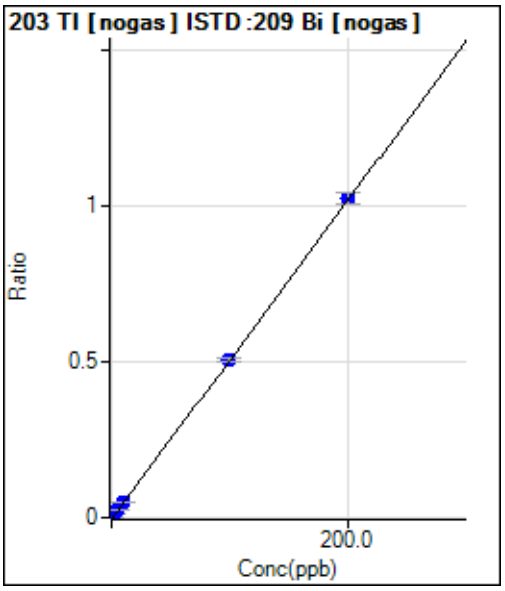
y = 0.0019 * x + 2.4311E-004
R = 0.9999
DL = 0.07841 ppb
BEC = 0.1281 ppb

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000						
2	☐	2.000						
3	☐	5.000						
4	☐	10.000						
5	☐	100.000						
6	☐	200.000						
7	☐	1.000						

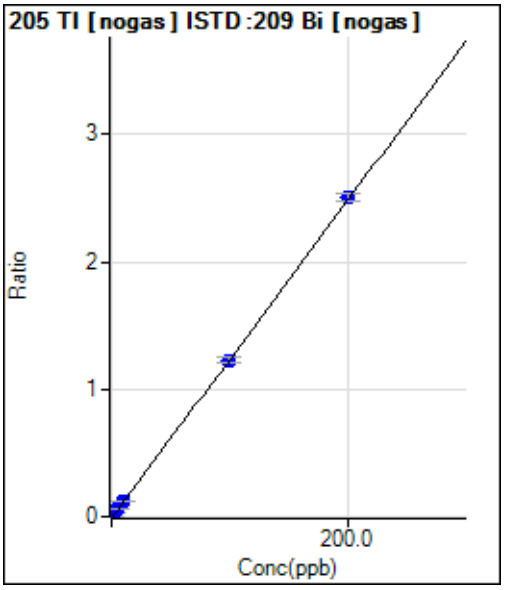
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	113.34	0.0001	P	42.6	
2	☐	2.000	1.901	13053.07	0.0098	P	3.6	-5.0
3	☐	5.000	4.772	32392.17	0.0245	P	1.6	-4.6
4	☐	10.000	9.776	65848.06	0.0501	P	3.5	-2.2
5	☐	100.000	99.382	662410.41	0.5083	P	2.7	-0.6
6	☐	200.000	200.327	1320758.63	1.0244	P	3.5	0.2
7	☐	1.000						

y = 0.0051 * x + 8.5161E-005
R = 1.0000
DL = 0.02131 ppb
BEC = 0.01665 ppb

Weight: <None>
Min Conc: <None>

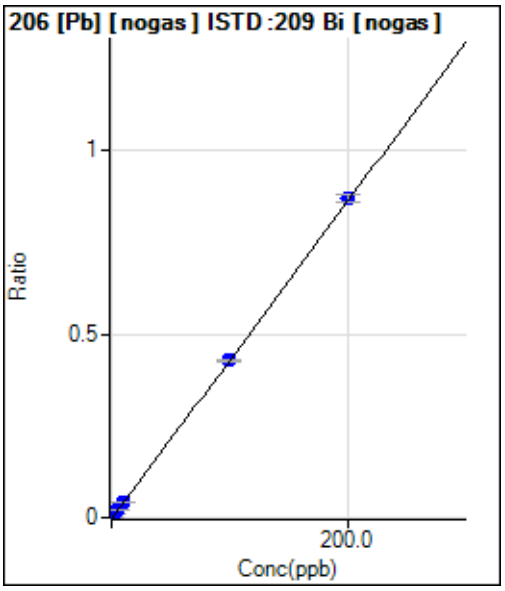


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	273.34	0.0002	P	17.3	
2	☐	2.000	1.874	31433.22	0.0236	P	4.5	-6.3
3	☐	5.000	4.815	79829.92	0.0603	P	1.7	-3.7
4	☐	10.000	9.699	159564.04	0.1213	P	3.1	-3.0
5	☐	100.000	98.421	1602126.75	1.2294	P	3.2	-1.6
6	☐	200.000	200.810	3233855.89	2.5080	P	2.4	0.4
7	☐	1.000						

y = 0.0125 * x + 2.0675E-004
R = 1.0000
DL = 0.008579 ppb
BEC = 0.01655 ppb

Weight: <None>
Min Conc: <None>

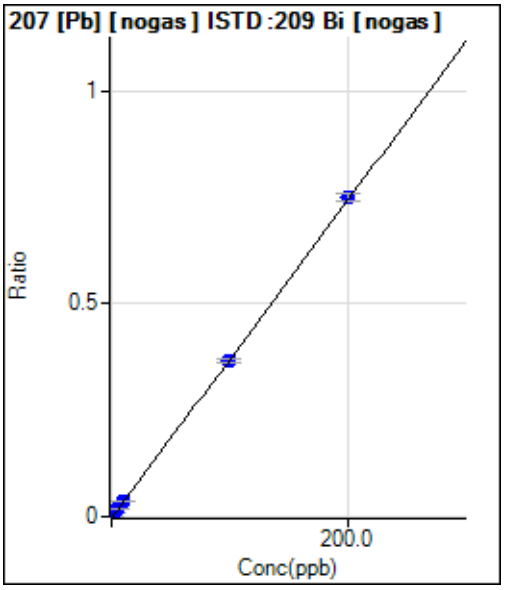
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	336.68	0.0003	P	25.4	
2	☐	2.000	1.928	11468.37	0.0086	P	2.5	-3.6
3	☐	5.000	4.868	28256.34	0.0214	P	0.9	-2.6
4	☐	10.000	9.928	56935.49	0.0433	P	4.4	-0.7
5	☐	100.000	98.574	557266.41	0.4276	P	1.8	-1.4
6	☐	200.000	200.720	1122283.60	0.8704	P	2.2	0.4
7	☐	1.000						

y = 0.0043 * x + 2.5605E-004
R = 1.0000
DL = 0.04504 ppb
BEC = 0.05907 ppb

Weight: <None>
Min Conc: <None>

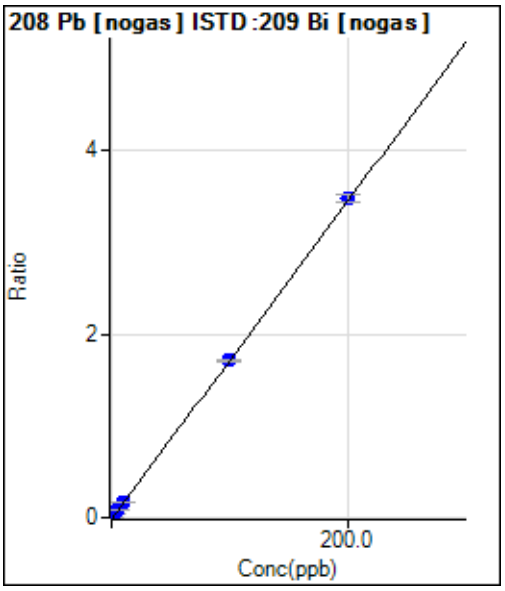


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	280.01	0.0002	P	16.4	
2	☐	2.000	1.959	10013.81	0.0075	P	4.6	-2.1
3	☐	5.000	4.964	24779.54	0.0187	P	2.5	-0.7
4	☐	10.000	9.873	48704.20	0.0370	P	4.6	-1.3
5	☐	100.000	98.319	478283.16	0.3670	P	2.4	-1.7
6	☐	200.000	200.848	966323.81	0.7495	P	2.8	0.4
7	☐	1.000						

y = 0.0037 * x + 2.1173E-004
R = 1.0000
DL = 0.02792 ppb
BEC = 0.05676 ppb

Weight: <None>
Min Conc: <None>

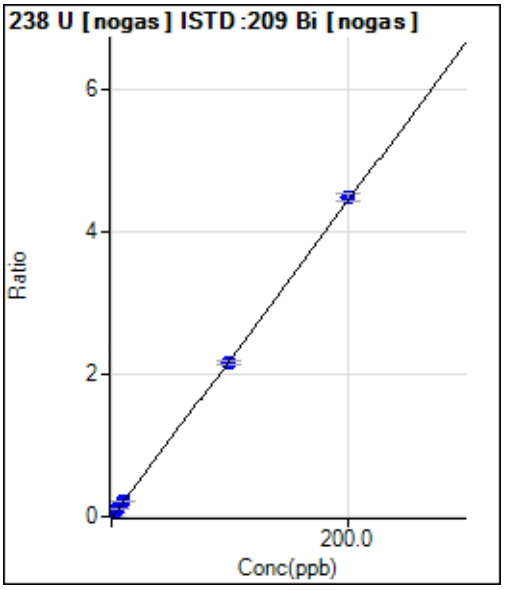
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1300.05	0.0010	P	7.1	
2	☐	2.000	1.932	45874.43	0.0345	P	1.7	-3.4
3	☐	5.000	4.915	113952.05	0.0861	P	2.5	-1.7
4	☐	10.000	9.854	225799.76	0.1717	P	3.4	-1.5
5	☐	100.000	98.551	2226490.07	1.7083	P	2.0	-1.4
6	☐	200.000	200.734	4485392.80	3.4786	P	2.1	0.4
7	☐	1.000						

y = 0.0173 * x + 9.8517E-004
R = 1.0000
DL = 0.01217 ppb
BEC = 0.05687 ppb

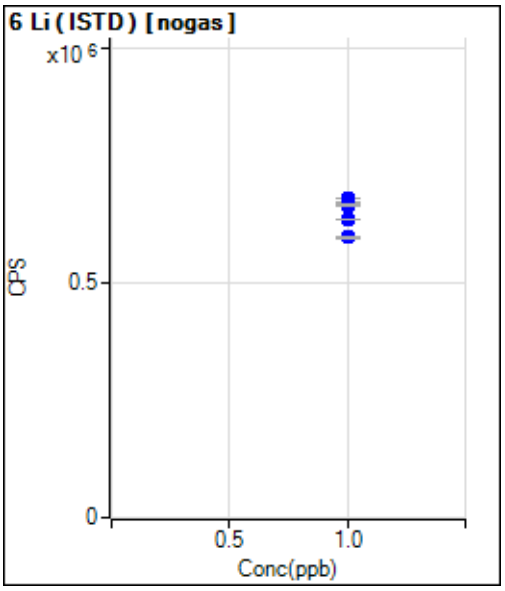
Weight: <None>
Min Conc: <None>



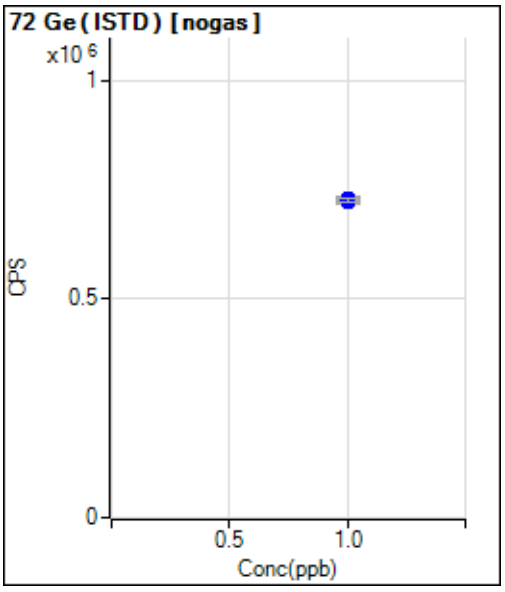
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	400.01	0.0003	P	23.7	
2	☐	2.000	1.835	54698.79	0.0411	P	2.4	-8.3
3	☐	5.000	4.664	137548.10	0.1040	P	2.5	-6.7
4	☐	10.000	9.478	277478.03	0.2110	P	2.3	-5.2
5	☐	100.000	97.244	2817562.25	2.1618	P	1.9	-2.8
6	☐	200.000	201.414	5773185.33	4.4773	P	2.1	0.7
7	☐	1.000						

y = 0.0222 * x + 3.0274E-004
R = 0.9999
DL = 0.009683 ppb
BEC = 0.01362 ppb

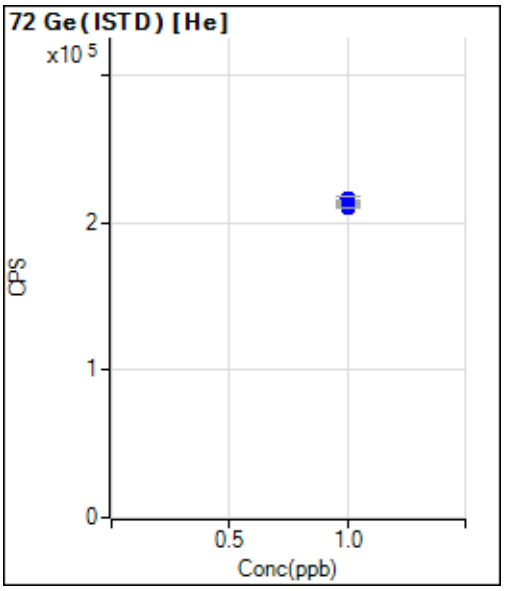
Weight: <None>
Min Conc: <None>



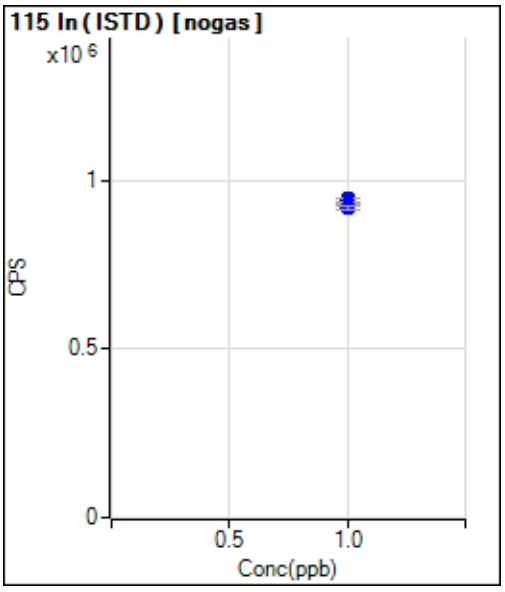
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		679142.08		P	0.6	
2	☐	1.000		670878.48		P	0.1	
3	☐	1.000		663227.64		P	0.3	
4	☐	1.000		664029.91		P	0.5	
5	☐	1.000		633636.11		P	0.4	
6	☐	1.000		595894.85		P	0.7	
7	☐	1.000						



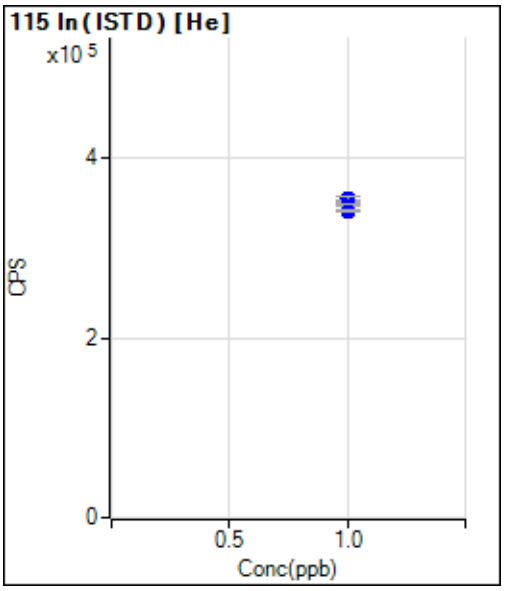
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		729079.52		P	0.8	
2	☐	1.000		726022.07		P	0.3	
3	☐	1.000		723038.61		P	1.4	
4	☐	1.000		723745.67		P	1.1	
5	☐	1.000		729995.77		P	1.4	
6	☐	1.000		727469.31		P	1.3	
7	☐	1.000						



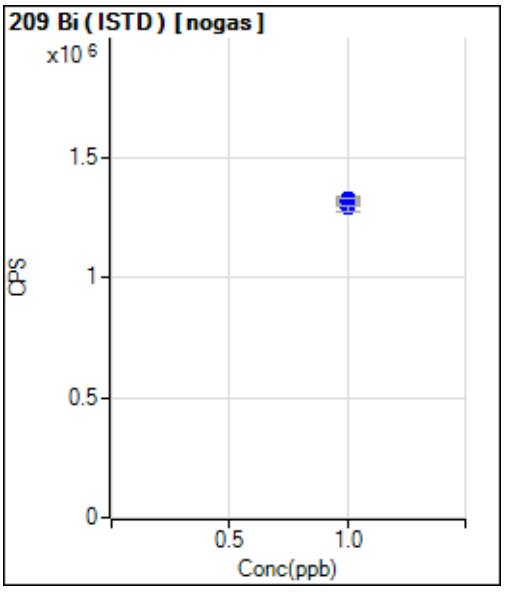
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		212544.33		P	1.5	
2	☐	1.000		214276.38		P	0.9	
3	☐	1.000		216559.06		P	0.9	
4	☐	1.000		212787.92		P	0.4	
5	☐	1.000		211847.50		P	0.9	
6	☐	1.000		210053.80		P	0.3	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		946695.51		P	0.5	
2	☐	1.000		938802.13		P	1.1	
3	☐	1.000		946293.03		P	0.5	
4	☐	1.000		942060.17		P	1.5	
5	☐	1.000		932075.69		P	0.9	
6	☐	1.000		919635.27		P	1.5	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		347275.71		P	0.4	
2	☐	1.000		352075.51		P	0.7	
3	☐	1.000		355272.49		P	0.9	
4	☐	1.000		354463.80		P	1.6	
5	☐	1.000		347393.98		P	0.8	
6	☐	1.000		341337.41		P	0.7	
7	☐	1.000						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1320856.13		P	2.7	
2	☐	1.000		1331802.38		P	1.4	
3	☐	1.000		1323104.30		P	1.3	
4	☐	1.000		1315694.61		P	2.3	
5	☐	1.000		1303491.93		P	1.0	
6	☐	1.000		1289731.12		P	1.7	
7	☐	1.000						

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLICV2
Data File Name	020LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:51:56-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref File Name	010_CCB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	1.911	2.094	6935	2.28	2	95.5	70	120	
B	11	1	nogas	17.427	1.212	45558	0.76	10	174.3	70	120	NewName Main CR1 Failed
Al	27	1	nogas	0.379	36.979	74822	1.50	2	19.0	70	120	NewName Main CR1 Failed
P	31	1	nogas	-32.686	-8.731	25762	0.24	10	-326.9	70	120	NewName Main CR1 Failed
Ti	47	1	nogas	2.066	7.061	1250	6.35	2	103.3	70	120	
Ni	60	1	nogas	2.087	6.079	3764	5.43	2	104.3	70	120	
Cu	63	1	nogas	2.039	2.977	8793	2.60	2	101.9	70	120	
Zn	66	1	nogas	1.848	8.339	3574	5.25	2	92.4	70	120	
Se	77	1	nogas	10.302	22.420	2750	4.54	2	515.1	70	120	NewName Main CR1 Failed
Se	82	1	nogas	1.786	35.818	160	27.24	2	89.3	70	120	
Sr	88	1	nogas	2.019	0.102	20187	1.15	2	101.0	70	120	
Mo	95	1	nogas	1.998	4.386	4431	3.41	2	99.9	70	120	
Ag	107	1	nogas	2.006	5.630	9960	5.64	2	100.3	70	120	
Cd	111	1	nogas	1.903	15.918	2134	15.87	2	95.2	70	120	
Sn	118	1	nogas	2.490	0.503	9753	1.28	2	124.5	70	120	NewName Main CR1 Failed
Sb	121	1	nogas	2.429	2.367	12516	2.01	2	121.5	70	120	NewName Main CR1 Failed
Ba	137	1	nogas	2.062	3.196	3734	2.60	2	103.1	70	120	
Tl	205	1	nogas	1.950	5.758	32422	3.93	2	97.5	70	120	
Pb	208	1	nogas	1.964	2.283	46375	0.42	2	98.2	70	120	
[Pb]	206	1	nogas	1.927	2.182	11405	0.46	2	96.3	70	120	
[Pb]	207	1	nogas	2.011	3.636	10231	2.88	2	100.6	70	120	
U	238	1	nogas	1.887	3.568	55713	2.07	2	94.4	70	120	
Li	7	1	nogas	2.022	4.192	68471	1.32	2	101.1	70	120	
Ba	135	1	nogas	2.110	3.297	2177	4.27	2	105.5	70	120	
Tl	203	1	nogas	1.912	2.449	13100	2.53	2	95.6	70	120	
Na	23	2	He	188.814	1.090	189762	0.99	200	94.4	70	120	
Mg	24	2	He	197.364	0.602	95920	1.07	200	98.7	70	120	
Al	27	2	He	0.640	53.324	3160	3.33	2	32.0	70	120	NewName Main CR1 Failed
K	39	2	He	190.758	2.798	117261	2.36	200	95.4	70	120	
Ca	43	2	He	178.900	5.724	210	4.76	200	89.4	70	120	
Ca	44	2	He	174.985	2.464	3774	2.46	200	87.5	70	120	
V	51	2	He	2.619	4.056	6504	3.72	2	130.9	70	120	NewName Main CR1 Failed
Cr	52	2	He	2.675	4.737	10584	3.57	2	133.7	70	120	NewName Main CR1 Failed
Mn	55	2	He	1.974	3.899	4157	4.14	2	98.7	70	120	
Fe	56	2	He	193.761	0.126	466800	0.90	200	96.9	70	120	
Co	59	2	He	1.958	6.525	6652	5.96	2	97.9	70	120	
Ni	60	2	He	2.136	4.310	1937	4.39	2	106.8	70	120	
Cu	63	2	He	1.955	1.501	4564	0.55	2	97.8	70	120	
Zn	66	2	He	1.739	14.778	1400	8.24	2	86.9	70	120	
As	75	2	He	1.990	4.756	737	4.72	2	99.5	70	120	
Se	77	2	He	2.602	63.669	43	35.25	2	130.1	70	120	NewName Main CR1 Failed
Sb	121	2	He	2.300	4.133	4918	3.13	2	115.0	70	120	
Se	78	2	He	2.067	24.170	83	19.40	2	103.3	70	120	
Ti	47	2	He	1.524	52.909	163	49.87	2	76.2	70	120	
Zr	90	1	nogas	1.629	5.039	11515	4.52	2	81.4	70	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	720635	0.27	727703	99.03	70	120	
In	115	1	nogas	937306	1.08	938620	99.86	70	120	
Li	6	1	nogas	661685	0.21	672423	98.40	70	120	
Bi	209	1	nogas	1318065	1.83	1319929	99.86	70	120	
Ge	72	2	He	212837	0.83	214565	99.19	70	120	
In	115	2	He	356120	1.05	351796	101.23	70	120	

Low Level Continuing Calibration Verification (LLCCV) Report

Sample Table

Sample Name	LLICV5
Data File Name	021LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:54:03-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref File Name	010_CCB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	4.728	0.260	16996	0.55	5	94.6	70	130	
B	11	1	nogas	29.130	1.411	69287	1.82	25	116.5	70	130	
Al	27	1	nogas	2.715	3.009	91950	1.06	5	54.3	70	130	NewName Main CR1 Failed
P	31	1	nogas	-12.061	-92.743	27004	1.71	25	-48.2	70	130	NewName Main CR1 Failed
Ti	47	1	nogas	4.784	6.607	2810	5.52	5	95.7	70	130	
Ni	60	1	nogas	5.043	0.903	8656	0.79	5	100.9	70	130	
Cu	63	1	nogas	5.090	1.142	20895	1.98	5	101.8	70	130	
Zn	66	1	nogas	4.832	1.850	7219	0.68	5	96.6	70	130	
Se	77	1	nogas	14.673	11.011	3027	2.20	5	293.5	70	130	NewName Main CR1 Failed
Se	82	1	nogas	4.890	24.863	373	21.65	5	97.8	70	130	
Sr	88	1	nogas	4.880	1.416	48099	1.55	5	97.6	70	130	
Mo	95	1	nogas	4.746	2.281	10234	2.03	5	94.9	70	130	
Ag	107	1	nogas	5.065	1.497	25166	1.30	5	101.3	70	130	
Cd	111	1	nogas	5.139	3.162	5789	3.31	5	102.8	70	130	
Sn	118	1	nogas	5.123	1.986	19040	1.79	5	102.5	70	130	
Sb	121	1	nogas	5.140	1.138	26134	1.10	5	102.8	70	130	
Ba	137	1	nogas	4.968	5.396	8963	5.30	5	99.4	70	130	
Tl	205	1	nogas	4.860	2.546	81050	1.32	5	97.2	70	130	
Pb	208	1	nogas	4.926	1.711	115022	0.90	5	98.5	70	130	
U	238	1	nogas	4.691	2.178	139098	0.68	5	93.8	70	130	
Li	7	1	nogas	4.842	3.277	98327	1.01	5	96.8	70	130	
Na	23	2	He	484.390	0.831	433163	1.09	500	96.9	70	130	
Mg	24	2	He	501.363	1.007	239845	1.20	500	100.3	70	130	
Al	27	2	He	2.428	21.220	3667	4.23	5	48.6	70	130	NewName Main CR1 Failed
K	39	2	He	490.312	0.429	234026	0.13	500	98.1	70	130	
Ca	43	2	He	504.639	21.787	560	21.65	500	100.9	70	130	
Ca	44	2	He	476.490	4.388	9186	3.70	500	95.3	70	130	
V	51	2	He	5.251	3.415	12255	2.81	5	105.0	70	130	
Cr	52	2	He	5.845	2.231	18635	2.12	5	116.9	70	130	
Mn	55	2	He	5.088	1.164	10194	1.09	5	101.8	70	130	
Fe	56	2	He	496.812	0.154	1173606	0.61	500	99.4	70	130	
Co	59	2	He	5.143	4.552	17317	5.01	5	102.9	70	130	
Ni	60	2	He	5.474	3.559	4701	3.91	5	109.5	70	130	
Cu	63	2	He	5.184	4.186	11395	3.61	5	103.7	70	130	
Zn	66	2	He	4.780	0.685	2824	0.74	5	95.6	70	130	
As	75	2	He	4.724	8.299	1615	7.48	5	94.5	70	130	
Sb	121	2	He	5.065	2.242	10461	1.83	5	101.3	70	130	
Se	78	2	He	4.855	4.673	171	4.44	5	97.1	70	130	
Ti	47	2	He	5.032	11.714	513	11.08	5	100.6	70	130	
Zr	90	1	nogas	4.039	1.858	27392	1.99	5	80.8	70	130	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	729335	1.00	727703	100.22	70	120	
In	115	1	nogas	943134	0.20	938620	100.48	70	120	
Li	6	1	nogas	659995	0.77	672423	98.15	70	120	
Bi	209	1	nogas	1329966	1.52	1319929	100.76	70	120	
Ge	72	2	He	211760	0.46	214565	98.69	70	120	
In	115	2	He	352299	1.03	351796	100.14	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICB
Data File Name	023_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T10:58:17-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Sb	121	1	nogas	0.062	35.6	1103	10.5	2	
V	51	2	He	0.022	532.7	1540	16.2	2.5	
Sb	121	2	He	0.061	3.2	430	0.0	2	
V	51	1	nogas	0.001	32835.2	1404	169.1	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	725159	1.09	729080	99.46	70	120	
In	115	1	nogas	934990	0.78	946696	98.76	70	120	
Li	6	1	nogas	665838	0.61	679142	98.04	70	120	
Bi	209	1	nogas	1317840	1.40	1320856	99.77	70	120	
Ge	72	2	He	215540	0.95	212544	101.41	70	120	
In	115	2	He	353230	0.61	347276	101.71	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSA
Data File Name	024ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:00:25-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	0.017	48.505	118	24.03	2	0.8	100	50	
B	11	1	nogas	4.695	2.699	19267	0.97	20	23.5	100	50	ICSA Main CR1 Failed
Al	27	1	nogas	89863.446	1.290	649569750	0.41	10	898634.5	100	0	
P	31	1	nogas	722071.338	0.596	36002529	1.66	20	3610356.7	100	50	ICSA Main CR1 FailedICSA Main CR2 Failed
Ti	47	1	nogas	2002.987	0.931	1200638	2.39	5	40059.7	100	50	ICSA Main CR1 Failed
Ni	60	1	nogas	2.032	8.961	3834	6.50	5	40.6	100	50	
Cu	63	1	nogas	1.001	3.513	5031	4.21	2	50.0	100	50	
Zn	66	1	nogas	3.724	5.318	5841	2.66	5	74.5	100	50	ICSA Main CR1 Failed
Se	77	1	nogas	8.952	16.352	4351	2.83	5	179.0	100	50	ICSA Main CR1 Failed
Se	82	1	nogas	-0.214	-187.522	80	37.50	2	-10.7	100	50	
Sr	88	1	nogas	0.956	1.668	9070	1.93	5	19.1	100	50	
Mo	95	1	nogas	2036.435	0.975	3985527	2.06	5	40728.7	100	50	ICSA Main CR1 Failed
Ag	107	1	nogas	0.038	44.037	237	32.82	5	0.8	100	50	
Cd	111	1	nogas	1.117	25.491	1171	26.20	2	55.9	100	50	
Sn	118	1	nogas	0.371	17.937	2594	9.40	10	3.7	100	50	
Sb	121	1	nogas	0.139	23.332	1570	9.03	4	3.5	100	50	
Ba	137	1	nogas	0.387	25.272	857	17.87	5	7.7	100	50	
Tl	205	1	nogas	0.018	30.380	520	15.74	2	0.9	100	50	
Pb	208	1	nogas	1.123	5.886	24643	4.74	5	22.5	100	50	
U	238	1	nogas	0.010	24.453	640	10.94	5	0.2	0	50	
Li	7	1	nogas	0.327	6.931	48696	0.91		#DIV/0!	0	50	
Ba	135	1	nogas	0.458	19.763	500	16.37		#DIV/0!	0	50	
Tl	203	1	nogas	0.018	18.610	217	9.61		#DIV/0!	0	50	
Na	23	2	He	97778.567	1.018	84110967	0.62	200	48889.3	100	0	
Mg	24	2	He	96210.695	0.284	47524634	0.63	200	48105.3	100	0	
Al	27	2	He	94933.939	0.529	28412586	0.28	10	949339.4	100	0	
K	39	2	He	97584.603	0.738	39801453	0.13	200	48792.3	100	0	
Ca	43	2	He	95712.816	1.545	107108	1.23	200	47856.4	100	0	
Ca	44	2	He	95326.756	0.831	1787240	0.18	200	47663.4	100	0	
V	51	2	He	0.198	82.085	1976	18.68	5	4.0	100	50	
Cr	52	2	He	0.868	0.559	7906	0.57	5	17.4	100	50	
Mn	55	2	He	1.800	8.435	3821	7.37	5	36.0	100	50	
Fe	56	2	He	96487.821	2.310	234768763	1.75	200	48243.9	100	50	ICSA Main CR1 Failed
Co	59	2	He	1.140	6.551	4007	5.93	5	22.8	100	50	
Ni	60	2	He	1.189	3.547	1123	2.57	5	23.8	100	50	
Cu	63	2	He	0.749	8.521	2057	7.38	2	37.4	100	50	
Zn	66	2	He	3.066	15.471	1957	11.34	5	61.3	100	50	ICSA Main CR1 Failed
As	75	2	He	0.400	25.343	266	13.07	5	8.0	100	50	
Sb	121	2	He	0.150	39.162	623	19.01	4	3.7	100	50	
Se	78	2	He	0.149	71.347	18	19.25	2	7.5	100	50	
Ti	47	2	He	1931.858	0.839	201020	1.13	5	38637.2	100	50	ICSA Main CR1 Failed
Cr	52	1	nogas	0.287	20.773	15368	1.24		#DIV/0!	0	50	
Mn	55	1	nogas	0.914	6.327	11741	6.18		#DIV/0!	0	50	
Co	59	1	nogas	1.024	3.053	8222	1.58		#DIV/0!	0	50	
V	51	1	nogas	-0.084	-539.710	782	483.55		#DIV/0!	0	50	
Fe	56	1	nogas	93597.615	0.459	742138309	2.14		#DIV/0!	0	50	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	768401	1.68	729080	105.39	70	120	
In	115	1	nogas	878212	1.10	946696	92.77	70	120	
Li	6	1	nogas	633519	0.43	679142	93.28	70	120	
Bi	209	1	nogas	1205669	0.99	1320856	91.28	70	120	
Ge	72	2	He	220169	0.73	212544	103.59	70	120	
In	115	2	He	336894	0.79	347276	97.01	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	025ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:02:29-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High	QC Flag
Be	9	1	nogas	88.943	0.180	319372	1.02	100	88.9	80	120	
B	11	1	nogas	476.485	1.105	1017695	1.98	100	476.5	80	120	ICSB Main CR1 Failed
Al	27	1	nogas	91096.098	0.633	692511243	1.96	100100	91.0	80	120	
Ti	47	1	nogas	2190.603	0.438	1380757	2.37	2100	104.3	80	120	
Ni	60	1	nogas	90.147	1.344	164190	3.25	100	90.1	80	120	
Cu	63	1	nogas	88.667	0.584	387053	1.36	100	88.7	80	120	
Zn	66	1	nogas	94.783	1.762	128101	1.10	100	94.8	80	120	
Se	77	1	nogas	121.735	5.717	10360	4.73	100	121.7	80	120	ICSB Main CR1 Failed
Se	82	1	nogas	94.065	0.722	7179	2.62	100	94.1	80	120	
Sr	88	1	nogas	102.557	1.220	986651	1.09	100	102.6	80	120	
Mo	95	1	nogas	2204.013	0.876	4585222	0.97	2100	105.0	80	120	
Ag	107	1	nogas	109.384	1.232	536129	0.56	100	109.4	80	120	
Cd	111	1	nogas	101.317	0.484	112865	1.66	100	101.3	80	120	
Sn	118	1	nogas	99.847	0.670	347497	2.27	100	99.8	80	120	
Sb	121	1	nogas	95.400	1.021	525720	1.77	100	95.4	80	120	
Ba	137	1	nogas	101.653	1.824	180380	1.85	100	101.7	80	120	
Tl	205	1	nogas	99.682	2.627	1568079	2.01	100	99.7	80	120	
Pb	208	1	nogas	101.168	2.213	2208639	1.80	100	101.2	80	120	
U	238	1	nogas	100.498	2.147	2813762	1.57	100	100.5	80	120	
Li	7	1	nogas	95.627	0.849	1070986	1.15	100	95.6	80	120	
Na	23	2	He	107848.835	1.741	95834339	1.55	110000	98.0	80	120	
Mg	24	2	He	107106.807	0.951	54652931	0.83	110000	97.4	80	120	
Al	27	2	He	94863.597	1.449	29327926	0.84	100100	94.8	80	120	
K	39	2	He	107733.777	1.646	45385629	0.99	110000	97.9	80	120	
Ca	43	2	He	105290.864	0.998	121721	1.32	110000	95.7	80	120	
Ca	44	2	He	107140.663	1.171	2075011	0.87	110000	97.4	80	120	
V	51	2	He	96.103	2.261	227970	1.55	100	96.1	80	120	
Cr	52	2	He	94.511	2.287	264191	1.63	100	94.5	80	120	
Mn	55	2	He	94.510	1.576	197722	0.94	100	94.5	80	120	
Fe	56	2	He	106847.963	1.030	268572949	0.34	110000	97.1	80	120	
Co	59	2	He	93.060	1.124	335684	0.31	100	93.1	80	120	
Ni	60	2	He	90.992	0.963	81353	0.08	100	91.0	80	120	
Cu	63	2	He	90.806	1.407	207424	0.70	100	90.8	80	120	
Zn	66	2	He	96.428	2.057	49262	1.25	100	96.4	80	120	
As	75	2	He	97.347	0.419	33842	0.90	100	97.3	80	120	
Sb	121	2	He	95.633	0.645	207113	1.52	100	95.6	80	120	
Se	78	2	He	96.993	0.785	3297	1.36	100	97.0	80	120	
Ti	47	2	He	2056.658	1.679	221070	1.78	100	2056.7	80	120	ICSB Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	808006	1.93	729080	110.83	70	120	
In	115	1	nogas	933692	1.73	946696	98.63	70	120	
Li	6	1	nogas	634212	0.98	679142	93.38	70	120	
Bi	209	1	nogas	1259544	0.62	1320856	95.36	70	120	
Ge	72	2	He	227444	1.04	212544	107.01	70	120	
In	115	2	He	345202	1.79	347276	99.40	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	029_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:13:28-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.021	17.7	140	9.4	2.5	
B	11	1	nogas	1.300	12.0	12749	2.7	2.5	
Al	27	1	nogas	-3.706	-2.5	63114	0.6	5	
P	31	1	nogas	-41.030	-15.7	24663	1.3	2.5	
Ti	47	1	nogas	0.304	7.9	247	6.2	2.5	
Ni	60	1	nogas	0.327	17.7	870	11.0	2.5	
Cu	63	1	nogas	0.015	72.6	927	4.4	5	
Zn	66	1	nogas	0.854	16.9	2137	8.1	2.5	
Se	77	1	nogas	-34.852	-9.0	2164	7.4	2.5	
Se	82	1	nogas	-0.563	-103.7	53	75.8	5	
Sr	88	1	nogas	0.022	29.7	700	10.0	2.5	
Mo	95	1	nogas	0.331	2.1	910	1.1	2.5	
Ag	107	1	nogas	0.022	34.8	180	22.2	2.5	
Cd	111	1	nogas	0.037	70.3	43	71.8	2.5	
Sn	118	1	nogas	-0.073	-30.5	1277	5.9	2.5	
Sb	121	1	nogas	-0.024	-28.9	703	4.6	2	
Ba	137	1	nogas	-0.062	-19.2	123	18.7	2.5	
Tl	205	1	nogas	0.019	22.9	610	11.4	2.5	
Pb	208	1	nogas	0.020	16.0	1847	2.1	2.5	
U	238	1	nogas	0.021	17.3	1070	10.1	2.5	
Na	23	2	He	6.156	6.0	32301	1.0	100	
Mg	24	2	He	2.999	3.3	2217	2.3	100	
Al	27	2	He	-3.540	-1.9	2770	0.6	5	
K	39	2	He	0.269	720.6	42516	1.8	100	
Ca	43	2	He	-12.597	-70.7	10	100.0	100	
Ca	44	2	He	-1.602	-114.8	430	8.1	100	
V	51	2	He	-0.176	-61.9	1127	22.1	2.5	
Cr	52	2	He	-0.713	-11.9	3731	6.1	2.5	
Mn	55	2	He	0.151	18.7	487	11.9	2.5	
Fe	56	2	He	4.568	2.7	17988	1.7	100	
Co	59	2	He	0.027	42.2	123	32.8	2.5	
Ni	60	2	He	0.250	38.8	313	26.8	2.5	
Cu	63	2	He	0.047	76.3	510	15.7	5	
Zn	66	2	He	0.766	12.9	833	5.9	2.5	
As	75	2	He	-0.174	-49.3	73	39.4	2.5	
Sb	121	2	He	-0.039	-76.7	230	27.2	2	
Se	78	2	He	0.066	191.4	15	27.2	5	
Ti	47	2	He	0.027	201.7	17	34.6	2.5	

Continuing Calibration Blank (CCB) Report

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	750655	0.51	729080	102.96	70	120	
In	115	1	nogas	980416	0.82	946696	103.56	70	120	
Li	6	1	nogas	667883	0.62	679142	98.34	70	120	
Bi	209	1	nogas	1384197	2.40	1320856	104.80	70	120	
Ge	72	2	He	220752	0.10	212544	103.86	70	120	
In	115	2	He	371477	1.46	347276	106.97	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	030_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:15:35-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	95.806	0.909	340721	1.10	100	95.8	90	110	
B	11	1	nogas	465.795	2.165	985506	2.26	500	93.2	90	110	
Al	27	1	nogas	98.640	0.952	786828	1.56	100	98.6	90	110	
P	31	1	nogas	579.105	4.194	54915	2.42	500	115.8	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	99.045	1.112	58131	1.43	100	99.0	90	110	
Ni	60	1	nogas	101.334	1.631	171618	2.25	100	101.3	90	110	
Cu	63	1	nogas	101.721	0.899	412945	1.63	100	101.7	90	110	
Zn	66	1	nogas	100.853	2.598	126740	2.62	100	100.9	90	110	
Se	77	1	nogas	99.042	1.825	8553	1.63	100	99.0	90	110	
Se	82	1	nogas	102.501	4.421	7269	5.10	100	102.5	90	110	
Sr	88	1	nogas	99.141	0.733	988251	1.17	100	99.1	90	110	
Mo	95	1	nogas	98.605	1.416	212727	1.91	100	98.6	90	110	
Ag	107	1	nogas	100.705	0.948	511433	1.20	100	100.7	90	110	
Cd	111	1	nogas	100.329	1.056	115790	1.33	100	100.3	90	110	
Sn	118	1	nogas	98.139	1.285	353860	1.70	100	98.1	90	110	
Sb	121	1	nogas	100.496	1.352	515140	2.03	100	100.5	90	110	
Ba	137	1	nogas	98.973	1.789	181973	2.08	100	99.0	90	110	
Tl	205	1	nogas	97.746	2.811	1667842	1.84	100	97.7	90	110	
Pb	208	1	nogas	97.830	2.473	2316637	1.49	100	97.8	90	110	
U	238	1	nogas	96.883	2.485	2942300	1.57	100	96.9	90	110	
Li	7	1	nogas	95.746	0.553	1062018	0.74	100	95.7	90	110	
Ba	135	1	nogas	99.874	0.482	103312	0.81	100	99.9	90	110	
Tl	203	1	nogas	98.130	2.346	685608	1.42	100	98.1	90	110	
Na	23	2	He	9704.696	0.824	8370237	0.11	10000	97.0	90	110	
Mg	24	2	He	9850.923	0.788	4865250	0.21	10000	98.5	90	110	
Al	27	2	He	96.332	2.482	32638	1.49	100	96.3	90	110	
K	39	2	He	9723.989	0.620	4003163	0.36	10000	97.2	90	110	
Ca	43	2	He	10100.643	5.465	11321	5.20	10000	101.0	90	110	
Ca	44	2	He	9815.991	0.856	184411	1.38	10000	98.2	90	110	
V	51	2	He	99.808	1.342	229087	1.01	100	99.8	90	110	
Cr	52	2	He	100.059	0.297	270388	0.86	100	100.1	90	110	
Mn	55	2	He	99.865	1.103	202194	1.14	100	99.9	90	110	
Fe	56	2	He	9997.949	0.579	24327881	0.15	10000	100.0	90	110	
Co	59	2	He	100.024	1.214	349188	0.95	100	100.0	90	110	
Ni	60	2	He	100.168	1.577	86669	2.05	100	100.2	90	110	
Cu	63	2	He	101.662	0.961	224699	0.52	100	101.7	90	110	
Zn	66	2	He	100.150	2.680	49505	3.07	100	100.1	90	110	
As	75	2	He	98.628	1.526	33178	0.80	100	98.6	90	110	
Sb	121	2	He	99.938	0.590	209444	1.13	100	99.9	90	110	
Se	78	2	He	102.779	0.499	3380	1.22	100	102.8	90	110	
Ti	47	2	He	97.841	2.490	10190	1.91	100	97.8	90	110	
Zr	90	1	nogas	94.279	1.422	634893	1.89	100	94.3	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	751573	0.74	729080	103.09	70	120	
In	115	1	nogas	967294	0.58	946696	102.18	70	120	
Li	6	1	nogas	628142	0.30	679142	92.49	70	120	
Bi	209	1	nogas	1366312	0.98	1320856	103.44	70	120	
Ge	72	2	He	220112	0.73	212544	103.56	70	120	
In	115	2	He	363440	0.25	347276	104.65	70	120	

Sample Report

Sample Table

Sample Name	MBLK-214521
Data File Name	033SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:21:54-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	-0.005	-0.005	-15.76	43	-0.01	2000	
B	11	1	nogas	2.889	2.889	9.01	16138	0.02	2000	
Al	27	1	nogas	0.535	0.535	13.29	91173	0.00	2000	
Ti	47	1	nogas	0.063	0.063	125.37	103	0.06	2000	
Ni	60	1	nogas	0.011	0.011	104.59	330	0.00	2000	
Cu	63	1	nogas	0.009	0.009	228.38	883	0.00	2000	
Zn	66	1	nogas	0.937	0.937	22.93	2194	0.04	2000	
Se	77	1	nogas	-15.481	-15.481	-35.06	3024	-0.51	2000	
Se	82	1	nogas	-0.108	-0.108	-481.51	83	-0.13	2000	
Sr	88	1	nogas	0.034	0.034	47.65	803	0.00	2000	
Mo	95	1	nogas	0.134	0.134	4.80	473	0.03	2000	
Ag	107	1	nogas	0.011	0.011	56.34	123	0.01	2000	
Cd	111	1	nogas	-0.001	-0.001	-2738.15	-1	0.04	2000	
Sn	118	1	nogas	0.059	0.059	54.33	1730	0.00	2000	
Sb	121	1	nogas	0.057	0.057	15.93	1097	0.01	2000	
Ba	137	1	nogas	0.063	0.063	18.75	350	0.02	2000	
Tl	205	1	nogas	0.006	0.006	24.22	380	0.00	2000	
Pb	208	1	nogas	0.000	0.000	-674.63	1323	0.00	2000	
U	238	1	nogas	0.001	0.001	39.40	453	0.00	2000	
Na	23	2	He	7.278	7.278	8.01	32748	0.02	200000	
Mg	24	2	He	6.619	6.619	5.68	3947	0.17	200000	
Al	27	2	He	1.143	1.143	116.04	4111	0.03	2000	
K	39	2	He	4.434	4.434	44.96	43526	0.01	200000	
Ca	43	2	He	2.629	2.629	196.11	27	9.86	200000	
Ca	44	2	He	14.442	14.442	15.66	720	2.01	200000	
V	51	2	He	-0.056	-0.056	-267.64	1379	0.00	2000	
Cr	52	2	He	-0.128	-0.128	-72.20	5201	0.00	2000	
Mn	55	2	He	0.167	0.167	13.82	510	0.03	2000	
Fe	56	2	He	3.698	3.698	3.90	15615	0.02	200000	
Co	59	2	He	0.008	0.008	103.86	57	0.01	2000	
Ni	60	2	He	0.064	0.064	183.86	150	0.04	2000	
Cu	63	2	He	0.007	0.007	643.24	413	0.00	2000	
Zn	66	2	He	0.682	0.682	19.43	780	0.09	2000	
As	75	2	He	-0.073	-0.073	-32.32	106	-0.07	2000	
Sb	121	2	He	0.048	0.048	49.65	407	0.01	2000	
Se	78	2	He	0.012	0.012	306.15	13	0.09	2000	
Ti	47	2	He	0.030	0.030	375.85	17	0.18	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	735363	0.77	729080	100.86	70	120	
In	115	1	nogas	966161	0.63	946696	102.06	70	120	

Sample Report

Li	6	1	nogas	661735	0.05	679142	97.44	70	120	
Bi	209	1	nogas	1350390	1.75	1320856	102.24	70	120	
Ge	72	2	He	217298	0.36	212544	102.24	70	120	
In	115	2	He	359978	0.35	347276	103.66	70	120	

Sample Report

Sample Table

Sample Name	LCS-214521
Data File Name	034SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:24:00-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	44.204	44.204	0.65	160021	0.03	2000	
B	11	1	nogas	447.249	447.249	0.88	963465	0.05	2000	
Al	27	1	nogas	51.563	51.563	1.48	438148	0.01	2000	
Ti	47	1	nogas	49.460	49.460	2.67	28046	0.18	2000	
Ni	60	1	nogas	49.957	49.957	1.10	81829	0.06	2000	
Cu	63	1	nogas	52.047	52.047	0.95	204332	0.03	2000	
Zn	66	1	nogas	49.252	49.252	3.06	60265	0.08	2000	
Se	77	1	nogas	42.514	42.514	21.47	5651	0.75	2000	
Se	82	1	nogas	48.193	48.193	5.20	3344	1.44	2000	
Sr	88	1	nogas	0.056	0.056	20.06	997	0.01	2000	
Mo	95	1	nogas	48.321	48.321	1.65	101996	0.05	2000	
Ag	107	1	nogas	55.275	55.275	0.63	274481	0.02	2000	
Cd	111	1	nogas	48.632	48.632	1.11	54869	0.09	2000	
Sn	118	1	nogas	0.274	0.274	12.83	2450	0.01	2000	
Sb	121	1	nogas	49.299	49.299	1.74	244368	0.02	2000	
Ba	137	1	nogas	49.429	49.429	0.87	88960	0.06	2000	
Tl	205	1	nogas	48.391	48.391	2.16	797038	0.01	2000	
Pb	208	1	nogas	49.067	49.067	1.81	1122042	0.00	2000	
U	238	1	nogas	0.005	0.005	32.64	540	0.00	2000	
Na	23	2	He	4948.889	4948.889	0.49	4207832	0.12	200000	
Mg	24	2	He	4995.001	4995.001	0.81	2424819	0.21	200000	
Al	27	2	He	51.245	51.245	1.58	18822	0.27	2000	
K	39	2	He	4860.823	4860.823	0.46	1987392	0.24	200000	
Ca	43	2	He	4916.344	4916.344	2.64	5428	90.58	200000	
Ca	44	2	He	4868.925	4868.925	1.77	90116	5.40	200000	
V	51	2	He	47.832	47.832	3.89	108668	0.04	2000	
Cr	52	2	He	49.726	49.726	0.47	134827	0.04	2000	
Mn	55	2	He	49.180	49.180	0.72	97947	0.05	2000	
Fe	56	2	He	5059.657	5059.657	0.80	12102769	0.04	200000	
Co	59	2	He	49.835	49.835	1.67	170989	0.03	2000	
Ni	60	2	He	50.211	50.211	1.18	42741	0.12	2000	
Cu	63	2	He	51.554	51.554	0.75	112181	0.05	2000	
Zn	66	2	He	48.171	48.171	0.73	23632	0.20	2000	
As	75	2	He	48.452	48.452	0.84	16084	0.30	2000	
Sb	121	2	He	48.563	48.563	0.19	100176	0.05	2000	
Se	78	2	He	49.818	49.818	3.43	1617	3.08	2000	
Ti	47	2	He	48.363	48.363	2.46	4958	0.98	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	725483	1.69	729080	99.51	70	120	
In	115	1	nogas	945692	0.85	946696	99.89	70	120	
Li	6	1	nogas	639287	0.91	679142	94.13	70	120	
Bi	209	1	nogas	1318498	0.51	1320856	99.82	70	120	

Sample Report

Ge	72	2	He	216314	0.30	212544	101.77	70	120	
In	115	2	He	358203	0.79	347276	103.15	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	039_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:34:33-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.022	46.1	147	26.0	2.5	
B	11	1	nogas	2.969	4.9	16484	1.6	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-4.417	-3.8	57973	1.6	5	
P	31	1	nogas	-39.396	-64.0	24690	4.8	2.5	
Ti	47	1	nogas	0.059	135.0	103	45.7	2.5	
Ni	60	1	nogas	0.294	32.7	813	20.2	2.5	
Cu	63	1	nogas	0.038	96.3	1017	14.8	5	
Zn	66	1	nogas	0.881	7.5	2167	3.7	2.5	
Se	77	1	nogas	-43.226	-7.8	1760	8.9	2.5	
Se	82	1	nogas	-0.228	-133.6	77	27.2	5	
Sr	88	1	nogas	0.019	23.2	670	6.8	2.5	
Mo	95	1	nogas	0.115	42.9	440	24.6	2.5	
Ag	107	1	nogas	0.027	40.2	207	26.7	2.5	
Cd	111	1	nogas	0.026	87.9	30	89.8	2.5	
Sn	118	1	nogas	-0.137	-17.9	1050	8.5	2.5	
Sb	121	1	nogas	0.120	22.8	1437	9.9	2	
Ba	137	1	nogas	-0.051	-106.6	143	71.3	2.5	
Tl	205	1	nogas	0.025	17.8	703	10.5	2.5	
Pb	208	1	nogas	0.020	37.7	1800	9.6	2.5	
U	238	1	nogas	0.019	16.4	983	7.8	2.5	
Na	23	2	He	2.773	11.5	29355	2.3	100	
Mg	24	2	He	2.251	7.4	1843	3.1	100	
Al	27	2	He	-4.468	-17.0	2487	7.7	5	
K	39	2	He	2.146	46.6	43238	1.9	100	
Ca	43	2	He	23.024	65.1	50	34.6	100	
Ca	44	2	He	-0.403	-1559.9	453	27.4	100	
V	51	2	He	-0.269	-8.2	912	4.2	2.5	
Cr	52	2	He	-0.697	-14.3	3767	5.8	2.5	
Mn	55	2	He	0.128	17.4	440	11.8	2.5	
Fe	56	2	He	3.406	1.8	15138	2.5	100	
Co	59	2	He	0.027	26.4	123	18.7	2.5	
Ni	60	2	He	0.328	17.8	380	12.1	2.5	
Cu	63	2	He	0.032	227.9	477	35.1	5	
Zn	66	2	He	0.754	6.2	827	3.7	2.5	
As	75	2	He	-0.064	-54.3	110	10.9	2.5	
Sb	121	2	He	0.119	19.3	560	7.1	2	
Se	78	2	He	0.249	10.0	21	5.4	5	
Ti	47	2	He	0.061	163.9	20	50.0	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	749087	0.49	729080	102.74	70	120	
In	115	1	nogas	984907	0.10	946696	104.04	70	120	
Li	6	1	nogas	668593	0.56	679142	98.45	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	1351764	2.29	1320856	102.34	70	120	
Ge	72	2	He	220522	1.63	212544	103.75	70	120	
In	115	2	He	365218	0.46	347276	105.17	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	040_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:36:41-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	96.112	1.447	342433	1.40	100	96.1	90	110	
B	11	1	nogas	463.857	2.451	983259	2.55	500	92.8	90	110	
Al	27	1	nogas	99.362	1.589	789169	1.72	100	99.4	90	110	
P	31	1	nogas	584.038	3.119	54958	0.56	500	116.8	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	100.692	0.901	58891	0.80	100	100.7	90	110	
Ni	60	1	nogas	101.814	0.782	171819	0.90	100	101.8	90	110	
Cu	63	1	nogas	101.455	0.205	410460	1.82	100	101.5	90	110	
Zn	66	1	nogas	101.939	0.595	127668	2.21	100	101.9	90	110	
Se	77	1	nogas	95.159	4.316	8339	3.11	100	95.2	90	110	
Se	82	1	nogas	97.649	3.247	6902	1.76	100	97.6	90	110	
Sr	88	1	nogas	99.683	0.301	984839	1.46	100	99.7	90	110	
Mo	95	1	nogas	98.675	0.696	210993	2.04	100	98.7	90	110	
Ag	107	1	nogas	101.349	1.701	510210	2.94	100	101.3	90	110	
Cd	111	1	nogas	100.243	1.662	114680	2.92	100	100.2	90	110	
Sn	118	1	nogas	98.632	1.352	352498	2.50	100	98.6	90	110	
Sb	121	1	nogas	100.790	0.225	514870	1.76	100	100.8	90	110	
Ba	137	1	nogas	100.614	0.531	183336	1.07	100	100.6	90	110	
Tl	205	1	nogas	98.044	3.666	1647568	2.00	100	98.0	90	110	
Pb	208	1	nogas	99.029	2.910	2309645	1.42	100	99.0	90	110	
U	238	1	nogas	97.874	2.601	2927592	0.92	100	97.9	90	110	
Li	7	1	nogas	95.884	1.499	1065451	1.53	100	95.9	90	110	
Ba	135	1	nogas	101.206	0.812	103765	2.01	100	101.2	90	110	
Tl	203	1	nogas	99.263	4.311	682923	2.59	100	99.3	90	110	
Na	23	2	He	9935.234	1.689	8610885	1.69	10000	99.4	90	110	
Mg	24	2	He	9880.392	0.501	4903942	0.38	10000	98.8	90	110	
Al	27	2	He	97.930	1.852	33283	1.76	100	97.9	90	110	
K	39	2	He	9779.295	0.833	4045575	0.82	10000	97.8	90	110	
Ca	43	2	He	9655.441	0.728	10877	0.58	10000	96.6	90	110	
Ca	44	2	He	9923.970	0.189	187346	0.10	10000	99.2	90	110	
V	51	2	He	99.961	1.025	230570	0.94	100	100.0	90	110	
Cr	52	2	He	100.061	0.280	271721	0.24	100	100.1	90	110	
Mn	55	2	He	99.328	0.904	202099	0.77	100	99.3	90	110	
Fe	56	2	He	9988.162	0.741	24424265	0.81	10000	99.9	90	110	
Co	59	2	He	100.466	0.365	352463	0.32	100	100.5	90	110	
Ni	60	2	He	102.537	0.708	89150	0.85	100	102.5	90	110	
Cu	63	2	He	101.069	1.374	224496	1.28	100	101.1	90	110	
Zn	66	2	He	101.319	2.273	50321	2.32	100	101.3	90	110	
As	75	2	He	99.653	1.592	33688	1.45	100	99.7	90	110	
Sb	121	2	He	100.281	0.216	211192	0.35	100	100.3	90	110	
Se	78	2	He	98.085	2.396	3242	2.35	100	98.1	90	110	
Ti	47	2	He	99.524	3.439	10417	3.36	100	99.5	90	110	
Zr	90	1	nogas	95.452	1.456	637107	2.44	100	95.5	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	749030	1.67	729080	102.74	70	120	
In	115	1	nogas	958741	1.56	946696	101.27	70	120	
Li	6	1	nogas	629305	0.48	679142	92.66	70	120	
Bi	209	1	nogas	1345920	1.78	1320856	101.90	70	120	
Ge	72	2	He	221194	0.15	212544	104.07	70	120	
In	115	2	He	366118	0.92	347276	105.43	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-04
Data File Name	041SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:38:46-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.188	0.188	20.13	760	0.02	2000	
B	11	1	nogas	33.781	33.781	9.53	83619	0.04	2000	
Al	27	1	nogas	67.957	67.957	0.13	570699	0.01	2000	
Ti	47	1	nogas	3.956	3.956	7.23	2390	0.17	2000	
Ni	60	1	nogas	17.303	17.303	0.82	29610	0.06	2000	
Cu	63	1	nogas	59.804	59.804	0.58	243492	0.02	2000	
Zn	66	1	nogas	188.190	188.190	1.46	235941	0.08	2000	
Se	77	1	nogas	22.135	22.135	32.67	4894	0.45	2000	
Se	82	1	nogas	0.239	0.239	267.17	110	0.22	2000	
Sr	88	1	nogas	237.558	237.558	1.07	2383017	0.01	2000	
Mo	95	1	nogas	0.951	0.951	31.65	2237	0.04	2000	
Ag	107	1	nogas	0.083	0.083	10.79	490	0.02	2000	
Cd	111	1	nogas	0.231	0.231	43.81	269	0.09	2000	
Sn	118	1	nogas	2.034	2.034	20.26	8856	0.02	2000	
Sb	121	1	nogas	1.536	1.536	14.12	8693	0.02	2000	
Ba	137	1	nogas	402.182	402.182	1.23	743634	0.05	2000	
Tl	205	1	nogas	0.543	0.543	54.05	9358	0.01	2000	
Pb	208	1	nogas	0.335	0.335	9.47	9095	0.00	2000	
U	238	1	nogas	0.192	0.192	22.65	6122	0.00	2000	
Na	23	2	He	57742.728	57742.728	1.68	51342186	0.11	200000	
Mg	24	2	He	9599.004	9599.004	1.70	4900480	0.20	200000	
Al	27	2	He	68.720	68.720	2.10	25201	0.27	2000	
K	39	2	He	1098.287	1098.287	1.52	506146	0.22	200000	
Ca	43	2	He	12317.131	12317.131	2.57	14267	86.33	200000	
Ca	44	2	He	12100.939	12100.939	1.34	234876	5.15	200000	
V	51	2	He	0.809	0.809	8.96	3485	0.02	2000	
Cr	52	2	He	6.070	6.070	1.89	22400	0.03	2000	
Mn	55	2	He	385.599	385.599	1.16	806492	0.05	2000	
Fe	56	2	He	3549.568	3549.568	1.97	8932307	0.04	200000	
Co	59	2	He	2.507	2.507	2.92	9073	0.03	2000	
Ni	60	2	He	16.830	16.830	2.92	15138	0.11	2000	
Cu	63	2	He	58.377	58.377	0.98	133560	0.04	2000	
Zn	66	2	He	188.259	188.259	1.75	95792	0.20	2000	
As	75	2	He	1.660	1.660	14.63	710	0.23	2000	
Sb	121	2	He	0.983	0.983	13.36	2450	0.04	2000	
Se	78	2	He	0.802	0.802	24.24	41	1.97	2000	
Ti	47	2	He	3.647	3.647	18.18	407	0.90	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	752675	1.39	729080	103.24	70	120	
In	115	1	nogas	973824	2.88	946696	102.87	70	120	
Li	6	1	nogas	656700	1.90	679142	96.70	70	120	
Bi	209	1	nogas	1340914	0.19	1320856	101.52	70	120	

Sample Report

Ge	72	2	He	227548	1.30	212544	107.06	70	120	
In	115	2	He	375128	0.71	347276	108.02	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-04SD
Data File Name	042SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:40:51-05:00
Sample Type	Sample
Dilution	5
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.028	0.140	14.60	175	0.02	2000	
B	11	1	nogas	9.092	45.459	1.82	31392	0.03	2000	
Al	27	1	nogas	10.840	54.200	3.65	174323	0.01	2000	
Ti	47	1	nogas	0.571	2.853	38.06	423	0.13	2000	
Ni	60	1	nogas	3.675	18.374	3.48	6858	0.05	2000	
Cu	63	1	nogas	12.501	62.506	0.76	54081	0.02	2000	
Zn	66	1	nogas	39.908	199.542	0.56	53338	0.07	2000	
Se	77	1	nogas	7.356	36.778	18.99	4387	0.17	2000	
Se	82	1	nogas	-0.014	-0.072	-4644.43	97	-0.01	2000	
Sr	88	1	nogas	47.955	239.773	0.88	506600	0.01	2000	
Mo	95	1	nogas	0.161	0.805	30.07	563	0.03	2000	
Ag	107	1	nogas	0.003	0.014	75.89	87	0.00	2000	
Cd	111	1	nogas	0.057	0.285	49.32	69	0.08	2000	
Sn	118	1	nogas	0.000	0.001	2763.72	1613	0.00	2000	
Sb	121	1	nogas	0.281	1.406	6.66	2380	0.01	2000	
Ba	137	1	nogas	81.304	406.518	0.86	158388	0.05	2000	
Tl	205	1	nogas	0.019	0.095	8.00	630	0.00	2000	
Pb	208	1	nogas	0.054	0.269	8.61	2713	0.00	2000	
U	238	1	nogas	0.021	0.107	23.94	1107	0.00	2000	
Na	23	2	He	11788.125	58940.625	2.62	10748886	0.11	200000	
Mg	24	2	He	1951.299	9756.496	1.66	1020074	0.19	200000	
Al	27	2	He	10.530	52.651	15.48	7372	0.14	2000	
K	39	2	He	215.856	1079.282	3.62	137726	0.16	200000	
Ca	43	2	He	2289.230	11446.148	3.77	2734	83.74	200000	
Ca	44	2	He	2446.797	12233.986	1.64	48989	4.99	200000	
V	51	2	He	-0.176	-0.878	-48.84	1187	-0.01	2000	
Cr	52	2	He	0.558	2.791	18.08	7492	0.01	2000	
Mn	55	2	He	78.451	392.253	1.64	168058	0.05	2000	
Fe	56	2	He	702.660	3513.299	2.11	1815225	0.04	200000	
Co	59	2	He	0.540	2.698	11.70	2020	0.03	2000	
Ni	60	2	He	3.573	17.866	5.20	3367	0.11	2000	
Cu	63	2	He	12.255	61.273	3.54	29022	0.04	2000	
Zn	66	2	He	39.457	197.284	3.89	20918	0.19	2000	
As	75	2	He	0.286	1.429	31.39	240	0.12	2000	
Sb	121	2	He	0.243	1.216	6.48	867	0.03	2000	
Se	78	2	He	0.137	0.684	351.51	19	0.73	2000	
Ti	47	2	He	0.569	2.844	93.18	77	0.74	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	789112	0.79	729080	108.23	70	120	
In	115	1	nogas	1024698	1.12	946696	108.24	70	120	
Li	6	1	nogas	696291	0.66	679142	102.53	70	120	
Bi	209	1	nogas	1416799	1.59	1320856	107.26	70	120	

Sample Report

Ge	72	2	He	232865	1.48	212544	109.56	70	120	
In	115	2	He	385187	0.75	347276	110.92	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-04MS
Data File Name	043SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:43:00-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	42.083	42.083	0.79	160708	0.03	2000	
B	11	1	nogas	18.149	18.149	2.02	50774	0.04	2000	
Al	27	1	nogas	155.822	155.822	1.58	1227983	0.01	2000	
Ti	47	1	nogas	49.539	49.539	1.03	30010	0.17	2000	
Ni	60	1	nogas	62.012	62.012	3.28	108395	0.06	2000	
Cu	63	1	nogas	102.242	102.242	1.40	427884	0.02	2000	
Zn	66	1	nogas	225.551	225.551	0.80	290851	0.08	2000	
Se	77	1	nogas	91.975	91.975	2.95	8469	1.09	2000	
Se	82	1	nogas	44.175	44.175	4.50	3284	1.35	2000	
Sr	88	1	nogas	235.257	235.257	1.07	2391338	0.01	2000	
Mo	95	1	nogas	45.898	45.898	1.98	101100	0.05	2000	
Ag	107	1	nogas	50.773	50.773	1.66	263060	0.02	2000	
Cd	111	1	nogas	46.437	46.437	0.39	54664	0.08	2000	
Sn	118	1	nogas	0.466	0.466	6.28	3260	0.01	2000	
Sb	121	1	nogas	45.533	45.533	0.73	241084	0.02	2000	
Ba	137	1	nogas	442.161	442.161	0.61	828384	0.05	2000	
Tl	205	1	nogas	44.735	44.735	2.42	749667	0.01	2000	
Pb	208	1	nogas	45.668	45.668	2.19	1062575	0.00	2000	
U	238	1	nogas	0.102	0.102	9.92	3451	0.00	2000	
Na	23	2	He	60948.608	60948.608	0.42	54699999	0.11	200000	
Mg	24	2	He	13969.460	13969.460	1.77	7197770	0.19	200000	
Al	27	2	He	155.221	155.221	0.77	52440	0.30	2000	
K	39	2	He	5580.366	5580.366	1.22	2415674	0.23	200000	
Ca	43	2	He	16744.287	16744.287	2.06	19566	85.58	200000	
Ca	44	2	He	16583.655	16583.655	0.70	324721	5.11	200000	
V	51	2	He	45.812	45.812	2.38	110558	0.04	2000	
Cr	52	2	He	50.951	50.951	2.28	146505	0.03	2000	
Mn	55	2	He	423.849	423.849	0.29	894765	0.05	2000	
Fe	56	2	He	8106.612	8106.612	1.59	20581016	0.04	200000	
Co	59	2	He	47.472	47.472	0.50	172928	0.03	2000	
Ni	60	2	He	60.890	60.890	1.35	55004	0.11	2000	
Cu	63	2	He	101.073	101.073	1.88	233067	0.04	2000	
Zn	66	2	He	228.440	228.440	0.71	117199	0.19	2000	
As	75	2	He	46.076	46.076	3.61	16246	0.28	2000	
Sb	121	2	He	45.175	45.175	1.73	98951	0.05	2000	
Se	78	2	He	42.781	42.781	1.57	1476	2.90	2000	
Ti	47	2	He	48.535	48.535	2.60	5281	0.92	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	774839	0.42	729080	106.28	70	120	
In	115	1	nogas	986649	0.59	946696	104.22	70	120	
Li	6	1	nogas	674333	0.98	679142	99.29	70	120	
Bi	209	1	nogas	1341453	0.54	1320856	101.56	70	120	

Sample Report

Ge	72	2	He	229657	0.97	212544	108.05	70	120	
In	115	2	He	376161	1.28	347276	108.32	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-04MSD
Data File Name	044SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:45:05-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	44.632	44.632	0.82	169909	0.03	2000	
B	11	1	nogas	18.348	18.348	1.47	51069	0.04	2000	
Al	27	1	nogas	161.987	161.987	0.78	1281484	0.01	2000	
Ti	47	1	nogas	52.388	52.388	0.92	31947	0.16	2000	
Ni	60	1	nogas	65.750	65.750	1.25	115689	0.06	2000	
Cu	63	1	nogas	109.733	109.733	0.25	462275	0.02	2000	
Zn	66	1	nogas	243.970	243.970	0.62	316642	0.08	2000	
Se	77	1	nogas	105.236	105.236	6.90	9183	1.15	2000	
Se	82	1	nogas	47.501	47.501	4.36	3547	1.34	2000	
Sr	88	1	nogas	253.859	253.859	1.32	2584404	0.01	2000	
Mo	95	1	nogas	49.254	49.254	1.85	108644	0.05	2000	
Ag	107	1	nogas	54.330	54.330	2.52	281903	0.02	2000	
Cd	111	1	nogas	49.095	49.095	1.26	57885	0.08	2000	
Sn	118	1	nogas	0.449	0.449	6.44	3204	0.01	2000	
Sb	121	1	nogas	49.088	49.088	0.68	261592	0.02	2000	
Ba	137	1	nogas	480.419	480.419	1.23	901448	0.05	2000	
Tl	205	1	nogas	48.687	48.687	1.23	816104	0.01	2000	
Pb	208	1	nogas	48.974	48.974	1.60	1139749	0.00	2000	
U	238	1	nogas	0.114	0.114	8.77	3807	0.00	2000	
Na	23	2	He	66608.756	66608.756	1.16	59035172	0.11	200000	
Mg	24	2	He	15011.764	15011.764	2.31	7639127	0.20	200000	
Al	27	2	He	158.692	158.692	0.30	52858	0.30	2000	
K	39	2	He	5941.077	5941.077	1.17	2537109	0.23	200000	
Ca	43	2	He	17775.844	17775.844	2.49	20511	86.67	200000	
Ca	44	2	He	17888.144	17888.144	0.43	345879	5.17	200000	
V	51	2	He	48.993	48.993	2.62	116670	0.04	2000	
Cr	52	2	He	54.642	54.642	1.39	154763	0.04	2000	
Mn	55	2	He	456.655	456.655	1.49	951993	0.05	2000	
Fe	56	2	He	8685.008	8685.008	0.53	21776881	0.04	200000	
Co	59	2	He	50.851	50.851	1.20	182935	0.03	2000	
Ni	60	2	He	66.000	66.000	1.97	58869	0.11	2000	
Cu	63	2	He	110.247	110.247	1.49	251053	0.04	2000	
Zn	66	2	He	248.244	248.244	0.59	125744	0.20	2000	
As	75	2	He	49.613	49.613	1.05	17266	0.29	2000	
Sb	121	2	He	47.822	47.822	0.23	103436	0.05	2000	
Se	78	2	He	48.156	48.156	3.68	1639	2.94	2000	
Ti	47	2	He	52.771	52.771	3.31	5671	0.93	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	780089	0.54	729080	107.00	70	120	
In	115	1	nogas	988218	0.54	946696	104.39	70	120	
Li	6	1	nogas	672251	0.53	679142	98.99	70	120	
Bi	209	1	nogas	1341802	0.50	1320856	101.59	70	120	

Sample Report

Ge	72	2	He	226807	0.78	212544	106.71	70	120	
In	115	2	He	370494	1.28	347276	106.69	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-04PDS
Data File Name	045SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:47:10-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	91.545	91.545	0.50	344096	0.03	2000	
B	11	1	nogas	17.214	17.214	0.45	47924	0.04	2000	
Al	27	1	nogas	181.171	181.171	5.57	1400651	0.01	2000	
Ti	47	1	nogas	106.124	106.124	2.45	63680	0.17	2000	
Ni	60	1	nogas	114.594	114.594	1.79	198399	0.06	2000	
Cu	63	1	nogas	156.835	156.835	1.15	650594	0.02	2000	
Zn	66	1	nogas	285.831	285.831	1.21	365313	0.08	2000	
Se	77	1	nogas	165.625	165.625	6.44	12002	1.38	2000	
Se	82	1	nogas	98.046	98.046	3.02	7115	1.38	2000	
Sr	88	1	nogas	243.763	243.763	0.75	2441494	0.01	2000	
Mo	95	1	nogas	100.420	100.420	0.20	217724	0.05	2000	
Ag	107	1	nogas	111.806	111.806	1.24	570624	0.02	2000	
Cd	111	1	nogas	100.416	100.416	0.93	116465	0.09	2000	
Sn	118	1	nogas	0.356	0.356	7.17	2817	0.01	2000	
Sb	121	1	nogas	97.402	97.402	0.59	510659	0.02	2000	
Ba	137	1	nogas	517.565	517.565	1.33	955258	0.05	2000	
Tl	205	1	nogas	101.033	101.033	1.68	1655049	0.01	2000	
Pb	208	1	nogas	100.495	100.495	1.58	2284650	0.00	2000	
U	238	1	nogas	0.147	0.147	1.73	4694	0.00	2000	
Na	23	2	He	67890.691	67890.691	0.78	60181097	0.11	200000	
Mg	24	2	He	19678.444	19678.444	1.29	10015272	0.20	200000	
Al	27	2	He	182.760	182.760	4.92	60295	0.30	2000	
K	39	2	He	10855.699	10855.699	0.63	4600717	0.24	200000	
Ca	43	2	He	22083.219	22083.219	0.87	25482	86.66	200000	
Ca	44	2	He	21998.773	21998.773	0.35	425335	5.17	200000	
V	51	2	He	98.722	98.722	0.77	233550	0.04	2000	
Cr	52	2	He	103.727	103.727	1.34	288646	0.04	2000	
Mn	55	2	He	484.952	484.952	1.14	1011164	0.05	2000	
Fe	56	2	He	13352.223	13352.223	1.50	33479793	0.04	200000	
Co	59	2	He	100.350	100.350	1.41	361034	0.03	2000	
Ni	60	2	He	114.946	114.946	1.48	102475	0.11	2000	
Cu	63	2	He	155.444	155.444	0.67	353892	0.04	2000	
Zn	66	2	He	286.445	286.445	0.75	145040	0.20	2000	
As	75	2	He	99.148	99.148	0.73	34374	0.29	2000	
Sb	121	2	He	96.091	96.091	0.48	207550	0.05	2000	
Se	78	2	He	98.690	98.690	1.77	3346	2.95	2000	
Ti	47	2	He	98.446	98.446	2.16	10567	0.93	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	768717	2.13	729080	105.44	70	120	
In	115	1	nogas	972167	1.64	946696	102.69	70	120	
Li	6	1	nogas	663890	0.70	679142	97.75	70	120	
Bi	209	1	nogas	1311606	1.27	1320856	99.30	70	120	

Sample Report

Ge	72	2	He	226848	0.87	212544	106.73	70	120	
In	115	2	He	368286	1.58	347276	106.05	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-06
Data File Name	046SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:49:17-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.953	0.953	6.32	3667	0.03	2000	
B	11	1	nogas	14.056	14.056	3.32	41174	0.03	2000	
Al	27	1	nogas	30.569	30.569	2.26	309455	0.01	2000	
Ti	47	1	nogas	2.225	2.225	10.60	1390	0.16	2000	
Ni	60	1	nogas	522.689	522.689	0.73	895195	0.06	2000	
Cu	63	1	nogas	30.443	30.443	0.80	125780	0.02	2000	
Zn	66	1	nogas	257.727	257.727	1.02	326356	0.08	2000	
Se	77	1	nogas	44.846	44.846	9.32	6045	0.74	2000	
Se	82	1	nogas	0.036	0.036	1202.93	97	0.04	2000	
Sr	88	1	nogas	126.698	126.698	0.51	1286765	0.01	2000	
Mo	95	1	nogas	1.044	1.044	10.62	2480	0.04	2000	
Ag	107	1	nogas	0.118	0.118	42.29	680	0.02	2000	
Cd	111	1	nogas	1.905	1.905	11.86	2239	0.09	2000	
Sn	118	1	nogas	0.256	0.256	15.12	2490	0.01	2000	
Sb	121	1	nogas	2.525	2.525	22.33	13910	0.02	2000	
Ba	137	1	nogas	381.511	381.511	0.83	714065	0.05	2000	
Tl	205	1	nogas	0.218	0.218	25.87	3974	0.01	2000	
Pb	208	1	nogas	2.206	2.206	0.90	53195	0.00	2000	
U	238	1	nogas	0.054	0.054	9.83	2034	0.00	2000	
Na	23	2	He	44339.393	44339.393	1.77	39739817	0.11	200000	
Mg	24	2	He	5012.290	5012.290	0.61	2579335	0.19	200000	
Al	27	2	He	29.645	29.645	7.81	13219	0.22	2000	
K	39	2	He	628.757	628.757	0.42	310865	0.20	200000	
Ca	43	2	He	6268.050	6268.050	5.21	7329	85.53	200000	
Ca	44	2	He	6203.883	6203.883	0.24	121591	5.10	200000	
V	51	2	He	-2.387	-2.387	-26.80	-4083	0.06	2000	
Cr	52	2	He	95.349	95.349	0.65	268690	0.04	2000	
Mn	55	2	He	1304.064	1304.064	0.91	2748350	0.05	2000	
Fe	56	2	He	1714.592	1714.592	0.06	4352318	0.04	200000	
Co	59	2	He	17.545	17.545	2.44	63832	0.03	2000	
Ni	60	2	He	508.873	508.873	0.81	458252	0.11	2000	
Cu	63	2	He	29.211	29.211	0.89	67562	0.04	2000	
Zn	66	2	He	254.908	254.908	1.04	130525	0.20	2000	
As	75	2	He	0.913	0.913	18.44	456	0.20	2000	
Sb	121	2	He	1.636	1.636	10.57	3891	0.04	2000	
Se	78	2	He	0.362	0.362	74.57	26	1.39	2000	
Ti	47	2	He	1.713	1.713	35.20	200	0.86	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	761212	0.79	729080	104.41	70	120	
In	115	1	nogas	985690	0.94	946696	104.12	70	120	
Li	6	1	nogas	667903	0.20	679142	98.35	70	120	
Bi	209	1	nogas	1356878	1.72	1320856	102.73	70	120	

Sample Report

Ge	72	2	He	229303	0.24	212544	107.88	70	120	
In	115	2	He	375550	2.20	347276	108.14	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-07
Data File Name	047SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:51:22-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.072	0.072	17.00	337	0.02	2000	
B	11	1	nogas	39.707	39.707	1.57	99118	0.04	2000	
Al	27	1	nogas	58.593	58.593	1.87	517580	0.01	2000	
Ti	47	1	nogas	3.219	3.219	9.49	2010	0.16	2000	
Ni	60	1	nogas	61.525	61.525	1.16	107186	0.06	2000	
Cu	63	1	nogas	64.275	64.275	1.00	268444	0.02	2000	
Zn	66	1	nogas	15.163	15.163	2.36	20518	0.07	2000	
Se	77	1	nogas	58.522	58.522	12.87	6802	0.86	2000	
Se	82	1	nogas	-0.352	-0.352	-144.43	70	-0.50	2000	
Sr	88	1	nogas	185.109	185.109	1.38	1879799	0.01	2000	
Mo	95	1	nogas	0.420	0.420	7.81	1110	0.04	2000	
Ag	107	1	nogas	0.048	0.048	15.26	320	0.02	2000	
Cd	111	1	nogas	0.051	0.051	33.15	59	0.09	2000	
Sn	118	1	nogas	0.846	0.846	6.16	4644	0.02	2000	
Sb	121	1	nogas	0.592	0.592	8.03	3961	0.01	2000	
Ba	137	1	nogas	155.149	155.149	0.91	290532	0.05	2000	
Tl	205	1	nogas	0.021	0.021	31.97	623	0.00	2000	
Pb	208	1	nogas	0.167	0.167	0.90	5194	0.00	2000	
U	238	1	nogas	0.047	0.047	33.13	1804	0.00	2000	
Na	23	2	He	90863.718	90863.718	0.89	81158022	0.11	200000	
Mg	24	2	He	6955.762	6955.762	0.90	3568065	0.19	200000	
Al	27	2	He	57.881	57.881	5.42	21946	0.26	2000	
K	39	2	He	542.486	542.486	2.45	273378	0.20	200000	
Ca	43	2	He	10436.723	10436.723	3.72	12148	85.91	200000	
Ca	44	2	He	10112.304	10112.304	0.73	197280	5.13	200000	
V	51	2	He	0.308	0.308	103.54	2315	0.01	2000	
Cr	52	2	He	7.962	7.962	2.16	27702	0.03	2000	
Mn	55	2	He	18.361	18.361	1.63	38760	0.05	2000	
Fe	56	2	He	226.380	226.380	1.15	579021	0.04	200000	
Co	59	2	He	0.633	0.633	3.88	2324	0.03	2000	
Ni	60	2	He	61.255	61.255	1.32	55078	0.11	2000	
Cu	63	2	He	64.552	64.552	1.93	148322	0.04	2000	
Zn	66	2	He	15.826	15.826	0.93	8523	0.19	2000	
As	75	2	He	0.292	0.292	22.39	238	0.12	2000	
Sb	121	2	He	0.584	0.584	13.78	1590	0.04	2000	
Se	78	2	He	0.285	0.285	51.14	23	1.22	2000	
Ti	47	2	He	2.401	2.401	16.77	273	0.88	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	772306	0.87	729080	105.93	70	120	
In	115	1	nogas	985723	1.07	946696	104.12	70	120	
Li	6	1	nogas	673189	0.93	679142	99.12	70	120	
Bi	209	1	nogas	1340824	0.83	1320856	101.51	70	120	

Sample Report

Ge	72	2	He	228608	1.20	212544	107.56	70	120	
In	115	2	He	374657	0.44	347276	107.88	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-08
Data File Name	048SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:53:31-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.198	0.198	10.96	837	0.02	2000	
B	11	1	nogas	19.291	19.291	1.76	54560	0.04	2000	
Al	27	1	nogas	24.809	24.809	1.61	274036	0.01	2000	
Ti	47	1	nogas	3.476	3.476	1.50	2180	0.16	2000	
Ni	60	1	nogas	11.956	11.956	2.01	21245	0.06	2000	
Cu	63	1	nogas	14.282	14.282	1.04	60770	0.02	2000	
Zn	66	1	nogas	22.750	22.750	2.64	30448	0.07	2000	
Se	77	1	nogas	27.464	27.464	12.29	5318	0.52	2000	
Se	82	1	nogas	0.466	0.466	77.41	130	0.36	2000	
Sr	88	1	nogas	41.781	41.781	1.19	430390	0.01	2000	
Mo	95	1	nogas	2.386	2.386	3.60	5501	0.04	2000	
Ag	107	1	nogas	0.015	0.015	12.79	150	0.01	2000	
Cd	111	1	nogas	0.089	0.089	44.25	106	0.08	2000	
Sn	118	1	nogas	0.429	0.429	13.28	3164	0.01	2000	
Sb	121	1	nogas	0.277	0.277	3.60	2324	0.01	2000	
Ba	137	1	nogas	77.989	77.989	1.03	148136	0.05	2000	
Tl	205	1	nogas	0.004	0.004	133.09	357	0.00	2000	
Pb	208	1	nogas	0.353	0.353	3.98	9905	0.00	2000	
U	238	1	nogas	0.031	0.031	15.75	1387	0.00	2000	
Na	23	2	He	32316.633	32316.633	0.77	29116628	0.11	200000	
Mg	24	2	He	1675.788	1675.788	0.68	867175	0.19	200000	
Al	27	2	He	24.890	24.890	6.64	11795	0.21	2000	
K	39	2	He	198.668	198.668	1.16	128995	0.15	200000	
Ca	43	2	He	2130.821	2130.821	5.05	2520	84.55	200000	
Ca	44	2	He	2257.211	2257.211	0.87	44766	5.04	200000	
V	51	2	He	-1.080	-1.080	-68.24	-985	0.11	2000	
Cr	52	2	He	101.332	101.332	1.19	286599	0.04	2000	
Mn	55	2	He	9.774	9.774	3.80	20891	0.05	2000	
Fe	56	2	He	1646.591	1646.591	0.37	4200864	0.04	200000	
Co	59	2	He	0.514	0.514	15.06	1910	0.03	2000	
Ni	60	2	He	11.358	11.358	4.03	10377	0.11	2000	
Cu	63	2	He	13.796	13.796	1.59	32288	0.04	2000	
Zn	66	2	He	22.967	22.967	3.17	12255	0.19	2000	
As	75	2	He	0.618	0.618	27.50	354	0.17	2000	
Sb	121	2	He	0.271	0.271	10.69	920	0.03	2000	
Se	78	2	He	1.212	1.212	26.03	55	2.19	2000	
Ti	47	2	He	4.060	4.060	25.52	457	0.89	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	777807	0.26	729080	106.68	70	120	
In	115	1	nogas	998978	0.14	946696	105.52	70	120	
Li	6	1	nogas	689663	0.77	679142	101.55	70	120	
Bi	209	1	nogas	1393383	1.02	1320856	105.49	70	120	

Sample Report

Ge	72	2	He	230452	0.73	212544	108.43	70	120	
In	115	2	He	378412	0.89	347276	108.97	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-09
Data File Name	049SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:55:39-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.086	0.086	9.30	385	0.02	2000	
B	11	1	nogas	13.292	13.292	2.53	39218	0.03	2000	
Al	27	1	nogas	15.588	15.588	0.24	201668	0.01	2000	
Ti	47	1	nogas	3.175	3.175	3.00	1950	0.16	2000	
Ni	60	1	nogas	13.422	13.422	1.60	23245	0.06	2000	
Cu	63	1	nogas	76.479	76.479	0.22	313877	0.02	2000	
Zn	66	1	nogas	25.719	25.719	2.74	33468	0.08	2000	
Se	77	1	nogas	24.927	24.927	31.15	5068	0.49	2000	
Se	82	1	nogas	-0.055	-0.055	-264.35	90	-0.06	2000	
Sr	88	1	nogas	162.740	162.740	0.40	1643056	0.01	2000	
Mo	95	1	nogas	0.259	0.259	24.76	750	0.03	2000	
Ag	107	1	nogas	0.023	0.023	59.59	187	0.01	2000	
Cd	111	1	nogas	0.036	0.036	153.62	42	0.09	2000	
Sn	118	1	nogas	0.338	0.338	3.69	2770	0.01	2000	
Sb	121	1	nogas	0.206	0.206	7.11	1903	0.01	2000	
Ba	137	1	nogas	119.667	119.667	0.95	222828	0.05	2000	
Tl	205	1	nogas	0.003	0.003	53.62	330	0.00	2000	
Pb	208	1	nogas	0.495	0.495	7.48	12883	0.00	2000	
U	238	1	nogas	0.015	0.015	14.58	860	0.00	2000	
Na	23	2	He	26771.783	26771.783	0.34	23577511	0.11	200000	
Mg	24	2	He	7175.937	7175.937	0.96	3626426	0.20	200000	
Al	27	2	He	15.649	15.649	3.80	8699	0.18	2000	
K	39	2	He	325.056	325.056	0.96	178733	0.18	200000	
Ca	43	2	He	8239.740	8239.740	5.07	9453	87.16	200000	
Ca	44	2	He	7899.391	7899.391	1.42	151920	5.20	200000	
V	51	2	He	0.504	0.504	16.67	2734	0.02	2000	
Cr	52	2	He	3.224	3.224	2.50	14467	0.02	2000	
Mn	55	2	He	396.089	396.089	0.63	819944	0.05	2000	
Fe	56	2	He	6077.752	6077.752	0.81	15133424	0.04	200000	
Co	59	2	He	10.584	10.584	2.44	37825	0.03	2000	
Ni	60	2	He	13.889	13.889	2.91	12379	0.11	2000	
Cu	63	2	He	76.531	76.531	0.40	173170	0.04	2000	
Zn	66	2	He	26.190	26.190	2.55	13590	0.19	2000	
As	75	2	He	3.537	3.537	7.80	1347	0.26	2000	
Sb	121	2	He	0.244	0.244	6.46	840	0.03	2000	
Se	78	2	He	0.634	0.634	24.34	35	1.83	2000	
Ti	47	2	He	2.876	2.876	6.50	320	0.90	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	759325	0.60	729080	104.15	70	120	
In	115	1	nogas	979944	1.11	946696	103.51	70	120	
Li	6	1	nogas	663681	0.90	679142	97.72	70	120	
Bi	209	1	nogas	1347434	0.76	1320856	102.01	70	120	

Sample Report

Ge	72	2	He	225203	0.90	212544	105.96	70	120	
In	115	2	He	370579	0.64	347276	106.71	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	051_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T11:59:52-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	95.154	1.071	346599	1.12	100	95.2	90	110	
B	11	1	nogas	457.515	1.707	991549	1.27	500	91.5	90	110	
Al	27	1	nogas	98.721	0.733	802572	1.04	100	98.7	90	110	
P	31	1	nogas	666.683	2.585	60326	1.74	500	133.3	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	100.011	0.891	59831	1.28	100	100.0	90	110	
Ni	60	1	nogas	101.858	1.090	175825	1.50	100	101.9	90	110	
Cu	63	1	nogas	102.106	0.868	422492	1.25	100	102.1	90	110	
Zn	66	1	nogas	100.414	0.714	128629	0.78	100	100.4	90	110	
Se	77	1	nogas	129.138	2.532	10180	1.36	100	129.1	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	96.447	1.965	6975	1.61	100	96.4	90	110	
Sr	88	1	nogas	99.179	0.471	1001656	0.44	100	99.2	90	110	
Mo	95	1	nogas	98.949	0.900	216275	0.92	100	98.9	90	110	
Ag	107	1	nogas	101.021	0.349	519817	0.94	100	101.0	90	110	
Cd	111	1	nogas	100.346	2.489	117339	2.58	100	100.3	90	110	
Sn	118	1	nogas	97.619	0.904	356635	1.27	100	97.6	90	110	
Sb	121	1	nogas	99.670	1.368	520754	1.71	100	99.7	90	110	
Ba	137	1	nogas	99.563	1.462	185458	0.86	100	99.6	90	110	
Tl	205	1	nogas	99.997	3.710	1690305	1.92	100	100.0	90	110	
Pb	208	1	nogas	99.225	2.818	2327923	0.99	100	99.2	90	110	
U	238	1	nogas	98.986	2.439	2978459	0.61	100	99.0	90	110	
Li	7	1	nogas	95.806	1.319	1088364	0.89	100	95.8	90	110	
Ba	135	1	nogas	99.446	1.543	104235	2.22	100	99.4	90	110	
Tl	203	1	nogas	99.667	2.538	689922	0.90	100	99.7	90	110	
Na	23	2	He	9805.167	0.769	8601989	1.09	10000	98.1	90	110	
Mg	24	2	He	9787.748	0.530	4916995	0.04	10000	97.9	90	110	
Al	27	2	He	94.612	2.476	32678	2.39	100	94.6	90	110	
K	39	2	He	9712.601	0.392	4067107	0.17	10000	97.1	90	110	
Ca	43	2	He	10022.902	1.106	11428	1.08	10000	100.2	90	110	
Ca	44	2	He	9851.786	0.395	188253	0.93	10000	98.5	90	110	
V	51	2	He	98.986	0.498	231113	0.51	100	99.0	90	110	
Cr	52	2	He	100.505	1.538	276208	0.97	100	100.5	90	110	
Mn	55	2	He	100.164	1.249	206271	0.82	100	100.2	90	110	
Fe	56	2	He	10047.422	0.938	24867130	0.40	10000	100.5	90	110	
Co	59	2	He	100.912	0.288	358336	0.41	100	100.9	90	110	
Ni	60	2	He	101.196	1.021	89053	0.67	100	101.2	90	110	
Cu	63	2	He	101.634	0.735	228495	0.67	100	101.6	90	110	
Zn	66	2	He	99.295	2.262	49924	2.09	100	99.3	90	110	
As	75	2	He	99.235	0.609	33955	0.45	100	99.2	90	110	
Sb	121	2	He	97.895	0.962	208684	1.17	100	97.9	90	110	
Se	78	2	He	99.143	2.232	3317	2.23	100	99.1	90	110	
Ti	47	2	He	97.610	4.606	10340	4.27	100	97.6	90	110	
Zr	90	1	nogas	95.155	0.307	649226	0.83	100	95.2	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	766076	0.42	729080	105.07	70	120	
In	115	1	nogas	980073	0.70	946696	103.53	70	120	
Li	6	1	nogas	643373	0.83	679142	94.73	70	120	
Bi	209	1	nogas	1353920	1.86	1320856	102.50	70	120	
Ge	72	2	He	223885	0.54	212544	105.34	70	120	
In	115	2	He	365597	0.68	347276	105.28	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	052_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:01:59-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.082	41.0	373	33.9	2.5	
B	11	1	nogas	16.140	15.5	46069	12.0	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-4.244	-2.1	59994	0.8	5	
P	31	1	nogas	32.873	52.8	28580	2.9	2.5	CCB Main CR1 Failed
Ti	47	1	nogas	0.226	17.0	203	11.4	2.5	
Ni	60	1	nogas	0.280	18.8	800	11.1	2.5	
Cu	63	1	nogas	0.124	55.9	1380	20.2	5	
Zn	66	1	nogas	0.970	12.7	2307	6.5	2.5	
Se	77	1	nogas	-26.981	-14.3	2567	7.4	2.5	
Se	82	1	nogas	0.180	250.5	107	30.1	5	
Sr	88	1	nogas	0.100	50.1	1477	33.9	2.5	
Mo	95	1	nogas	0.682	20.5	1673	18.0	2.5	
Ag	107	1	nogas	0.088	46.3	523	40.2	2.5	
Cd	111	1	nogas	0.089	29.5	104	29.6	2.5	
Sn	118	1	nogas	0.892	27.2	4784	18.7	2.5	
Sb	121	1	nogas	1.322	16.8	7666	14.7	2	
Ba	137	1	nogas	0.028	233.9	290	41.8	2.5	
Tl	205	1	nogas	0.628	58.3	10966	58.7	2.5	
Pb	208	1	nogas	0.128	29.9	4344	22.7	2.5	
U	238	1	nogas	0.113	45.9	3831	42.9	2.5	
Na	23	2	He	8.763	2.6	34900	1.4	100	
Mg	24	2	He	4.913	5.4	3197	4.3	100	
Al	27	2	He	-5.006	-7.3	2354	3.8	5	
K	39	2	He	0.049	5236.0	42864	3.4	100	
Ca	43	2	He	2.035	660.3	27	57.3	100	
Ca	44	2	He	3.076	40.7	523	5.5	100	
V	51	2	He	-0.254	-11.9	959	7.8	2.5	
Cr	52	2	He	-0.688	-15.7	3834	6.6	2.5	
Mn	55	2	He	0.167	27.0	523	18.1	2.5	
Fe	56	2	He	8.659	7.9	28264	6.9	100	
Co	59	2	He	0.051	19.1	210	17.2	2.5	
Ni	60	2	He	0.301	28.1	360	19.4	2.5	
Cu	63	2	He	0.070	55.9	567	16.4	5	
Zn	66	2	He	0.924	3.4	920	1.9	2.5	
As	75	2	He	0.122	100.5	174	24.2	2.5	
Sb	121	2	He	0.826	13.2	2067	12.1	2	
Se	78	2	He	0.624	38.6	34	23.5	5	
Ti	47	2	He	0.151	165.7	30	88.2	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	759168	0.27	729080	104.13	70	120	
In	115	1	nogas	979168	0.69	946696	103.43	70	120	
Li	6	1	nogas	671610	0.44	679142	98.89	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	1354192	1.80	1320856	102.52	70	120	
Ge	72	2	He	222993	1.00	212544	104.92	70	120	
In	115	2	He	367095	0.48	347276	105.71	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-10
Data File Name	053SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:04:18-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.104	0.104	5.98	448	0.02	2000	
B	11	1	nogas	17.229	17.229	4.43	47609	0.04	2000	
Al	27	1	nogas	16.754	16.754	2.03	208514	0.01	2000	
Ti	47	1	nogas	3.284	3.284	2.17	2000	0.16	2000	
Ni	60	1	nogas	12.345	12.345	1.26	21252	0.06	2000	
Cu	63	1	nogas	53.486	53.486	1.37	218223	0.02	2000	
Zn	66	1	nogas	25.328	25.328	2.25	32736	0.08	2000	
Se	77	1	nogas	14.483	14.483	53.07	4531	0.32	2000	
Se	82	1	nogas	0.809	0.809	17.43	150	0.54	2000	
Sr	88	1	nogas	165.068	165.068	0.80	1661113	0.01	2000	
Mo	95	1	nogas	0.409	0.409	12.84	1077	0.04	2000	
Ag	107	1	nogas	0.035	0.035	11.84	250	0.01	2000	
Cd	111	1	nogas	0.075	0.075	44.13	86	0.09	2000	
Sn	118	1	nogas	0.605	0.605	3.00	3731	0.02	2000	
Sb	121	1	nogas	0.375	0.375	11.20	2757	0.01	2000	
Ba	137	1	nogas	125.035	125.035	0.85	232057	0.05	2000	
Tl	205	1	nogas	0.050	0.050	10.72	1117	0.00	2000	
Pb	208	1	nogas	0.191	0.191	3.24	5767	0.00	2000	
U	238	1	nogas	0.023	0.023	5.43	1097	0.00	2000	
Na	23	2	He	27244.802	27244.802	0.79	23610427	0.12	200000	
Mg	24	2	He	7371.556	7371.556	0.33	3665715	0.20	200000	
Al	27	2	He	15.902	15.902	2.84	8636	0.18	2000	
K	39	2	He	338.699	338.699	2.61	181445	0.19	200000	
Ca	43	2	He	8352.975	8352.975	2.49	9430	88.58	200000	
Ca	44	2	He	8128.827	8128.827	1.87	153818	5.28	200000	
V	51	2	He	0.559	0.559	64.93	2823	0.02	2000	
Cr	52	2	He	6.532	6.532	1.60	23045	0.03	2000	
Mn	55	2	He	391.785	391.785	0.51	798059	0.05	2000	
Fe	56	2	He	5368.964	5368.964	0.04	13156117	0.04	200000	
Co	59	2	He	11.018	11.018	0.82	38747	0.03	2000	
Ni	60	2	He	12.121	12.121	0.59	10644	0.11	2000	
Cu	63	2	He	53.165	53.165	1.70	118494	0.04	2000	
Zn	66	2	He	24.737	24.737	3.66	12652	0.20	2000	
As	75	2	He	3.681	3.681	7.57	1373	0.27	2000	
Sb	121	2	He	0.320	0.320	6.84	987	0.03	2000	
Se	78	2	He	0.591	0.591	24.85	33	1.81	2000	
Ti	47	2	He	3.364	3.364	21.56	367	0.92	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	753974	1.05	729080	103.41	70	120	
In	115	1	nogas	976711	0.63	946696	103.17	70	120	
Li	6	1	nogas	659249	0.99	679142	97.07	70	120	
Bi	209	1	nogas	1342655	1.81	1320856	101.65	70	120	

Sample Report

Ge	72	2	He	221601	1.21	212544	104.26	70	120	
In	115	2	He	370868	1.92	347276	106.79	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-11
Data File Name	054SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:06:23-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Fail

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.075	0.075	8.51	343	0.02	2000	
B	11	1	nogas	14.361	14.361	1.80	41657	0.03	2000	
Al	27	1	nogas	17.252	17.252	3.05	218212	0.01	2000	
Ti	47	1	nogas	3.469	3.469	3.09	2170	0.16	2000	
Ni	60	1	nogas	28.473	28.473	1.01	50020	0.06	2000	
Cu	63	1	nogas	27.033	27.033	1.12	113960	0.02	2000	
Zn	66	1	nogas	1705.020	1705.020	0.82	2194492	0.08	2000	
Se	77	1	nogas	15.672	15.672	15.26	4724	0.33	2000	
Se	82	1	nogas	2.228	2.228	48.27	257	0.87	2000	
Sr	88	1	nogas	126.498	126.498	0.58	1271818	0.01	2000	
Mo	95	1	nogas	3.631	3.631	4.87	8082	0.04	2000	
Ag	107	1	nogas	0.038	0.038	8.28	263	0.01	2000	
Cd	111	1	nogas	0.002	0.002	753.88	1	0.13	2000	
Sn	118	1	nogas	0.372	0.372	13.91	2884	0.01	2000	
Sb	121	1	nogas	0.608	0.608	6.34	4071	0.01	2000	
Ba	137	1	nogas	47.069	47.069	1.55	87413	0.05	2000	
Tl	205	1	nogas	0.011	0.011	49.02	657	0.00	2000	
Pb	208	1	nogas	0.657	0.657	6.91	23782	0.00	2000	
U	238	1	nogas	0.038	0.038	9.09	2204	0.00	2000	
Na	23	2	He	97910.123	97910.123	1.85	87630719	0.11	200000	
Mg	24	2	He	6818.120	6818.120	2.03	3504567	0.19	200000	
Al	27	2	He	17.029	17.029	7.75	9276	0.18	2000	
K	39	2	He	749.585	749.585	1.30	361766	0.21	200000	
Ca	43	2	He	7580.793	7580.793	3.13	8849	85.66	200000	
Ca	44	2	He	7433.670	7433.670	1.11	145451	5.11	200000	
V	51	2	He	0.298	0.298	86.25	2290	0.01	2000	
Cr	52	2	He	7.331	7.331	4.28	26019	0.03	2000	
Mn	55	2	He	362.773	362.773	1.40	763908	0.05	2000	
Fe	56	2	He	21041.112	21041.112	0.91	53278888	0.04	200000	
Co	59	2	He	10.238	10.238	0.89	37226	0.03	2000	
Ni	60	2	He	28.486	28.486	2.19	25719	0.11	2000	
Cu	63	2	He	26.567	26.567	0.65	61426	0.04	2000	
Zn	66	2	He	1698.218	1698.218	0.91	866023	0.20	2000	
As	75	2	He	4.200	4.200	1.91	1601	0.26	2000	
Sb	121	2	He	0.590	0.590	13.81	1607	0.04	2000	
Se	78	2	He	1.848	1.848	6.56	77	2.41	2000	
Ti	47	2	He	2.578	2.578	9.39	293	0.88	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	775947	0.76	729080	106.43	70	120	
In	115	1	nogas	975728	0.99	946696	103.07	70	120	
Li	6	1	nogas	664776	1.11	679142	97.88	70	120	
Bi	209	1	nogas	1923170	0.71	1320856	145.60	70	120	ISTD Failed

Sample Report

Ge	72	2	He	229089	1.17	212544	107.78	70	120	
In	115	2	He	373403	0.72	347276	107.52	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-12
Data File Name	055SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:08:31-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.082	0.082	14.89	383	0.02	2000	
B	11	1	nogas	15.392	15.392	0.83	45438	0.03	2000	
Al	27	1	nogas	234.876	234.876	1.24	1810891	0.01	2000	
Ti	47	1	nogas	3.510	3.510	5.49	2200	0.16	2000	
Ni	60	1	nogas	30.139	30.139	1.01	53047	0.06	2000	
Cu	63	1	nogas	8.463	8.463	1.88	36371	0.02	2000	
Zn	66	1	nogas	51.797	51.797	2.52	67900	0.08	2000	
Se	77	1	nogas	16.133	16.133	11.75	4758	0.34	2000	
Se	82	1	nogas	-0.222	-0.222	-346.61	80	-0.28	2000	
Sr	88	1	nogas	30.987	30.987	0.31	321977	0.01	2000	
Mo	95	1	nogas	0.316	0.316	11.11	900	0.04	2000	
Ag	107	1	nogas	0.014	0.014	25.98	147	0.01	2000	
Cd	111	1	nogas	0.019	0.019	111.71	22	0.09	2000	
Sn	118	1	nogas	0.089	0.089	89.91	1917	0.00	2000	
Sb	121	1	nogas	0.094	0.094	26.02	1357	0.01	2000	
Ba	137	1	nogas	40.199	40.199	1.82	77105	0.05	2000	
Tl	205	1	nogas	0.003	0.003	30.10	337	0.00	2000	
Pb	208	1	nogas	0.460	0.460	1.60	12563	0.00	2000	
U	238	1	nogas	0.069	0.069	9.01	2590	0.00	2000	
Na	23	2	He	23924.393	23924.393	0.59	21584949	0.11	200000	
Mg	24	2	He	1183.267	1183.267	0.23	613151	0.19	200000	
Al	27	2	He	228.196	228.196	1.95	75556	0.30	2000	
K	39	2	He	313.647	313.647	0.34	178210	0.18	200000	
Ca	43	2	He	1241.213	1241.213	6.14	1480	83.86	200000	
Ca	44	2	He	1419.783	1419.783	1.47	28363	5.01	200000	
V	51	2	He	1.208	1.208	34.92	4487	0.03	2000	
Cr	52	2	He	9.595	9.595	1.78	32485	0.03	2000	
Mn	55	2	He	30.311	30.311	1.51	64451	0.05	2000	
Fe	56	2	He	2601.898	2601.898	0.53	6640610	0.04	200000	
Co	59	2	He	2.003	2.003	6.94	7355	0.03	2000	
Ni	60	2	He	29.574	29.574	2.44	26888	0.11	2000	
Cu	63	2	He	8.580	8.580	4.17	20261	0.04	2000	
Zn	66	2	He	50.344	50.344	0.32	26317	0.19	2000	
As	75	2	He	0.352	0.352	10.77	261	0.13	2000	
Sb	121	2	He	0.099	0.099	30.52	543	0.02	2000	
Se	78	2	He	0.435	0.435	47.18	29	1.52	2000	
Ti	47	2	He	3.233	3.233	19.18	367	0.88	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	777727	0.23	729080	106.67	70	120	
In	115	1	nogas	1007286	0.97	946696	106.40	70	120	
Li	6	1	nogas	687321	1.01	679142	101.20	70	120	
Bi	209	1	nogas	1403209	1.12	1320856	106.23	70	120	

Sample Report

Ge	72	2	He	230679	0.36	212544	108.53	70	120	
In	115	2	He	379559	0.63	347276	109.30	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-13
Data File Name	056SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:10:36-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.037	0.037	6.85	207	0.02	2000	
B	11	1	nogas	37.295	37.295	0.99	95155	0.04	2000	
Al	27	1	nogas	9.454	9.454	1.94	162680	0.01	2000	
Ti	47	1	nogas	0.953	0.953	6.50	653	0.15	2000	
Ni	60	1	nogas	2.988	2.988	11.81	5588	0.05	2000	
Cu	63	1	nogas	7.760	7.760	1.57	33631	0.02	2000	
Zn	66	1	nogas	17.661	17.661	0.95	24033	0.07	2000	
Se	77	1	nogas	22.734	22.734	12.54	5114	0.44	2000	
Se	82	1	nogas	-0.274	-0.274	-119.12	77	-0.36	2000	
Sr	88	1	nogas	68.257	68.257	0.58	705400	0.01	2000	
Mo	95	1	nogas	0.811	0.811	4.14	2003	0.04	2000	
Ag	107	1	nogas	0.036	0.036	1.07	260	0.01	2000	
Cd	111	1	nogas	0.009	0.009	171.13	10	0.09	2000	
Sn	118	1	nogas	0.064	0.064	77.30	1817	0.00	2000	
Sb	121	1	nogas	0.155	0.155	15.44	1687	0.01	2000	
Ba	137	1	nogas	30.923	30.923	0.99	59099	0.05	2000	
Tl	205	1	nogas	-0.002	-0.002	-151.46	253	0.00	2000	
Pb	208	1	nogas	0.879	0.879	2.83	22187	0.00	2000	
U	238	1	nogas	0.076	0.076	10.58	2724	0.00	2000	
Na	23	2	He	30093.374	30093.374	0.37	27565517	0.11	200000	
Mg	24	2	He	4398.132	4398.132	0.64	2312293	0.19	200000	
Al	27	2	He	9.558	9.558	11.01	7108	0.13	2000	
K	39	2	He	928.881	928.881	0.35	447699	0.21	200000	
Ca	43	2	He	3825.396	3825.396	9.15	4577	83.57	200000	
Ca	44	2	He	3756.619	3756.619	2.28	75407	4.98	200000	
V	51	2	He	-0.367	-0.367	-54.41	734	-0.05	2000	
Cr	52	2	He	15.403	15.403	1.61	49348	0.03	2000	
Mn	55	2	He	9.577	9.577	1.37	20811	0.05	2000	
Fe	56	2	He	783.352	783.352	1.26	2035295	0.04	200000	
Co	59	2	He	0.371	0.371	15.31	1407	0.03	2000	
Ni	60	2	He	2.793	2.793	8.67	2670	0.10	2000	
Cu	63	2	He	7.476	7.476	3.98	17981	0.04	2000	
Zn	66	2	He	17.423	17.423	2.25	9567	0.18	2000	
As	75	2	He	0.515	0.515	5.81	323	0.16	2000	
Sb	121	2	He	0.139	0.139	29.04	640	0.02	2000	
Se	78	2	He	0.000	0.000	-60420.25	14	0.00	2000	
Ti	47	2	He	0.922	0.922	50.26	117	0.79	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	782589	1.05	729080	107.34	70	120	
In	115	1	nogas	1002672	0.77	946696	105.91	70	120	
Li	6	1	nogas	683622	0.85	679142	100.66	70	120	
Bi	209	1	nogas	1369228	1.68	1320856	103.66	70	120	

Sample Report

Ge	72	2	He	234266	0.98	212544	110.22	70	120	
In	115	2	He	376926	1.18	347276	108.54	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-14
Data File Name	057SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:12:42-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.010	0.010	52.03	105	0.01	2000	
B	11	1	nogas	11.491	11.491	2.42	36783	0.03	2000	
Al	27	1	nogas	7.304	7.304	20.31	146278	0.00	2000	
Ti	47	1	nogas	1.226	1.226	9.86	817	0.15	2000	
Ni	60	1	nogas	10.365	10.365	2.02	18502	0.06	2000	
Cu	63	1	nogas	10.662	10.662	1.22	45687	0.02	2000	
Zn	66	1	nogas	31.642	31.642	2.39	42009	0.08	2000	
Se	77	1	nogas	33.037	33.037	12.68	5605	0.59	2000	
Se	82	1	nogas	-0.274	-0.274	-174.30	77	-0.36	2000	
Sr	88	1	nogas	25.999	25.999	1.02	272703	0.01	2000	
Mo	95	1	nogas	0.185	0.185	19.73	613	0.03	2000	
Ag	107	1	nogas	0.014	0.014	39.87	147	0.01	2000	
Cd	111	1	nogas	0.011	0.011	117.78	13	0.09	2000	
Sn	118	1	nogas	0.419	0.419	7.36	3180	0.01	2000	
Sb	121	1	nogas	0.019	0.019	192.89	960	0.00	2000	
Ba	137	1	nogas	20.985	20.985	4.06	40742	0.05	2000	
Tl	205	1	nogas	0.000	0.000	472.55	293	0.00	2000	
Pb	208	1	nogas	0.027	0.027	27.92	2023	0.00	2000	
U	238	1	nogas	0.003	0.003	59.86	517	0.00	2000	
Na	23	2	He	9091.639	9091.639	0.79	8272567	0.11	200000	
Mg	24	2	He	744.855	744.855	0.41	388722	0.19	200000	
Al	27	2	He	7.072	7.072	17.61	6262	0.11	2000	
K	39	2	He	560.759	560.759	0.44	285505	0.20	200000	
Ca	43	2	He	1089.319	1089.319	8.73	1310	83.15	200000	
Ca	44	2	He	1113.191	1113.191	2.33	22484	4.95	200000	
V	51	2	He	-0.276	-0.276	-121.94	946	-0.03	2000	
Cr	52	2	He	1.007	1.007	8.36	8723	0.01	2000	
Mn	55	2	He	14.215	14.215	1.94	30518	0.05	2000	
Fe	56	2	He	249.290	249.290	0.65	646789	0.04	200000	
Co	59	2	He	0.245	0.245	15.70	930	0.03	2000	
Ni	60	2	He	10.095	10.095	0.46	9303	0.11	2000	
Cu	63	2	He	10.155	10.155	1.45	24056	0.04	2000	
Zn	66	2	He	31.835	31.835	1.70	16923	0.19	2000	
As	75	2	He	0.124	0.124	30.17	182	0.07	2000	
Sb	121	2	He	0.046	0.046	81.96	430	0.01	2000	
Se	78	2	He	-0.130	-0.130	-207.09	9	-1.39	2000	
Ti	47	2	He	1.052	1.052	29.75	130	0.81	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	779450	1.02	729080	106.91	70	120	
In	115	1	nogas	1016548	0.64	946696	107.38	70	120	
Li	6	1	nogas	692860	0.83	679142	102.02	70	120	
Bi	209	1	nogas	1393105	0.93	1320856	105.47	70	120	

Sample Report

Ge	72	2	He	232149	0.59	212544	109.22	70	120	
In	115	2	He	380310	0.96	347276	109.51	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-15
Data File Name	058SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:14:48-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.089	0.089	7.24	410	0.02	2000	
B	11	1	nogas	18.706	18.706	0.63	53003	0.04	2000	
Al	27	1	nogas	79.316	79.316	0.70	669379	0.01	2000	
Ti	47	1	nogas	2.020	2.020	15.85	1290	0.16	2000	
Ni	60	1	nogas	8.694	8.694	1.95	15458	0.06	2000	
Cu	63	1	nogas	35.702	35.702	0.66	149785	0.02	2000	
Zn	66	1	nogas	38.113	38.113	2.05	50000	0.08	2000	
Se	77	1	nogas	32.448	32.448	29.82	5534	0.59	2000	
Se	82	1	nogas	-0.726	-0.726	-39.89	43	-1.68	2000	
Sr	88	1	nogas	25.359	25.359	2.49	263061	0.01	2000	
Mo	95	1	nogas	0.068	0.068	39.66	343	0.02	2000	
Ag	107	1	nogas	0.019	0.019	39.29	170	0.01	2000	
Cd	111	1	nogas	0.056	0.056	21.89	66	0.08	2000	
Sn	118	1	nogas	0.594	0.594	9.09	3797	0.02	2000	
Sb	121	1	nogas	0.050	0.050	117.40	1117	0.00	2000	
Ba	137	1	nogas	53.642	53.642	2.73	102607	0.05	2000	
Tl	205	1	nogas	-0.003	-0.003	-65.05	233	0.00	2000	
Pb	208	1	nogas	2.236	2.236	2.17	55161	0.00	2000	
U	238	1	nogas	0.020	0.020	12.56	1043	0.00	2000	
Na	23	2	He	11936.703	11936.703	1.61	10740015	0.11	200000	
Mg	24	2	He	1025.271	1025.271	0.65	529253	0.19	200000	
Al	27	2	He	75.046	75.046	1.00	27425	0.27	2000	
K	39	2	He	337.132	337.132	3.01	187471	0.18	200000	
Ca	43	2	He	1220.287	1220.287	5.76	1450	84.15	200000	
Ca	44	2	He	1201.918	1201.918	0.57	23989	5.01	200000	
V	51	2	He	0.249	0.249	97.80	2185	0.01	2000	
Cr	52	2	He	3.790	3.790	6.86	16322	0.02	2000	
Mn	55	2	He	12.173	12.173	2.49	25893	0.05	2000	
Fe	56	2	He	270.739	270.739	1.68	694572	0.04	200000	
Co	59	2	He	1.117	1.117	6.10	4101	0.03	2000	
Ni	60	2	He	8.744	8.744	4.13	7989	0.11	2000	
Cu	63	2	He	34.796	34.796	0.65	80559	0.04	2000	
Zn	66	2	He	38.147	38.147	2.45	19977	0.19	2000	
As	75	2	He	0.221	0.221	27.74	214	0.10	2000	
Sb	121	2	He	0.061	0.061	47.10	457	0.01	2000	
Se	78	2	He	0.126	0.126	159.67	18	0.70	2000	
Ti	47	2	He	1.985	1.985	35.98	230	0.86	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	773769	0.19	729080	106.13	70	120	
In	115	1	nogas	1005483	1.39	946696	106.21	70	120	
Li	6	1	nogas	686891	0.35	679142	101.14	70	120	
Bi	209	1	nogas	1388669	1.47	1320856	105.13	70	120	

Sample Report

Ge	72	2	He	229760	0.51	212544	108.10	70	120	
In	115	2	He	379561	0.44	347276	109.30	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-16
Data File Name	059SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:16:54-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.098	0.098	7.21	445	0.02	2000	
B	11	1	nogas	19.824	19.824	1.70	55607	0.04	2000	
Al	27	1	nogas	104.718	104.718	0.57	851124	0.01	2000	
Ti	47	1	nogas	2.510	2.510	2.54	1580	0.16	2000	
Ni	60	1	nogas	7.715	7.715	1.94	13706	0.06	2000	
Cu	63	1	nogas	32.669	32.669	0.83	136627	0.02	2000	
Zn	66	1	nogas	33.297	33.297	1.10	43657	0.08	2000	
Se	77	1	nogas	41.791	41.791	10.91	5971	0.70	2000	
Se	82	1	nogas	-0.772	-0.772	-30.62	40	-1.93	2000	
Sr	88	1	nogas	26.677	26.677	0.75	276357	0.01	2000	
Mo	95	1	nogas	0.028	0.028	32.14	253	0.01	2000	
Ag	107	1	nogas	0.010	0.010	22.44	123	0.01	2000	
Cd	111	1	nogas	0.073	0.073	13.31	87	0.08	2000	
Sn	118	1	nogas	0.260	0.260	30.54	2547	0.01	2000	
Sb	121	1	nogas	0.030	0.030	59.24	1007	0.00	2000	
Ba	137	1	nogas	57.079	57.079	0.79	109008	0.05	2000	
Tl	205	1	nogas	-0.003	-0.003	-40.49	233	0.00	2000	
Pb	208	1	nogas	1.803	1.803	3.16	44673	0.00	2000	
U	238	1	nogas	0.014	0.014	30.14	860	0.00	2000	
Na	23	2	He	12681.208	12681.208	1.83	11382656	0.11	200000	
Mg	24	2	He	1123.748	1123.748	0.79	578738	0.19	200000	
Al	27	2	He	103.803	103.803	1.18	36324	0.29	2000	
K	39	2	He	364.198	364.198	1.44	198547	0.18	200000	
Ca	43	2	He	1283.287	1283.287	9.64	1520	84.42	200000	
Ca	44	2	He	1305.758	1305.758	0.69	25963	5.03	200000	
V	51	2	He	0.191	0.191	39.39	2041	0.01	2000	
Cr	52	2	He	3.502	3.502	2.66	15492	0.02	2000	
Mn	55	2	He	11.783	11.783	1.87	25014	0.05	2000	
Fe	56	2	He	250.950	250.950	0.45	642921	0.04	200000	
Co	59	2	He	1.193	1.193	1.71	4367	0.03	2000	
Ni	60	2	He	7.431	7.431	3.13	6788	0.11	2000	
Cu	63	2	He	31.942	31.942	1.34	73825	0.04	2000	
Zn	66	2	He	33.674	33.674	2.35	17651	0.19	2000	
As	75	2	He	0.162	0.162	27.98	193	0.08	2000	
Sb	121	2	He	0.046	0.046	40.17	423	0.01	2000	
Se	78	2	He	-0.049	-0.049	-242.82	12	-0.40	2000	
Ti	47	2	He	2.451	2.451	9.38	280	0.88	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	770921	1.18	729080	105.74	70	120	
In	115	1	nogas	1003890	1.91	946696	106.04	70	120	
Li	6	1	nogas	687486	1.24	679142	101.23	70	120	
Bi	209	1	nogas	1386804	0.35	1320856	104.99	70	120	

Sample Report

Ge	72	2	He	229251	0.55	212544	107.86	70	120	
In	115	2	He	380112	0.57	347276	109.46	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-17
Data File Name	060SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:19:01-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.360	0.360	6.75	1455	0.02	2000	
B	11	1	nogas	10.956	10.956	2.42	35054	0.03	2000	
Al	27	1	nogas	338.762	338.762	1.87	2567262	0.01	2000	
Ti	47	1	nogas	2.524	2.524	2.11	1600	0.16	2000	
Ni	60	1	nogas	10.401	10.401	4.05	18495	0.06	2000	
Cu	63	1	nogas	8.187	8.187	1.61	35165	0.02	2000	
Zn	66	1	nogas	22.696	22.696	1.52	30334	0.07	2000	
Se	77	1	nogas	35.975	35.975	20.29	5728	0.63	2000	
Se	82	1	nogas	-0.682	-0.682	-51.51	47	-1.46	2000	
Sr	88	1	nogas	22.588	22.588	0.94	233580	0.01	2000	
Mo	95	1	nogas	0.067	0.067	27.33	340	0.02	2000	
Ag	107	1	nogas	0.018	0.018	46.48	167	0.01	2000	
Cd	111	1	nogas	0.098	0.098	5.17	117	0.08	2000	
Sn	118	1	nogas	0.054	0.054	71.14	1777	0.00	2000	
Sb	121	1	nogas	-0.009	-0.009	-327.79	807	0.00	2000	
Ba	137	1	nogas	75.083	75.083	0.64	143034	0.05	2000	
Tl	205	1	nogas	0.003	0.003	84.53	343	0.00	2000	
Pb	208	1	nogas	0.798	0.798	0.60	20423	0.00	2000	
U	238	1	nogas	0.100	0.100	10.02	3474	0.00	2000	
Na	23	2	He	15322.300	15322.300	1.44	13699605	0.11	200000	
Mg	24	2	He	953.386	953.386	1.40	489380	0.19	200000	
Al	27	2	He	330.000	330.000	2.73	106416	0.31	2000	
K	39	2	He	490.210	490.210	1.78	251116	0.20	200000	
Ca	43	2	He	1256.013	1256.013	5.25	1483	84.67	200000	
Ca	44	2	He	1190.751	1190.751	1.07	23635	5.04	200000	
V	51	2	He	1.155	1.155	38.46	4324	0.03	2000	
Cr	52	2	He	14.667	14.667	1.51	46101	0.03	2000	
Mn	55	2	He	14.781	14.781	2.34	31219	0.05	2000	
Fe	56	2	He	801.278	801.278	1.30	2030076	0.04	200000	
Co	59	2	He	1.679	1.679	3.89	6111	0.03	2000	
Ni	60	2	He	10.187	10.187	4.78	9236	0.11	2000	
Cu	63	2	He	7.793	7.793	0.76	18265	0.04	2000	
Zn	66	2	He	21.982	21.982	4.52	11645	0.19	2000	
As	75	2	He	0.496	0.496	12.96	309	0.16	2000	
Sb	121	2	He	0.037	0.037	93.15	403	0.01	2000	
Se	78	2	He	0.109	0.109	81.74	17	0.63	2000	
Ti	47	2	He	2.738	2.738	1.93	310	0.88	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	776649	0.56	729080	106.52	70	120	
In	115	1	nogas	1001847	0.27	946696	105.83	70	120	
Li	6	1	nogas	683309	0.52	679142	100.61	70	120	
Bi	209	1	nogas	1378371	1.46	1320856	104.35	70	120	

Sample Report

Ge	72	2	He	228469	1.53	212544	107.49	70	120	
In	115	2	He	374229	1.33	347276	107.76	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-18
Data File Name	061SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:21:08-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.275	0.275	1.37	1130	0.02	2000	
B	11	1	nogas	10.199	10.199	0.11	33371	0.03	2000	
Al	27	1	nogas	310.273	310.273	0.56	2344262	0.01	2000	
Ti	47	1	nogas	2.523	2.523	12.31	1590	0.16	2000	
Ni	60	1	nogas	3.933	3.933	3.70	7155	0.05	2000	
Cu	63	1	nogas	22.146	22.146	1.42	93007	0.02	2000	
Zn	66	1	nogas	28.133	28.133	1.26	37100	0.08	2000	
Se	77	1	nogas	28.458	28.458	17.14	5324	0.53	2000	
Se	82	1	nogas	-0.309	-0.309	-64.32	73	-0.42	2000	
Sr	88	1	nogas	20.532	20.532	0.70	212511	0.01	2000	
Mo	95	1	nogas	0.001	0.001	3019.09	193	0.00	2000	
Ag	107	1	nogas	0.014	0.014	26.66	147	0.01	2000	
Cd	111	1	nogas	0.053	0.053	40.48	63	0.08	2000	
Sn	118	1	nogas	-0.059	-0.059	-38.61	1357	0.00	2000	
Sb	121	1	nogas	0.006	0.006	204.95	880	0.00	2000	
Ba	137	1	nogas	77.515	77.515	0.22	147766	0.05	2000	
Tl	205	1	nogas	0.003	0.003	59.01	340	0.00	2000	
Pb	208	1	nogas	0.757	0.757	1.84	19613	0.00	2000	
U	238	1	nogas	0.091	0.091	7.52	3227	0.00	2000	
Na	23	2	He	3641.502	3641.502	0.39	3253173	0.11	200000	
Mg	24	2	He	735.249	735.249	0.37	374815	0.20	200000	
Al	27	2	He	301.626	301.626	1.37	96904	0.31	2000	
K	39	2	He	951.731	951.731	1.32	442965	0.21	200000	
Ca	43	2	He	1135.837	1135.837	15.22	1333	85.18	200000	
Ca	44	2	He	1000.898	1000.898	1.43	19796	5.06	200000	
V	51	2	He	1.273	1.273	10.00	4561	0.03	2000	
Cr	52	2	He	1.923	1.923	5.37	11018	0.02	2000	
Mn	55	2	He	15.277	15.277	1.41	32024	0.05	2000	
Fe	56	2	He	477.927	477.927	0.80	1204812	0.04	200000	
Co	59	2	He	1.559	1.559	3.43	5635	0.03	2000	
Ni	60	2	He	3.937	3.937	7.99	3604	0.11	2000	
Cu	63	2	He	21.468	21.468	2.60	49211	0.04	2000	
Zn	66	2	He	28.451	28.451	0.32	14824	0.19	2000	
As	75	2	He	0.278	0.278	31.08	231	0.12	2000	
Sb	121	2	He	0.009	0.009	303.48	340	0.00	2000	
Se	78	2	He	0.192	0.192	61.90	20	0.96	2000	
Ti	47	2	He	1.889	1.889	10.18	217	0.87	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	771755	1.39	729080	105.85	70	120	
In	115	1	nogas	1002559	0.41	946696	105.90	70	120	
Li	6	1	nogas	684124	1.42	679142	100.73	70	120	
Bi	209	1	nogas	1390962	1.47	1320856	105.31	70	120	

Sample Report

Ge	72	2	He	226766	0.31	212544	106.69	70	120	
In	115	2	He	381364	0.35	347276	109.82	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	063_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:25:22-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.138	0.432	348348	0.83	100	94.1	90	110	
B	11	1	nogas	454.016	1.825	999787	2.40	500	90.8	90	110	
Al	27	1	nogas	96.290	0.890	803450	1.14	100	96.3	90	110	
P	31	1	nogas	612.192	4.321	58970	2.65	500	122.4	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	98.005	0.188	60005	0.56	100	98.0	90	110	
Ni	60	1	nogas	101.280	0.722	178923	1.13	100	101.3	90	110	
Cu	63	1	nogas	100.557	1.203	425839	1.42	100	100.6	90	110	
Zn	66	1	nogas	98.203	0.395	128769	0.80	100	98.2	90	110	
Se	77	1	nogas	111.529	3.311	9543	2.20	100	111.5	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	92.024	4.497	6815	4.02	100	92.0	90	110	
Sr	88	1	nogas	98.956	0.742	1009637	0.59	100	99.0	90	110	
Mo	95	1	nogas	99.618	0.978	219963	0.73	100	99.6	90	110	
Ag	107	1	nogas	100.653	1.123	523206	0.86	100	100.7	90	110	
Cd	111	1	nogas	99.803	2.070	117893	1.80	100	99.8	90	110	
Sn	118	1	nogas	97.251	0.937	358922	0.69	100	97.3	90	110	
Sb	121	1	nogas	98.612	1.811	527320	2.21	100	98.6	90	110	
Ba	137	1	nogas	99.010	0.316	186328	0.19	100	99.0	90	110	
Tl	205	1	nogas	99.034	2.859	1680537	1.60	100	99.0	90	110	
Pb	208	1	nogas	99.193	2.318	2336049	1.04	100	99.2	90	110	
U	238	1	nogas	98.100	2.695	2962851	1.42	100	98.1	90	110	
Li	7	1	nogas	93.916	0.204	1084795	0.55	100	93.9	90	110	
Ba	135	1	nogas	98.949	1.260	104766	1.03	100	98.9	90	110	
Tl	203	1	nogas	99.156	2.147	688987	0.91	100	99.2	90	110	
Na	23	2	He	9687.133	0.800	8608630	0.68	10000	96.9	90	110	
Mg	24	2	He	9715.315	1.074	4943832	0.93	10000	97.2	90	110	
Al	27	2	He	96.807	2.013	33774	0.66	100	96.8	90	110	
K	39	2	He	9710.946	1.736	4118768	0.67	10000	97.1	90	110	
Ca	43	2	He	9932.926	1.618	11471	0.35	10000	99.3	90	110	
Ca	44	2	He	9819.932	1.252	190062	0.21	10000	98.2	90	110	
V	51	2	He	99.942	1.889	236327	0.48	100	99.9	90	110	
Cr	52	2	He	100.270	1.503	279139	0.54	100	100.3	90	110	
Mn	55	2	He	98.616	0.936	205720	0.77	100	98.6	90	110	
Fe	56	2	He	9921.593	1.378	24873632	0.94	10000	99.2	90	110	
Co	59	2	He	99.463	2.298	357707	0.85	100	99.5	90	110	
Ni	60	2	He	100.445	1.969	89529	0.63	100	100.4	90	110	
Cu	63	2	He	100.254	2.440	228281	1.10	100	100.3	90	110	
Zn	66	2	He	99.285	3.944	50555	2.97	100	99.3	90	110	
As	75	2	He	99.000	1.503	34312	0.22	100	99.0	90	110	
Sb	121	2	He	97.657	2.243	210855	1.71	100	97.7	90	110	
Se	78	2	He	100.735	5.471	3412	4.22	100	100.7	90	110	
Ti	47	2	He	94.566	2.635	10150	3.16	100	94.6	90	110	
Zr	90	1	nogas	94.774	1.910	653221	1.64	100	94.8	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	784023	0.41	729080	107.54	70	120	
In	115	1	nogas	990099	0.27	946696	104.58	70	120	
Li	6	1	nogas	653582	0.62	679142	96.24	70	120	
Bi	209	1	nogas	1358893	1.31	1320856	102.88	70	120	
Ge	72	2	He	226799	1.46	212544	106.71	70	120	
In	115	2	He	366397	1.00	347276	105.51	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	064_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:27:28-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.084	55.7	390	46.6	2.5	
B	11	1	nogas	15.498	16.4	45629	12.9	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-4.020	-5.3	63217	2.4	5	
P	31	1	nogas	4.699	323.8	27909	2.2	2.5	CCB Main CR1 Failed
Ti	47	1	nogas	0.322	44.2	267	31.9	2.5	
Ni	60	1	nogas	0.370	12.8	980	8.0	2.5	
Cu	63	1	nogas	0.123	31.7	1413	10.9	5	
Zn	66	1	nogas	0.860	16.8	2227	8.4	2.5	
Se	77	1	nogas	-32.467	-5.9	2364	4.5	2.5	
Se	82	1	nogas	-0.317	-90.1	73	28.4	5	
Sr	88	1	nogas	0.106	33.5	1583	23.9	2.5	
Mo	95	1	nogas	0.737	33.3	1837	30.4	2.5	
Ag	107	1	nogas	0.090	30.8	543	27.3	2.5	
Cd	111	1	nogas	0.085	31.5	101	32.4	2.5	
Sn	118	1	nogas	0.886	33.2	4874	23.1	2.5	
Sb	121	1	nogas	1.322	19.8	7869	17.0	2	
Ba	137	1	nogas	0.016	163.4	273	18.4	2.5	
Tl	205	1	nogas	0.623	59.0	11116	60.0	2.5	
Pb	208	1	nogas	0.134	35.2	4577	27.1	2.5	
U	238	1	nogas	0.124	38.1	4234	36.9	2.5	
Na	23	2	He	7.367	6.2	33998	1.4	100	
Mg	24	2	He	5.622	16.7	3584	12.9	100	
Al	27	2	He	-4.382	-9.0	2567	4.8	5	
K	39	2	He	-0.071	-3512.8	43205	2.2	100	
Ca	43	2	He	-4.021	-217.1	20	50.0	100	
Ca	44	2	He	3.361	173.0	533	20.7	100	
V	51	2	He	-0.248	-14.4	979	8.4	2.5	
Cr	52	2	He	-0.682	-18.4	3887	8.6	2.5	
Mn	55	2	He	0.142	7.0	477	4.4	2.5	
Fe	56	2	He	9.779	7.1	31300	5.2	100	
Co	59	2	He	0.059	25.1	240	22.0	2.5	
Ni	60	2	He	0.368	18.6	423	14.2	2.5	
Cu	63	2	He	0.079	40.3	590	11.9	5	
Zn	66	2	He	1.013	28.1	973	14.4	2.5	
As	75	2	He	0.085	81.8	163	14.3	2.5	
Sb	121	2	He	0.783	9.6	1994	7.8	2	
Se	78	2	He	0.615	44.4	34	27.0	5	
Ti	47	2	He	-0.007	-768.6	13	43.3	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	779211	0.71	729080	106.88	70	120	
In	115	1	nogas	1001834	0.82	946696	105.82	70	120	
Li	6	1	nogas	686479	0.47	679142	101.08	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	1379478	2.39	1320856	104.44	70	120	
Ge	72	2	He	225068	0.26	212544	105.89	70	120	
In	115	2	He	368923	0.52	347276	106.23	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-19
Data File Name	068SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:35:53-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	1.307	1.307	3.69	5103	0.03	2000	
B	11	1	nogas	9.897	9.897	1.52	32547	0.03	2000	
Al	27	1	nogas	847.401	847.401	1.21	6245180	0.01	2000	
Ti	47	1	nogas	11.256	11.256	3.58	6848	0.16	2000	
Ni	60	1	nogas	12.586	12.586	4.90	22180	0.06	2000	
Cu	63	1	nogas	5.126	5.126	2.96	22217	0.02	2000	
Zn	66	1	nogas	43.369	43.369	2.40	56614	0.08	2000	
Se	77	1	nogas	19.814	19.814	37.10	4901	0.40	2000	
Se	82	1	nogas	-0.355	-0.355	-116.35	70	-0.51	2000	
Sr	88	1	nogas	36.820	36.820	0.64	381279	0.01	2000	
Mo	95	1	nogas	0.458	0.458	4.92	1217	0.04	2000	
Ag	107	1	nogas	0.013	0.013	80.53	140	0.01	2000	
Cd	111	1	nogas	0.158	0.158	9.42	188	0.08	2000	
Sn	118	1	nogas	0.186	0.186	29.68	2274	0.01	2000	
Sb	121	1	nogas	0.047	0.047	27.64	1097	0.00	2000	
Ba	137	1	nogas	127.590	127.590	0.59	243428	0.05	2000	
Tl	205	1	nogas	0.016	0.016	28.59	557	0.00	2000	
Pb	208	1	nogas	0.789	0.789	3.12	19913	0.00	2000	
U	238	1	nogas	0.121	0.121	7.16	4081	0.00	2000	
Na	23	2	He	11701.604	11701.604	0.96	10293388	0.11	200000	
Mg	24	2	He	1472.588	1472.588	0.96	742734	0.20	200000	
Al	27	2	He	848.334	848.334	1.26	262856	0.32	2000	
K	39	2	He	569.587	569.587	0.74	279901	0.20	200000	
Ca	43	2	He	1780.106	1780.106	4.52	2057	86.55	200000	
Ca	44	2	He	1774.524	1774.524	0.63	34399	5.16	200000	
V	51	2	He	2.231	2.231	1.55	6747	0.03	2000	
Cr	52	2	He	22.956	22.956	0.59	67705	0.03	2000	
Mn	55	2	He	83.164	83.164	1.45	171833	0.05	2000	
Fe	56	2	He	7862.163	7862.163	1.54	19522081	0.04	200000	
Co	59	2	He	4.656	4.656	3.29	16609	0.03	2000	
Ni	60	2	He	12.525	12.525	3.16	11141	0.11	2000	
Cu	63	2	He	4.951	4.951	2.95	11558	0.04	2000	
Zn	66	2	He	43.074	43.074	3.69	21983	0.20	2000	
As	75	2	He	1.652	1.652	4.56	699	0.24	2000	
Sb	121	2	He	0.095	0.095	5.72	520	0.02	2000	
Se	78	2	He	0.200	0.200	111.62	20	1.00	2000	
Ti	47	2	He	9.543	9.543	7.46	1027	0.93	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	771935	0.69	729080	105.88	70	120	
In	115	1	nogas	1004110	1.33	946696	106.06	70	120	
Li	6	1	nogas	681370	1.09	679142	100.33	70	120	
Bi	209	1	nogas	1359104	0.97	1320856	102.90	70	120	

Sample Report

Ge	72	2	He	224606	1.44	212544	105.67	70	120	
In	115	2	He	372068	1.56	347276	107.14	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-20
Data File Name	069SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:38:00-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.149	0.149	7.18	627	0.02	2000	
B	11	1	nogas	8.515	8.515	1.06	28792	0.03	2000	
Al	27	1	nogas	29.253	29.253	22.92	301032	0.01	2000	
Ti	47	1	nogas	3.566	3.566	5.98	2194	0.16	2000	
Ni	60	1	nogas	12.502	12.502	4.18	21776	0.06	2000	
Cu	63	1	nogas	22.647	22.647	1.32	94031	0.02	2000	
Zn	66	1	nogas	26.216	26.216	2.16	34266	0.08	2000	
Se	77	1	nogas	22.696	22.696	6.52	4988	0.46	2000	
Se	82	1	nogas	-0.623	-0.623	-40.04	50	-1.25	2000	
Sr	88	1	nogas	95.049	95.049	1.10	970032	0.01	2000	
Mo	95	1	nogas	0.105	0.105	28.36	420	0.02	2000	
Ag	107	1	nogas	0.008	0.008	64.62	110	0.01	2000	
Cd	111	1	nogas	0.041	0.041	20.79	48	0.09	2000	
Sn	118	1	nogas	1.019	1.019	7.43	5304	0.02	2000	
Sb	121	1	nogas	0.050	0.050	29.91	1103	0.00	2000	
Ba	137	1	nogas	160.137	160.137	2.09	301262	0.05	2000	
Tl	205	1	nogas	-0.005	-0.005	-33.19	193	0.00	2000	
Pb	208	1	nogas	0.783	0.783	2.63	19913	0.00	2000	
U	238	1	nogas	0.023	0.023	10.52	1123	0.00	2000	
Na	23	2	He	49789.078	49789.078	1.50	43562989	0.11	200000	
Mg	24	2	He	3641.931	3641.931	1.22	1829815	0.20	200000	
Al	27	2	He	26.397	26.397	19.48	11915	0.22	2000	
K	39	2	He	225.980	225.980	2.99	136614	0.17	200000	
Ca	43	2	He	4395.399	4395.399	8.89	5024	87.48	200000	
Ca	44	2	He	4333.674	4333.674	1.59	83070	5.22	200000	
V	51	2	He	0.554	0.554	23.99	2834	0.02	2000	
Cr	52	2	He	4.563	4.563	1.26	17984	0.03	2000	
Mn	55	2	He	62.291	62.291	1.06	128339	0.05	2000	
Fe	56	2	He	597.414	597.414	0.56	1485021	0.04	200000	
Co	59	2	He	1.534	1.534	3.90	5474	0.03	2000	
Ni	60	2	He	12.339	12.339	8.01	10941	0.11	2000	
Cu	63	2	He	22.690	22.690	0.70	51328	0.04	2000	
Zn	66	2	He	26.906	26.906	2.89	13863	0.19	2000	
As	75	2	He	1.006	1.006	23.26	477	0.21	2000	
Sb	121	2	He	0.087	0.087	21.67	500	0.02	2000	
Se	78	2	He	0.320	0.320	32.22	24	1.33	2000	
Ti	47	2	He	3.272	3.272	22.27	360	0.91	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	763231	1.82	729080	104.68	70	120	
In	115	1	nogas	990427	1.48	946696	104.62	70	120	
Li	6	1	nogas	667138	1.17	679142	98.23	70	120	
Bi	209	1	nogas	1368952	0.67	1320856	103.64	70	120	

Sample Report

Ge	72	2	He	223867	0.79	212544	105.33	70	120	
In	115	2	He	368615	0.70	347276	106.14	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-21
Data File Name	070SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:40:06-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.169	0.169	10.18	702	0.02	2000	
B	11	1	nogas	11.459	11.459	1.60	35432	0.03	2000	
Al	27	1	nogas	13.947	13.947	2.37	194619	0.01	2000	
Ti	47	1	nogas	3.956	3.956	4.57	2474	0.16	2000	
Ni	60	1	nogas	74.519	74.519	1.17	130724	0.06	2000	
Cu	63	1	nogas	2.482	2.482	4.36	11301	0.02	2000	
Zn	66	1	nogas	20.250	20.250	4.76	27235	0.07	2000	
Se	77	1	nogas	90.190	90.190	2.85	8416	1.07	2000	
Se	82	1	nogas	0.195	0.195	200.26	110	0.18	2000	
Sr	88	1	nogas	1119.527	1119.527	1.73	11198618	0.01	2000	
Mo	95	1	nogas	0.426	0.426	3.88	1107	0.04	2000	
Ag	107	1	nogas	0.030	0.030	49.55	223	0.01	2000	
Cd	111	1	nogas	0.446	0.446	26.18	516	0.09	2000	
Sn	118	1	nogas	0.109	0.109	41.73	1923	0.01	2000	
Sb	121	1	nogas	0.054	0.054	27.27	1143	0.00	2000	
Ba	137	1	nogas	1552.307	1552.307	0.73	2862091	0.05	2000	
Tl	205	1	nogas	-0.004	-0.004	-45.81	197	0.00	2000	
Pb	208	1	nogas	0.088	0.088	10.80	3190	0.00	2000	
U	238	1	nogas	0.176	0.176	5.49	5345	0.00	2000	
Na	23	2	He	152912.377	152912.377	1.28	135710331	0.11	200000	
Mg	24	2	He	45693.300	45693.300	1.27	23290392	0.20	200000	
Al	27	2	He	14.799	14.799	4.64	8516	0.17	2000	
K	39	2	He	735.388	735.388	1.17	352811	0.21	200000	
Ca	43	2	He	60364.342	60364.342	4.44	69693	86.61	200000	
Ca	44	2	He	59699.007	59699.007	1.56	1155074	5.17	200000	
V	51	2	He	-0.256	-0.256	-159.86	971	-0.03	2000	
Cr	52	2	He	33.141	33.141	4.12	96272	0.03	2000	
Mn	55	2	He	1463.713	1463.713	2.46	3055723	0.05	2000	
Fe	56	2	He	11001.810	11001.810	2.60	27625241	0.04	200000	
Co	59	2	He	27.638	27.638	3.45	99582	0.03	2000	
Ni	60	2	He	73.023	73.023	1.59	65241	0.11	2000	
Cu	63	2	He	2.082	2.082	2.76	5158	0.04	2000	
Zn	66	2	He	19.484	19.484	3.91	10320	0.19	2000	
As	75	2	He	5.083	5.083	3.69	1893	0.27	2000	
Sb	121	2	He	0.066	0.066	70.29	463	0.01	2000	
Se	78	2	He	0.722	0.722	49.87	38	1.90	2000	
Ti	47	2	He	3.864	3.864	22.37	430	0.90	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	778144	2.01	729080	106.73	70	120	
In	115	1	nogas	971161	0.93	946696	102.58	70	120	
Li	6	1	nogas	668794	0.80	679142	98.48	70	120	
Bi	209	1	nogas	1271419	1.66	1320856	96.26	70	120	
Ge	72	2	He	227197	1.48	212544	106.89	70	120	
In	115	2	He	364854	0.65	347276	105.06	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-22
Data File Name	071SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:42:13-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.290	0.290	1.70	1143	0.03	2000	
B	11	1	nogas	10.365	10.365	2.13	32499	0.03	2000	
Al	27	1	nogas	11.546	11.546	3.81	175582	0.01	2000	
Ti	47	1	nogas	2.807	2.807	6.93	1760	0.16	2000	
Ni	60	1	nogas	39.235	39.235	1.83	68416	0.06	2000	
Cu	63	1	nogas	123.214	123.214	0.68	513308	0.02	2000	
Zn	66	1	nogas	72.091	72.091	0.28	93323	0.08	2000	
Se	77	1	nogas	67.161	67.161	6.15	7219	0.93	2000	
Se	82	1	nogas	0.621	0.621	80.86	140	0.44	2000	
Sr	88	1	nogas	965.208	965.208	0.74	9653687	0.01	2000	
Mo	95	1	nogas	0.457	0.457	9.12	1173	0.04	2000	
Ag	107	1	nogas	0.012	0.012	56.86	130	0.01	2000	
Cd	111	1	nogas	0.272	0.272	33.61	314	0.09	2000	
Sn	118	1	nogas	0.896	0.896	4.19	4758	0.02	2000	
Sb	121	1	nogas	0.064	0.064	28.10	1187	0.01	2000	
Ba	137	1	nogas	1274.223	1274.223	0.85	2348897	0.05	2000	
Tl	205	1	nogas	0.003	0.003	89.87	320	0.00	2000	
Pb	208	1	nogas	3.224	3.224	2.70	73218	0.00	2000	
U	238	1	nogas	0.076	0.076	6.47	2567	0.00	2000	
Na	23	2	He	204452.122	204452.122	1.54	178064964	0.11	200000	>LDR
Mg	24	2	He	40279.272	40279.272	2.69	20145198	0.20	200000	
Al	27	2	He	12.140	12.140	7.03	7549	0.16	2000	
K	39	2	He	735.787	735.787	1.62	346401	0.21	200000	
Ca	43	2	He	61731.017	61731.017	3.46	69951	88.25	200000	
Ca	44	2	He	61132.085	61132.085	1.64	1160751	5.27	200000	
V	51	2	He	0.209	0.209	159.08	2033	0.01	2000	
Cr	52	2	He	12.150	12.150	0.25	38249	0.03	2000	
Mn	55	2	He	1051.905	1051.905	1.32	2155453	0.05	2000	
Fe	56	2	He	10932.123	10932.123	1.27	26943543	0.04	200000	
Co	59	2	He	11.084	11.084	0.80	39221	0.03	2000	
Ni	60	2	He	39.294	39.294	1.92	34497	0.11	2000	
Cu	63	2	He	123.044	123.044	0.48	275403	0.04	2000	
Zn	66	2	He	73.039	73.039	4.16	36689	0.20	2000	
As	75	2	He	7.076	7.076	0.58	2535	0.28	2000	
Sb	121	2	He	0.060	0.060	27.74	443	0.01	2000	
Se	78	2	He	0.524	0.524	29.02	31	1.71	2000	
Ti	47	2	He	3.195	3.195	21.93	350	0.91	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	771585	0.25	729080	105.83	70	120	
In	115	1	nogas	971008	0.95	946696	102.57	70	120	
Li	6	1	nogas	658704	0.80	679142	96.99	70	120	
Bi	209	1	nogas	1288276	0.95	1320856	97.53	70	120	
Ge	72	2	He	222967	1.32	212544	104.90	70	120	
In	115	2	He	362563	0.34	347276	104.40	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-23
Data File Name	072SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:44:18-05:00
Sample Type	Sample
Dilution	1
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.129	0.129	7.22	577	0.02	2000	
B	11	1	nogas	10.003	10.003	3.32	33655	0.03	2000	
Al	27	1	nogas	585.627	585.627	1.67	4549172	0.01	2000	
Ti	47	1	nogas	7.681	7.681	6.42	4921	0.16	2000	
Ni	60	1	nogas	32.743	32.743	0.80	59876	0.05	2000	
Cu	63	1	nogas	10.773	10.773	2.65	47874	0.02	2000	
Zn	66	1	nogas	31.508	31.508	2.96	43380	0.07	2000	
Se	77	1	nogas	97.023	97.023	10.25	9090	1.07	2000	
Se	82	1	nogas	-0.535	-0.535	-62.31	60	-0.89	2000	
Sr	88	1	nogas	99.056	99.056	0.75	1053202	0.01	2000	
Mo	95	1	nogas	0.315	0.315	8.11	920	0.03	2000	
Ag	107	1	nogas	0.022	0.022	52.98	193	0.01	2000	
Cd	111	1	nogas	0.051	0.051	89.00	62	0.08	2000	
Sn	118	1	nogas	0.184	0.184	7.83	2327	0.01	2000	
Sb	121	1	nogas	-0.009	-0.009	-122.66	843	0.00	2000	
Ba	137	1	nogas	267.369	267.369	1.49	523940	0.05	2000	
Tl	205	1	nogas	0.000	0.000	-4284.08	290	0.00	2000	
Pb	208	1	nogas	0.743	0.743	5.41	19569	0.00	2000	
U	238	1	nogas	0.082	0.082	9.22	2997	0.00	2000	
Na	23	2	He	28628.296	28628.296	0.91	26081168	0.11	200000	
Mg	24	2	He	3837.578	3837.578	0.37	2006647	0.19	200000	
Al	27	2	He	580.285	580.285	1.03	187787	0.31	2000	
K	39	2	He	314.535	314.535	0.66	180365	0.17	200000	
Ca	43	2	He	5396.392	5396.392	1.16	6415	84.12	200000	
Ca	44	2	He	5043.430	5043.430	2.50	100518	5.02	200000	
V	51	2	He	1.043	1.043	26.67	4127	0.03	2000	
Cr	52	2	He	36.409	36.409	0.34	107910	0.03	2000	
Mn	55	2	He	45.496	45.496	0.38	97602	0.05	2000	
Fe	56	2	He	1921.359	1921.359	0.87	4954170	0.04	200000	
Co	59	2	He	1.542	1.542	2.21	5728	0.03	2000	
Ni	60	2	He	32.658	32.658	0.92	29977	0.11	2000	
Cu	63	2	He	10.924	10.924	1.38	25936	0.04	2000	
Zn	66	2	He	32.371	32.371	4.50	17264	0.19	2000	
As	75	2	He	0.744	0.744	31.83	402	0.18	2000	
Sb	121	2	He	0.010	0.010	54.33	350	0.00	2000	
Se	78	2	He	0.023	0.023	586.83	15	0.16	2000	
Ti	47	2	He	7.799	7.799	7.92	873	0.89	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	808484	2.10	729080	110.89	70	120	
In	115	1	nogas	1031786	0.39	946696	108.99	70	120	
Li	6	1	nogas	699362	0.40	679142	102.98	70	120	
Bi	209	1	nogas	1411584	1.03	1320856	106.87	70	120	

Sample Report

Ge	72	2	He	232975	0.85	212544	109.61	70	120	
In	115	2	He	390453	0.78	347276	112.43	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	075_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:50:36-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.547	0.694	347072	1.03	100	94.5	90	110	
B	11	1	nogas	455.845	1.688	995679	1.53	500	91.2	90	110	
Al	27	1	nogas	97.748	0.930	808718	1.06	100	97.7	90	110	
P	31	1	nogas	611.841	3.846	58552	2.02	500	122.4	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	99.084	5.036	60263	5.35	100	99.1	90	110	
Ni	60	1	nogas	99.842	1.624	175204	1.99	100	99.8	90	110	
Cu	63	1	nogas	101.040	0.108	424996	0.34	100	101.0	90	110	
Zn	66	1	nogas	100.287	1.514	130589	1.35	100	100.3	90	110	
Se	77	1	nogas	179.384	3.428	12832	2.46	100	179.4	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	97.526	4.636	7169	4.41	100	97.5	90	110	
Sr	88	1	nogas	100.145	0.533	1018950	0.61	100	100.1	90	110	
Mo	95	1	nogas	98.599	0.363	217121	0.81	100	98.6	90	110	
Ag	107	1	nogas	101.123	0.259	524224	0.88	100	101.1	90	110	
Cd	111	1	nogas	99.426	1.284	117136	1.89	100	99.4	90	110	
Sn	118	1	nogas	98.076	1.659	360964	1.69	100	98.1	90	110	
Sb	121	1	nogas	99.047	1.240	526067	1.62	100	99.0	90	110	
Ba	137	1	nogas	99.681	1.511	187070	1.43	100	99.7	90	110	
Tl	205	1	nogas	99.399	2.752	1690098	0.83	100	99.4	90	110	
Pb	208	1	nogas	99.203	2.388	2340962	0.42	100	99.2	90	110	
U	238	1	nogas	98.348	3.102	2976109	1.19	100	98.3	90	110	
Li	7	1	nogas	94.863	0.529	1086528	0.71	100	94.9	90	110	
Ba	135	1	nogas	99.062	0.984	104598	0.96	100	99.1	90	110	
Tl	203	1	nogas	99.430	3.095	692194	1.07	100	99.4	90	110	
Na	23	2	He	9805.894	1.312	8618694	0.82	10000	98.1	90	110	
Mg	24	2	He	9786.131	0.728	4925649	0.57	10000	97.9	90	110	
Al	27	2	He	95.922	4.898	33133	3.57	100	95.9	90	110	
K	39	2	He	9695.256	0.157	4067831	0.82	10000	97.0	90	110	
Ca	43	2	He	10020.503	1.688	11448	2.20	10000	100.2	90	110	
Ca	44	2	He	9848.729	0.854	188557	1.25	10000	98.5	90	110	
V	51	2	He	99.521	0.964	232811	1.52	100	99.5	90	110	
Cr	52	2	He	100.209	0.637	275961	1.14	100	100.2	90	110	
Mn	55	2	He	100.544	0.913	207452	0.48	100	100.5	90	110	
Fe	56	2	He	10066.118	0.460	24961804	0.33	10000	100.7	90	110	
Co	59	2	He	100.819	1.067	358685	0.70	100	100.8	90	110	
Ni	60	2	He	101.010	1.618	89060	1.45	100	101.0	90	110	
Cu	63	2	He	100.277	0.685	225886	0.92	100	100.3	90	110	
Zn	66	2	He	100.260	0.724	50502	0.65	100	100.3	90	110	
As	75	2	He	99.422	0.734	34087	1.51	100	99.4	90	110	
Sb	121	2	He	99.173	1.593	211795	0.96	100	99.2	90	110	
Se	78	2	He	99.841	1.636	3347	2.36	100	99.8	90	110	
Ti	47	2	He	98.834	3.948	10490	3.76	100	98.8	90	110	
Zr	90	1	nogas	95.432	1.149	655972	1.45	100	95.4	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	778746	0.39	729080	106.81	70	120	
In	115	1	nogas	987379	0.62	946696	104.30	70	120	
Li	6	1	nogas	648369	0.39	679142	95.47	70	120	
Bi	209	1	nogas	1361785	2.08	1320856	103.10	70	120	
Ge	72	2	He	224318	0.79	212544	105.54	70	120	
In	115	2	He	369405	0.92	347276	106.37	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	076_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T12:52:43-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.106	41.7	467	36.1	2.5	
B	11	1	nogas	15.618	18.7	44897	14.7	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-4.031	-3.9	61922	1.6	5	
P	31	1	nogas	-2.852	-561.3	26997	2.0	2.5	
Ti	47	1	nogas	0.292	87.4	243	61.7	2.5	
Ni	60	1	nogas	0.388	23.9	990	15.1	2.5	
Cu	63	1	nogas	0.142	28.8	1463	10.5	5	
Zn	66	1	nogas	0.903	17.0	2237	7.9	2.5	
Se	77	1	nogas	-1.480	-189.0	3821	3.3	2.5	
Se	82	1	nogas	0.217	279.7	110	39.6	5	
Sr	88	1	nogas	0.112	43.4	1623	30.8	2.5	
Mo	95	1	nogas	0.723	20.5	1787	18.6	2.5	
Ag	107	1	nogas	0.109	35.2	640	31.6	2.5	
Cd	111	1	nogas	0.068	88.2	80	88.7	2.5	
Sn	118	1	nogas	0.959	24.6	5094	17.2	2.5	
Sb	121	1	nogas	1.260	21.2	7392	17.9	2	
Ba	137	1	nogas	0.040	174.3	317	41.7	2.5	
Tl	205	1	nogas	0.634	58.5	11149	59.1	2.5	
Pb	208	1	nogas	0.127	34.3	4360	25.7	2.5	
U	238	1	nogas	0.126	39.0	4251	36.9	2.5	
Na	23	2	He	14.905	9.1	39838	2.8	100	
Mg	24	2	He	6.319	1.5	3861	1.4	100	
Al	27	2	He	-4.661	-3.8	2434	2.1	5	
K	39	2	He	2.671	43.0	43492	1.3	100	
Ca	43	2	He	2.256	1139.9	27	108.3	100	
Ca	44	2	He	4.431	72.6	543	11.2	100	
V	51	2	He	-0.404	-58.5	604	89.3	2.5	
Cr	52	2	He	-0.617	-13.1	3984	5.3	2.5	
Mn	55	2	He	0.191	6.6	567	4.4	2.5	
Fe	56	2	He	9.828	7.9	30819	6.3	100	
Co	59	2	He	0.065	8.9	257	8.1	2.5	
Ni	60	2	He	0.377	7.3	423	5.5	2.5	
Cu	63	2	He	0.102	42.2	630	15.1	5	
Zn	66	2	He	0.766	29.2	833	13.2	2.5	
As	75	2	He	0.236	41.6	211	15.8	2.5	
Sb	121	2	He	0.793	7.4	1977	6.4	2	
Se	78	2	He	0.615	49.1	33	29.6	5	
Ti	47	2	He	0.187	164.6	33	96.4	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	764255	0.91	729080	104.82	70	120	

Continuing Calibration Blank (CCB) Report

In	115	1	nogas	992190	0.41	946696	104.81	70	120	
Li	6	1	nogas	671398	0.35	679142	98.86	70	120	
Bi	209	1	nogas	1363168	2.06	1320856	103.20	70	120	
Ge	72	2	He	220720	0.20	212544	103.85	70	120	
In	115	2	He	365862	0.18	347276	105.35	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-11
Data File Name	084SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T13:09:32-05:00
Sample Type	Sample
Dilution	5
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	0.061	0.304	30.23	290	0.02	2000	
B	11	1	nogas	27.893	139.467	13.00	71463	0.04	2000	
Al	27	1	nogas	0.902	4.508	5.54	98002	0.00	2000	
Ti	47	1	nogas	1.240	6.200	17.59	813	0.15	2000	
Ni	60	1	nogas	6.077	30.383	1.67	10837	0.06	2000	
Cu	63	1	nogas	6.048	30.240	3.04	25953	0.02	2000	
Zn	66	1	nogas	351.668	1758.340	0.50	449496	0.08	2000	
Se	77	1	nogas	-28.139	-140.693	-15.97	2544	-1.11	2000	
Se	82	1	nogas	0.349	1.743	108.04	120	0.29	2000	
Sr	88	1	nogas	25.203	126.016	0.63	260365	0.01	2000	
Mo	95	1	nogas	0.976	4.878	4.03	2367	0.04	2000	
Ag	107	1	nogas	0.064	0.322	71.80	410	0.02	2000	
Cd	111	1	nogas	0.089	0.446	39.01	106	0.08	2000	
Sn	118	1	nogas	0.766	3.830	28.14	4424	0.02	2000	
Sb	121	1	nogas	0.881	4.405	23.90	5455	0.02	2000	
Ba	137	1	nogas	9.291	46.455	4.30	17898	0.05	2000	
Tl	205	1	nogas	0.245	1.227	50.78	4968	0.00	2000	
Pb	208	1	nogas	0.251	1.253	9.59	8031	0.00	2000	
U	238	1	nogas	0.162	0.809	32.75	5898	0.00	2000	
Na	23	2	He	20034.992	100174.960	2.53	17638707	0.11	200000	
Mg	24	2	He	1362.848	6814.238	0.91	688968	0.20	200000	
Al	27	2	He	0.037	0.183	1635.36	3917	0.00	2000	
K	39	2	He	148.017	740.087	5.33	104875	0.14	200000	
Ca	43	2	He	1423.676	7118.382	4.37	1653	86.10	200000	
Ca	44	2	He	1572.088	7860.441	2.24	30591	5.14	200000	
V	51	2	He	-0.182	-0.911	-87.82	1138	-0.02	2000	
Cr	52	2	He	0.735	3.674	17.89	7719	0.01	2000	
Mn	55	2	He	73.015	365.073	1.60	151211	0.05	2000	
Fe	56	2	He	4308.756	21543.782	0.70	10725879	0.04	200000	
Co	59	2	He	2.110	10.552	4.65	7559	0.03	2000	
Ni	60	2	He	5.815	29.075	1.54	5238	0.11	2000	
Cu	63	2	He	5.584	27.920	5.02	13013	0.04	2000	
Zn	66	2	He	351.534	1757.668	1.69	176504	0.20	2000	
As	75	2	He	0.782	3.908	3.61	402	0.19	2000	
Sb	121	2	He	0.536	2.682	7.55	1467	0.04	2000	
Se	78	2	He	0.674	3.368	22.56	36	1.87	2000	
Ti	47	2	He	0.711	3.553	56.54	90	0.79	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	769081	0.90	729080	105.49	70	120	
In	115	1	nogas	1001111	0.46	946696	105.75	70	120	
Li	6	1	nogas	662632	0.37	679142	97.57	70	120	
Bi	209	1	nogas	1505985	2.85	1320856	114.02	70	120	

Sample Report

Ge	72	2	He	225107	1.67	212544	105.91	70	120	
In	115	2	He	370704	0.21	347276	106.75	70	120	

Sample Report

Sample Table

Sample Name	HS24061330-22
Data File Name	085SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T13:11:38-05:00
Sample Type	Sample
Dilution	100
Comment	TWDOD 214521
ISTD Ref FileName	011CALB.d
Sample QC Pass/Fail	Pass
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Be	9	1	nogas	-0.002	-0.229	-187.16	53	0.00	2000	
B	11	1	nogas	9.672	967.160	4.11	31195	0.03	2000	
Al	27	1	nogas	-4.529	-452.903	-1.50	58237	-0.01	2000	
Ti	47	1	nogas	0.073	7.320	56.74	113	0.06	2000	
Ni	60	1	nogas	0.363	36.310	23.98	947	0.04	2000	
Cu	63	1	nogas	1.332	133.171	1.67	6355	0.02	2000	
Zn	66	1	nogas	1.304	130.350	5.97	2740	0.05	2000	
Se	77	1	nogas	-34.805	-3480.539	-14.50	2200	-1.58	2000	
Se	82	1	nogas	-0.342	-34.243	-71.12	70	-0.49	2000	
Sr	88	1	nogas	9.512	951.170	1.16	98572	0.01	2000	
Mo	95	1	nogas	0.044	4.444	68.39	290	0.02	2000	
Ag	107	1	nogas	0.001	0.118	331.96	77	0.00	2000	
Cd	111	1	nogas	0.009	0.886	167.68	10	0.09	2000	
Sn	118	1	nogas	-0.048	-4.782	-158.68	1400	0.00	2000	
Sb	121	1	nogas	0.097	9.682	45.73	1343	0.01	2000	
Ba	137	1	nogas	12.254	1225.448	5.34	23530	0.05	2000	
Tl	205	1	nogas	0.008	0.762	37.50	423	0.00	2000	
Pb	208	1	nogas	0.024	2.438	4.03	1970	0.00	2000	
U	238	1	nogas	0.003	0.275	67.04	510	0.00	2000	
Na	23	2	He	2093.435	209343.519	0.26	1869063	0.11	200000	
Mg	24	2	He	407.479	40747.909	1.02	206636	0.20	200000	
Al	27	2	He	-4.723	-472.349	-9.04	2464	-0.19	2000	
K	39	2	He	0.700	69.956	234.19	43556	0.00	200000	
Ca	43	2	He	619.450	61945.000	12.46	733	84.47	200000	
Ca	44	2	He	598.036	59803.579	3.34	11935	5.01	200000	
V	51	2	He	-0.352	-35.177	-18.18	738	-0.05	2000	
Cr	52	2	He	-0.773	-77.298	-4.30	3644	-0.02	2000	
Mn	55	2	He	11.014	1101.429	3.90	22978	0.05	2000	
Fe	56	2	He	112.804	11280.448	0.85	287757	0.04	200000	
Co	59	2	He	0.128	12.834	15.58	487	0.03	2000	
Ni	60	2	He	0.526	52.588	26.01	563	0.09	2000	
Cu	63	2	He	1.251	125.095	5.41	3237	0.04	2000	
Zn	66	2	He	0.852	85.220	12.39	893	0.10	2000	
As	75	2	He	-0.081	-8.075	-62.79	107	-0.08	2000	
Sb	121	2	He	0.096	9.587	24.12	523	0.02	2000	
Se	78	2	He	0.018	1.759	596.86	14	0.13	2000	
Ti	47	2	He	0.056	5.594	292.61	20	0.28	200	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	762828	0.52	729080	104.63	70	120	
In	115	1	nogas	1001269	1.06	946696	105.76	70	120	
Li	6	1	nogas	663447	0.06	679142	97.69	70	120	
Bi	209	1	nogas	1399595	2.52	1320856	105.96	70	120	

Sample Report

Ge	72	2	He	225208	0.42	212544	105.96	70	120	
In	115	2	He	377325	0.86	347276	108.65	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	087_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T13:15:52-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.329	1.455	332899	1.11	100	94.3	90	110	
B	11	1	nogas	460.743	2.652	967414	2.27	500	92.1	90	110	
Al	27	1	nogas	97.508	1.244	777167	1.30	100	97.5	90	110	
P	31	1	nogas	627.535	0.857	57153	0.32	500	125.5	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	100.592	0.421	58915	0.91	100	100.6	90	110	
Ni	60	1	nogas	100.513	1.653	169866	1.95	100	100.5	90	110	
Cu	63	1	nogas	101.170	0.589	409832	0.87	100	101.2	90	110	
Zn	66	1	nogas	99.971	2.136	125388	2.71	100	100.0	90	110	
Se	77	1	nogas	93.846	8.569	8286	4.14	100	93.8	90	110	
Se	82	1	nogas	99.398	6.135	7035	6.07	100	99.4	90	110	
Sr	88	1	nogas	99.370	0.689	985924	1.34	100	99.4	90	110	
Mo	95	1	nogas	97.726	0.598	209843	1.25	100	97.7	90	110	
Ag	107	1	nogas	100.873	0.304	509902	0.95	100	100.9	90	110	
Cd	111	1	nogas	99.633	1.350	114457	2.01	100	99.6	90	110	
Sn	118	1	nogas	98.345	1.696	352953	2.18	100	98.3	90	110	
Sb	121	1	nogas	99.723	2.763	510112	3.11	100	99.7	90	110	
Ba	137	1	nogas	100.279	1.795	183519	2.35	100	100.3	90	110	
Tl	205	1	nogas	100.140	3.303	1669610	2.03	100	100.1	90	110	
Pb	208	1	nogas	100.104	3.100	2316234	1.75	100	100.1	90	110	
U	238	1	nogas	98.491	3.169	2922776	2.12	100	98.5	90	110	
Li	7	1	nogas	95.231	0.851	1048476	0.46	100	95.2	90	110	
Ba	135	1	nogas	100.692	1.634	103678	2.27	100	100.7	90	110	
Tl	203	1	nogas	100.420	3.549	685514	2.22	100	100.4	90	110	
Na	23	2	He	9768.129	1.451	8376573	0.18	10000	97.7	90	110	
Mg	24	2	He	9794.881	0.963	4810089	0.38	10000	97.9	90	110	
Al	27	2	He	98.816	5.708	33183	3.83	100	98.8	90	110	
K	39	2	He	9721.531	2.052	3979010	0.74	10000	97.2	90	110	
Ca	43	2	He	9609.435	3.588	10711	3.22	10000	96.1	90	110	
Ca	44	2	He	9776.015	1.505	182599	0.23	10000	97.8	90	110	
V	51	2	He	98.387	1.544	224552	0.24	100	98.4	90	110	
Cr	52	2	He	99.877	1.238	268357	0.36	100	99.9	90	110	
Mn	55	2	He	99.892	1.781	201083	0.67	100	99.9	90	110	
Fe	56	2	He	10046.387	2.195	24304000	0.90	10000	100.5	90	110	
Co	59	2	He	100.626	1.955	349264	0.71	100	100.6	90	110	
Ni	60	2	He	101.391	2.000	87219	1.54	100	101.4	90	110	
Cu	63	2	He	101.181	2.713	222335	1.48	100	101.2	90	110	
Zn	66	2	He	103.296	2.366	50753	2.41	100	103.3	90	110	
As	75	2	He	99.326	2.772	33218	1.47	100	99.3	90	110	
Sb	121	2	He	99.198	1.308	206697	0.16	100	99.2	90	110	
Se	78	2	He	99.981	2.556	3270	2.13	100	100.0	90	110	
Ti	47	2	He	97.867	3.494	10134	2.24	100	97.9	90	110	
Zr	90	1	nogas	94.405	2.678	632822	3.32	100	94.4	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	749999	0.60	729080	102.87	70	120	
In	115	1	nogas	962780	0.66	946696	101.70	70	120	
Li	6	1	nogas	623357	0.36	679142	91.79	70	120	
Bi	209	1	nogas	1335242	1.60	1320856	101.09	70	120	
Ge	72	2	He	218871	1.29	212544	102.98	70	120	
In	115	2	He	366193	0.96	347276	105.45	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	088_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T13:17:59-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.111	18.9	475	16.2	2.5	
B	11	1	nogas	19.041	14.2	51402	11.3	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-4.091	-4.3	61022	0.9	5	
P	31	1	nogas	-4.144	-88.3	26737	1.8	2.5	
Ti	47	1	nogas	0.312	39.2	253	26.9	2.5	
Ni	60	1	nogas	0.265	24.0	773	12.8	2.5	
Cu	63	1	nogas	0.126	63.2	1387	22.0	5	
Zn	66	1	nogas	1.014	15.3	2360	7.4	2.5	
Se	77	1	nogas	-41.656	-8.3	1857	7.8	2.5	
Se	82	1	nogas	-0.055	-754.3	90	33.3	5	
Sr	88	1	nogas	0.121	31.9	1707	23.1	2.5	
Mo	95	1	nogas	0.824	36.7	1997	33.0	2.5	
Ag	107	1	nogas	0.117	12.4	677	10.9	2.5	
Cd	111	1	nogas	0.096	18.8	112	19.4	2.5	
Sn	118	1	nogas	0.950	22.5	5024	15.2	2.5	
Sb	121	1	nogas	1.284	23.4	7455	19.7	2	
Ba	137	1	nogas	0.054	69.3	340	20.4	2.5	
Tl	205	1	nogas	0.670	56.4	11743	56.7	2.5	
Pb	208	1	nogas	0.142	29.4	4714	22.8	2.5	
U	238	1	nogas	0.129	31.8	4338	30.6	2.5	
Na	23	2	He	13.053	5.2	38806	0.3	100	
Mg	24	2	He	6.350	2.1	3934	2.5	100	
Al	27	2	He	-4.746	-12.3	2444	7.0	5	
K	39	2	He	1.473	240.9	43633	2.7	100	
Ca	43	2	He	7.734	129.3	33	34.6	100	
Ca	44	2	He	1.529	362.9	497	22.3	100	
V	51	2	He	-0.306	-56.2	839	46.6	2.5	
Cr	52	2	He	-0.688	-16.1	3851	6.8	2.5	
Mn	55	2	He	0.154	23.7	500	15.1	2.5	
Fe	56	2	He	10.510	6.6	32956	4.7	100	
Co	59	2	He	0.069	5.0	273	5.6	2.5	
Ni	60	2	He	0.359	19.9	413	15.6	2.5	
Cu	63	2	He	0.080	43.6	590	12.2	5	
Zn	66	2	He	0.902	7.0	913	2.3	2.5	
As	75	2	He	0.097	20.6	167	5.3	2.5	
Sb	121	2	He	0.843	5.8	2110	3.8	2	
Se	78	2	He	0.661	24.5	35	14.2	5	
Ti	47	2	He	0.246	102.6	40	66.1	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	758532	1.56	729080	104.04	70	120	
In	115	1	nogas	985722	0.82	946696	104.12	70	120	
Li	6	1	nogas	656806	0.33	679142	96.71	70	120	

Continuing Calibration Blank (CCB) Report

Bi	209	1	nogas	1361680	1.67	1320856	103.09	70	120	
Ge	72	2	He	223999	1.20	212544	105.39	70	120	
In	115	2	He	372609	0.73	347276	107.29	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	099_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T13:41:16-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Exp Value	%Rec	%Low	%High2	QC Flag
Be	9	1	nogas	94.452	0.899	327331	0.22	100	94.5	90	110	
B	11	1	nogas	456.881	1.341	942180	1.51	500	91.4	90	110	
Al	27	1	nogas	97.512	2.196	775931	0.72	100	97.5	90	110	
P	31	1	nogas	620.764	0.244	56745	1.79	500	124.2	90	110	CCV Main CR1-2 Failed
Ti	47	1	nogas	98.201	2.630	57422	1.87	100	98.2	90	110	
Ni	60	1	nogas	100.537	1.325	169638	0.44	100	100.5	90	110	
Cu	63	1	nogas	101.476	1.672	410420	0.80	100	101.5	90	110	
Zn	66	1	nogas	100.193	0.352	125472	1.41	100	100.2	90	110	
Se	77	1	nogas	85.316	5.728	7872	4.55	100	85.3	90	110	CCV Main CR1-2 Failed
Se	82	1	nogas	97.637	5.026	6898	3.20	100	97.6	90	110	
Sr	88	1	nogas	99.891	1.087	992480	1.14	100	99.9	90	110	
Mo	95	1	nogas	98.952	1.204	212775	1.42	100	99.0	90	110	
Ag	107	1	nogas	100.787	0.620	510184	0.63	100	100.8	90	110	
Cd	111	1	nogas	100.897	1.117	116066	0.93	100	100.9	90	110	
Sn	118	1	nogas	98.729	1.416	354808	1.20	100	98.7	90	110	
Sb	121	1	nogas	101.663	0.420	519256	1.75	100	101.7	90	110	
Ba	137	1	nogas	100.837	1.921	184788	1.83	100	100.8	90	110	
Tl	205	1	nogas	99.584	1.808	1662901	1.25	100	99.6	90	110	
Pb	208	1	nogas	99.618	0.816	2308699	1.23	100	99.6	90	110	
U	238	1	nogas	98.566	1.610	2929493	1.40	100	98.6	90	110	
Li	7	1	nogas	94.473	0.452	1021771	0.70	100	94.5	90	110	
Ba	135	1	nogas	100.210	1.692	103321	1.61	100	100.2	90	110	
Tl	203	1	nogas	100.174	2.567	684940	2.52	100	100.2	90	110	
Na	23	2	He	9541.523	1.821	8216413	1.04	10000	95.4	90	110	
Mg	24	2	He	9574.590	0.350	4721477	0.96	10000	95.7	90	110	
Al	27	2	He	94.102	3.374	31917	1.76	100	94.1	90	110	
K	39	2	He	9555.696	0.600	3928379	0.61	10000	95.6	90	110	
Ca	43	2	He	9893.079	2.562	11071	1.65	10000	98.9	90	110	
Ca	44	2	He	9655.748	0.192	181121	1.27	10000	96.6	90	110	
V	51	2	He	97.735	0.452	224017	1.20	100	97.7	90	110	
Cr	52	2	He	98.398	2.097	265533	0.89	100	98.4	90	110	
Mn	55	2	He	99.124	1.041	200370	0.44	100	99.1	90	110	
Fe	56	2	He	9990.377	1.578	24269144	0.43	10000	99.9	90	110	
Co	59	2	He	99.499	1.581	346780	0.39	100	99.5	90	110	
Ni	60	2	He	100.878	1.153	87135	0.28	100	100.9	90	110	
Cu	63	2	He	100.183	1.368	221074	0.17	100	100.2	90	110	
Zn	66	2	He	99.518	1.416	49111	0.43	100	99.5	90	110	
As	75	2	He	98.817	1.246	33190	1.24	100	98.8	90	110	
Sb	121	2	He	99.615	2.003	208406	0.85	100	99.6	90	110	
Se	78	2	He	97.674	1.381	3208	0.41	100	97.7	90	110	
Ti	47	2	He	95.270	2.454	9907	1.64	100	95.3	90	110	
Zr	90	1	nogas	95.445	1.638	640623	1.62	100	95.4	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	748943	1.75	729080	102.72	70	120	
In	115	1	nogas	964162	0.39	946696	101.84	70	120	
Li	6	1	nogas	612145	0.86	679142	90.14	70	120	
Bi	209	1	nogas	1337015	1.18	1320856	101.22	70	120	
Ge	72	2	He	219768	1.20	212544	103.40	70	120	
In	115	2	He	361211	0.73	347276	104.01	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	100_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq Date Time	2024-07-09T13:43:22-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	011CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	Conc %RSD	CPS	CPS %RSD	Upper Limit	QC Flag
Be	9	1	nogas	0.108	48.6	455	42.9	2.5	
B	11	1	nogas	20.232	12.5	53094	10.9	2.5	CCB Main CR1 Failed
Al	27	1	nogas	-3.723	-2.7	63197	0.9	5	
P	31	1	nogas	-16.266	-30.8	25949	0.5	2.5	
Ti	47	1	nogas	0.241	19.4	210	12.6	2.5	
Ni	60	1	nogas	0.388	14.9	977	9.7	2.5	
Cu	63	1	nogas	0.209	39.0	1717	18.8	5	
Zn	66	1	nogas	1.091	2.0	2440	1.1	2.5	
Se	77	1	nogas	-45.536	-13.8	1660	18.6	2.5	
Se	82	1	nogas	0.479	36.0	127	9.1	5	
Sr	88	1	nogas	0.113	27.2	1623	18.8	2.5	
Mo	95	1	nogas	0.779	33.2	1894	29.4	2.5	
Ag	107	1	nogas	0.116	36.2	670	31.9	2.5	
Cd	111	1	nogas	0.093	32.4	109	32.1	2.5	
Sn	118	1	nogas	0.951	20.1	5021	13.5	2.5	
Sb	121	1	nogas	1.527	14.6	8656	12.7	2	
Ba	137	1	nogas	0.040	146.8	313	34.4	2.5	
Tl	205	1	nogas	0.628	57.6	10993	58.3	2.5	
Pb	208	1	nogas	0.113	36.2	3994	26.3	2.5	
U	238	1	nogas	0.133	35.1	4431	34.1	2.5	
Na	23	2	He	13.304	4.0	38057	2.1	100	
Mg	24	2	He	6.429	7.7	3877	8.0	100	
Al	27	2	He	-3.316	-9.7	2807	3.2	5	
K	39	2	He	8.546	4.8	45411	1.6	100	
Ca	43	2	He	-3.445	-454.3	20	86.6	100	
Ca	44	2	He	4.886	70.5	547	13.2	100	
V	51	2	He	-0.263	-48.6	914	29.6	2.5	
Cr	52	2	He	-0.636	-3.7	3894	1.9	2.5	
Mn	55	2	He	0.162	10.5	503	8.0	2.5	
Fe	56	2	He	11.191	7.2	33808	7.5	100	
Co	59	2	He	0.069	13.7	267	12.1	2.5	
Ni	60	2	He	0.351	5.3	397	3.9	2.5	
Cu	63	2	He	0.137	14.3	700	7.4	5	
Zn	66	2	He	0.997	25.2	937	13.3	2.5	
As	75	2	He	0.080	84.3	157	13.3	2.5	
Sb	121	2	He	0.973	6.9	2330	6.7	2	
Se	78	2	He	0.341	86.2	24	38.2	5	
Ti	47	2	He	0.156	105.1	30	57.7	2.5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Ge	72	1	nogas	752999	0.48	729080	103.28	70	120	
In	115	1	nogas	984073	0.63	946696	103.95	70	120	
Li	6	1	nogas	645222	0.71	679142	95.01	70	120	

Continuing Calibration Blank (CCB) Report

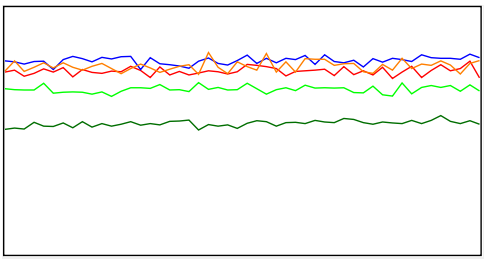
Bi	209	1	nogas	1355709	2.11	1320856	102.64	70	120	
Ge	72	2	He	218418	1.85	212544	102.76	70	120	
In	115	2	He	367794	0.99	347276	105.91	70	120	

Tune Check Report

Operator Name	ALSHS NoUser
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\070924A.b
Acq. Date-Time	7/9/2024 9:54:07 AM
Report Comment	---
Instrument Name	G3281A JP11080910

[nogas]

Sensitivity



Sampling Period [sec]	0.514
Integration Time [sec]	0.1

Mass	Range	Count	Resp [cps/ug/l]	Resp (Required) [cps/ug/l]	Resp (Flag)
9	5000	3712	37122.37		
24	10000	6687	66872.03		
59	10000	7856	78560.83		
115	5000	3817	38166.83		
208	20000	10604	106037.64		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	
115		-	
208		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	2.130	5.000	
24	2.083	5.000	
59	1.945	5.000	
115	2.756	5.000	
208	2.265	5.000	

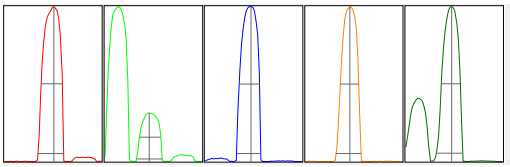
Mass	Background	Background (Required)	Background (Flag)
9	0.200		
24	0.000		
59	0.200		
115	1.300		
208	1.900		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.124 %
Doubly Charged	70 / 140 0.551 %

Tune Check Report

Resolution/Axis



Integration Time [sec]	0.1
Acquisition Time [sec]	37.4
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	3859.39	9.05	8.90 - 9.10	
24	6756.20	23.90	23.90 - 24.10	
59	8060.44	58.95	58.90 - 59.10	
115	3963.03	114.90	114.90 - 115.10	
208	10884.40	207.95	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.64	0.783		
24	0.65	0.785		
59	0.62	0.739		
115	0.56	0.764		
208	0.58	0.810		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.48 L/min	Dilution Gas	0.55 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	---
RF Matching	1.70 V	Nebulizer Pump	0.10 rps	Plasma Gas	---
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.1 V	Deflect	14.0 V
Extract 2	-190.0 V	Cell Entrance	-30 V	Plate Bias	-45 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9992	QP Bias	-3.0 V
Mass Offset	126	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.5 mm		

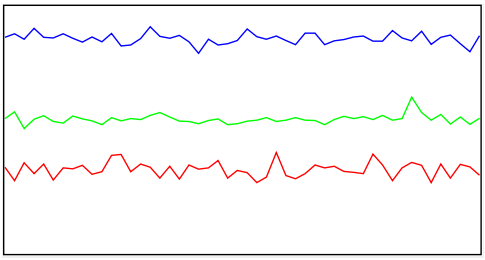
EM

Discriminator	4.5 mV	Analog HV	1646 V	Pulse HV	1741 V

[He]

Tune Check Report

Sensitivity



Sampling Period [sec]	0.306
Integration Time [sec]	0.1

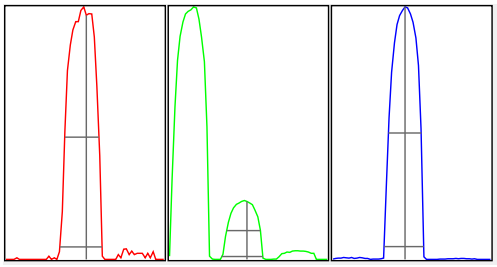
Mass	Range	Count	Resp [cps/ug/l]	Resp (Required) [cps/ug/l]	Resp (Flag)
9	500	169	1694.09		
24	2000	1088	10880.61		
59	5000	4352	43520.13		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	8.954	5.000	Fail
24	3.474	5.000	
59	2.496	5.000	

Mass	Background	Background (Required)	Background (Flag)
9			
24			
59			

Resolution/Axis



Integration Time [sec]	0.1
Acquisition Time [sec]	22.24
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	162.77	9.05	8.90 - 9.10	
24	1081.67	24.00	23.90 - 24.10	
59	4512.15	58.90	58.90 - 59.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.64	0.790		
24	0.63	0.768		
59	0.61	0.738		

Tune Parameters

Plasma Parameters

Tune Check Report

Plasma Mode	---	Nebulizer Gas	0.48 L/min	Dilution Gas	0.55 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	---
RF Matching	1.70 V	Nebulizer Pump	0.10 rps	Plasma Gas	---
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.0 V	Deflect	0.4 V
Extract 2	-190.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-100 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9992	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	-0.5 mm		

EM

Discriminator	4.5 mV	Analog HV	1646 V	Pulse HV	1741 V

HS24061330 ALS Middletown Level IV
Package AHH-130

ALS WO# HS24061330

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | Fax: 717-944-1430 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 | Fax: 717-944-1430 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For **ALS Environmental-Houston**

Project AHH130|HS24061330
Workorder 3366026
Report ID 336403 on 7/9/2024

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jun 26, 2024.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Sarah Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
Dayna Fisher - ALS Environmental-Houston
Jumoke Lawal - ALS Environmental-Houston
Luis Aguilar - ALS Houston

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Sarah Leung

Sarah Leung *(ALS Digital Signature)*
Project Coordinator

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Certificate of Analysis

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Analytical Results Report For **ALS Environmental-Houston**

Project AHH130|HS24061330
Workorder 3366026
Report ID 336403 on 7/9/2024

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jun 26, 2024.

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Sarah Leung

Sarah Leung *(ALS Digital Signature)*
Project Coordinator

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Project AHH130|HS24061330
Workorder 3366026

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3366026001	ICT2_062024	Ground Water	06/20/2024 06:40	06/26/2024 09:36	CBC	Collected By Client
3366026002	ICT4_062024	Ground Water	06/20/2024 06:54	06/26/2024 09:36	CBC	Collected By Client
3366026003	ICT7_062024	Ground Water	06/20/2024 07:03	06/26/2024 09:36	CBC	Collected By Client
3366026004	ICT8_062024	Ground Water	06/20/2024 07:12	06/26/2024 09:36	CBC	Collected By Client
3366026005	ICT11_062024	Ground Water	06/20/2024 07:28	06/26/2024 09:36	CBC	Collected By Client
3366026006	ICT12A_062024	Ground Water	06/20/2024 07:38	06/26/2024 09:36	CBC	Collected By Client
3366026007	ICT12B_062024	Ground Water	06/20/2024 07:45	06/26/2024 09:36	CBC	Collected By Client
3366026008	ICT12C_062024	Ground Water	06/20/2024 07:52	06/26/2024 09:36	CBC	Collected By Client
3366026009	ICT12D_062024	Ground Water	06/20/2024 08:00	06/26/2024 09:36	CBC	Collected By Client
3366026010	ICT12D_062024_a	Ground Water	06/20/2024 08:00	06/26/2024 09:36	CBC	Collected By Client
3366026011	ICT12E_062024	Ground Water	06/20/2024 08:10	06/26/2024 09:36	CBC	Collected By Client
3366026012	ICT13A_062024	Ground Water	06/20/2024 08:18	06/26/2024 09:36	CBC	Collected By Client
3366026013	ICT13B_062024	Ground Water	06/20/2024 08:25	06/26/2024 09:36	CBC	Collected By Client
3366026014	ICT13C_062024	Ground Water	06/20/2024 08:34	06/26/2024 09:36	CBC	Collected By Client
3366026015	ICT13D_062024	Ground Water	06/20/2024 08:43	06/26/2024 09:36	CBC	Collected By Client
3366026016	ICT13E_062024	Ground Water	06/20/2024 08:55	06/26/2024 09:36	CBC	Collected By Client
3366026017	ICT13F_062024	Ground Water	06/20/2024 09:02	06/26/2024 09:36	CBC	Collected By Client
3366026018	ICT14A_062024	Ground Water	06/20/2024 09:14	06/26/2024 09:36	CBC	Collected By Client
3366026019	ICT14B_062024	Ground Water	06/20/2024 09:22	06/26/2024 09:36	CBC	Collected By Client
3366026020	ICT14C_062024	Ground Water	06/20/2024 09:27	06/26/2024 09:36	CBC	Collected By Client
3366026021	ICT14D_062024	Ground Water	06/20/2024 09:35	06/26/2024 09:36	CBC	Collected By Client
3366026022	ICT14E_062024	Ground Water	06/20/2024 09:42	06/26/2024 09:36	CBC	Collected By Client
3366026023	CG-041923-962	Ground Water	06/20/2024 00:00	06/26/2024 09:36	CBC	Collected By Client
3366026024	ICT13D_062024_a	Ground Water	06/20/2024 08:43	06/26/2024 09:36	CBC	Collected By Client

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Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

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Project AHH130|HS24061330
Workorder 3366026

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte 1,2-Dichloroethane. The % Recovery was reported as 72.5 and the control limits were 73 to 128.
2	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte 1,2-Dichloroethane. The % Recovery was reported as 67.4 and the control limits were 73 to 128.
3	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte 1,1-Dichloroethene. The % Recovery was reported as 32.7 and the control limits were 71 to 131.
4	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte 1,1-Dichloroethene. The % Recovery was reported as 11.3 and the control limits were 71 to 131.
5	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte trans-1,2-Dichloroethene. The % Recovery was reported as 138 and the control limits were 75 to 124.
6	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte trans-1,2-Dichloroethene. The % Recovery was reported as 127 and the control limits were 75 to 124.
7	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte Tetrachloroethene. The % Recovery was reported as 73.8 and the control limits were 74 to 129.
8	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte Vinyl Chloride. The % Recovery was reported as 12.5 and the control limits were 58 to 137.
9	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte Vinyl Chloride. The % Recovery was reported as -20.1 and the control limits were 58 to 137.

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT2_062024	Collected	06/20/2024 06:40
Lab Sample ID	3366026001	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,2-Dichloroethane	0.51J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	6.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	1.4	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT4_062024	Collected	06/20/2024 06:54
Lab Sample ID	3366026002	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,2-Trichloroethane	0.36J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	50.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
Benzene	0.60J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Carbon Tetrachloride	3.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	679	ug/L	20.0	15.0	6.6	SW846 8260D	#
Tetrachloroethene	0.47J	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	3.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	1560	ug/L	20.0	15.0	6.6	SW846 8260D	#
Vinyl Chloride	2.9	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Detected Results Summary

Client Sample ID	ICT7_062024	Collected	06/20/2024 07:03
Lab Sample ID	3366026003	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Trichloroethene	0.86J	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT8_062024	Collected	06/20/2024 07:12
Lab Sample ID	3366026004	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,2-Trichloroethane	0.57J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	67.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	20.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Benzene	1.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Carbon Tetrachloride	1.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	3.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	1820	ug/L	50.0	37.5	16.5	SW846 8260D	#
Methylene Chloride	1220	ug/L	50.0	37.5	16.5	SW846 8260D	#
Tetrachloroethene	51.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	0.80J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	1400	ug/L	50.0	37.5	16.5	SW846 8260D	#
Vinyl Chloride	106	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Detected Results Summary

Client Sample ID	ICT11_062024	Collected	06/20/2024 07:28
Lab Sample ID	3366026005	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1-Dichloroethene	0.66J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Carbon Tetrachloride	0.68J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	1.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	25.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	0.42J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	218	ug/L	5.0	3.8	1.7	SW846 8260D	#
Vinyl Chloride	0.47J	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12A_062024	Collected	06/20/2024 07:38
Lab Sample ID	3366026006	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1-Dichloroethene	1.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	2.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	53.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	0.64J	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	0.51J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	496	ug/L	10.0	7.5	3.3	SW846 8260D	#
Vinyl Chloride	0.36J	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12B_062024	Collected	06/20/2024 07:45
Lab Sample ID	3366026007	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Benzene	1.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Carbon Tetrachloride	34.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	35.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloromethane	0.33J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	105	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	2.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	0.80J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	5290	ug/L	100	75.0	33.0	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12C_062024	Collected	06/20/2024 07:52
Lab Sample ID	3366026008	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	183	ug/L	20.0	15.0	6.6	SW846 8260D	#
Trichloroethene	1030	ug/L	20.0	15.0	6.6	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12D_062024	Collected	06/20/2024 08:00
Lab Sample ID	3366026009	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
1,1,2-Trichloroethane	2.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethane	22.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	156	ug/L	100	75.0	33.0	SW846 8260D	#
1,2,4-Trimethylbenzene	0.95J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichlorobenzene	0.53J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	158	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,3,5-Trimethylbenzene	0.40J	ug/L	1.0	0.75	0.33	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	2.5J	ug/L	5.0	3.8	1.6	SW846 8260D	#
Chloroform	15.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	21900	ug/L	500	375	165	SW846 8260D	#
Ethylbenzene	12.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
Isopropylbenzene	0.36J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Methylene Chloride	1670	ug/L	100	75.0	33.0	SW846 8260D	#
mp-Xylene	2.3	ug/L	2.0	1.5	0.66	SW846 8260D	#
Naphthalene	0.93J	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	1.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	0.78J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	11.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	8.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	18.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	10900	ug/L	100	75.0	33.0	SW846 8260D	#
Vinyl Chloride	364	ug/L	100	75.0	33.0	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12D_062024_a	Collected	06/20/2024 08:00
Lab Sample ID	3366026010	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,1-Trichloroethane	1.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1,2-Trichloroethane	2.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethane	19.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2,4-Trimethylbenzene	0.99J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichlorobenzene	0.46J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	143	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,3,5-Trimethylbenzene	0.41J	ug/L	1.0	0.75	0.33	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	2.2J	ug/L	5.0	3.8	1.6	SW846 8260D	#
Acetone	12.5	ug/L	5.0	3.8	1.6	SW846 8260D	#
Chloroform	14.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	21700	ug/L	500	375	165	SW846 8260D	#
Ethylbenzene	10.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
Isopropylbenzene	0.37J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Methylene Chloride	2170	ug/L	100	75.0	33.0	SW846 8260D	#
mp-Xylene	2.2	ug/L	2.0	1.5	0.66	SW846 8260D	#
Naphthalene	0.89J	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	1.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	0.66J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	9.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	7.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	17.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	11600	ug/L	100	75.0	33.0	SW846 8260D	#
Vinyl Chloride	534	ug/L	100	75.0	33.0	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT12E_062024	Collected	06/20/2024 08:10
Lab Sample ID	3366026011	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,1-Trichloroethane	5.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1,2-Trichloroethane	4.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethane	45.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	340	ug/L	100	75.0	33.0	SW846 8260D	#
1,2,4-Trimethylbenzene	1.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichlorobenzene	0.81J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,3,5-Trimethylbenzene	0.57J	ug/L	1.0	0.75	0.33	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	1.9J	ug/L	5.0	3.8	1.6	SW846 8260D	#
Acetone	32.1	ug/L	5.0	3.8	1.6	SW846 8260D	#
Benzene	3.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	25.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	17900	ug/L	500	375	165	SW846 8260D	#
Ethylbenzene	2.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Isopropylbenzene	0.46J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Methylene Chloride	205	ug/L	100	75.0	33.0	SW846 8260D	#
mp-Xylene	3.7	ug/L	2.0	1.5	0.66	SW846 8260D	#
Naphthalene	1.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	3.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	7.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	7.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	6.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	23.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	18200	ug/L	500	375	165	SW846 8260D	#
Vinyl Chloride	161	ug/L	100	75.0	33.0	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13A_062024	Collected	06/20/2024 08:18
Lab Sample ID	3366026012	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1-Dichloroethene	7.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2-Dichloroethane	8.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloromethane	0.38J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	38.1	ug/L	5.0	3.8	1.7	SW846 8260D	#
Methylene Chloride	1.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
Styrene	0.65J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	2.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	1.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	375	ug/L	5.0	3.8	1.7	SW846 8260D	#
Vinyl Chloride	1.3	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13B_062024	Collected	06/20/2024 08:25
Lab Sample ID	3366026013	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	1.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	8.4	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13C_062024	Collected	06/20/2024 08:34
Lab Sample ID	3366026014	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	7.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	14.6	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13D_062024	Collected	06/20/2024 08:43
Lab Sample ID	3366026015	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	21.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	27.7	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13E_062024	Collected	06/20/2024 08:55
Lab Sample ID	3366026016	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	4.9	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	8.1	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Detected Results Summary

Client Sample ID	ICT13F_062024	Collected	06/20/2024 09:02
Lab Sample ID	3366026017	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	2.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	3.1	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Detected Results Summary

Client Sample ID	ICT14A_062024	Collected	06/20/2024 09:14
Lab Sample ID	3366026018	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
cis-1,2-Dichloroethene	20.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	14.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Vinyl Chloride	0.84J	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Detected Results Summary

Client Sample ID	ICT14B_062024	Collected	06/20/2024 09:22
Lab Sample ID	3366026019	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1-Dichloroethane	0.71J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	3.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	0.38J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	13.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	0.50J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	86.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
Vinyl Chloride	2.6	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Workorder 3366026

Detected Results Summary

Client Sample ID	ICT14C_062024	Collected	06/20/2024 09:27
Lab Sample ID	3366026020	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,2,2-Tetrachloroethane	0.72J	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1,2-Trichloroethane	3.3	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1-Dichloroethene	190	ug/L	1.0	0.75	0.33	SW846 8260D	#
Chloroform	22.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	7230	ug/L	100	75.0	33.0	SW846 8260D	#
Isopropylbenzene	0.36J	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	0.79J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	10.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	0.89J	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	43.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	6000	ug/L	100	75.0	33.0	SW846 8260D	#
Vinyl Chloride	768	ug/L	100	75.0	33.0	SW846 8260D	#

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Workorder 3366026

Detected Results Summary

Client Sample ID	ICT14D_062024	Collected	06/20/2024 09:35
Lab Sample ID	3366026021	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,1,2-Trichloroethane	5.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,2,4-Trimethylbenzene	1.1	ug/L	1.0	0.75	0.33	SW846 8260D	#
1,3,5-Trimethylbenzene	0.41J	ug/L	1.0	0.75	0.33	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	3.3J	ug/L	5.0	3.8	1.6	SW846 8260D	#
Chloroform	20.6	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	9530	ug/L	100	75.0	33.0	SW846 8260D	#
Ethylbenzene	12.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
Isopropylbenzene	0.50J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Methylene Chloride	6000	ug/L	100	75.0	33.0	SW846 8260D	#
mp-Xylene	3.8	ug/L	2.0	1.5	0.66	SW846 8260D	#
Naphthalene	1.4	ug/L	1.0	0.75	0.33	SW846 8260D	#
o-Xylene	2.5	ug/L	1.0	0.75	0.33	SW846 8260D	#
Tetrachloroethene	20.8	ug/L	1.0	0.75	0.33	SW846 8260D	#
Toluene	9.7	ug/L	1.0	0.75	0.33	SW846 8260D	#
trans-1,2-Dichloroethene	105	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	2190	ug/L	100	75.0	33.0	SW846 8260D	#
Vinyl Chloride	3060	ug/L	100	75.0	33.0	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT14E_062024	Collected	06/20/2024 09:42
Lab Sample ID	3366026022	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Bromomethane	2.7J	ug/L	5.0	3.8	1.7	SW846 8260D	#
cis-1,2-Dichloroethene	7.5	ug/L	5.0	3.8	1.7	SW846 8260D	#
Trichloroethene	448	ug/L	5.0	3.8	1.7	SW846 8260D	#
Vinyl Chloride	2.2J	ug/L	5.0	3.8	1.7	SW846 8260D	#

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Workorder 3366026

Detected Results Summary

Client Sample ID	CG-041923-962	Collected	06/20/2024 00:00
Lab Sample ID	3366026023	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Methylene Chloride	0.46J	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichlorofluoromethane	2.3	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Detected Results Summary

Client Sample ID	ICT13D_062024_a	Collected	06/20/2024 08:43
Lab Sample ID	3366026024	Lab Receipt	06/26/2024 09:36

Compound	Result	Units	LOQ	LOD	DL	Method	Flag
VOLATILE ORGANICS							
Chloromethane	0.41J	ug/L	1.0	0.75	0.33	SW846 8260D	#
cis-1,2-Dichloroethene	10.2	ug/L	1.0	0.75	0.33	SW846 8260D	#
Trichloroethene	16.4	ug/L	1.0	0.75	0.33	SW846 8260D	#

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT2_062024	Collected	06/20/2024 06:40
Lab Sample ID	3366026001	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dichloroethane	0.51J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:27	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
cis-1,2-Dichloroethene	6.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 13:27	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 13:27	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT2_062024	Collected	06/20/2024 06:40
Lab Sample ID	3366026001	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Trichloroethene	1.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:27	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	107%	81 – 118	06/28/2024 13:27	
4-Bromofluorobenzene	460-00-4	92.6%	85 – 114	06/28/2024 13:27	
Dibromofluoromethane	1868-53-7	97.1%	80 – 119	06/28/2024 13:27	
Toluene-d8	2037-26-5	102%	89 – 112	06/28/2024 13:27	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT4_062024	Collected	06/20/2024 06:54
Lab Sample ID	3366026002	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1,2-Trichloroethane	0.36J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dichloroethane	50.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 13:47	TMP	A
Benzene	0.60J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Carbon Tetrachloride	3.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
cis-1,2-Dichloroethene	679		ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 13:17	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 13:47	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 13:47	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT4_062024	Collected	06/20/2024 06:54
Lab Sample ID	3366026002	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Tetrachloroethene	0.47J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
trans-1,2-Dichloroethene	3.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Trichloroethene	1560		ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 13:17	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A
Vinyl Chloride	2.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 13:47	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.6%	81 – 118	07/01/2024 13:17	
1,2-Dichloroethane-d4	17060-07-0	111%	81 – 118	06/28/2024 13:47	
4-Bromofluorobenzene	460-00-4	97.7%	85 – 114	07/01/2024 13:17	
4-Bromofluorobenzene	460-00-4	100%	85 – 114	06/28/2024 13:47	
Dibromofluoromethane	1868-53-7	93.2%	80 – 119	07/01/2024 13:17	
Dibromofluoromethane	1868-53-7	90.8%	80 – 119	06/28/2024 13:47	
Toluene-d8	2037-26-5	100%	89 – 112	07/01/2024 13:17	
Toluene-d8	2037-26-5	98.9%	89 – 112	06/28/2024 13:47	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT7_062024	Collected	06/20/2024 07:03
Lab Sample ID	3366026003	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 11:35	TMP	B
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
cis-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 11:35	TMP	B
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 11:35	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT7_062024	Collected	06/20/2024 07:03
Lab Sample ID	3366026003	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Trichloroethene	0.86J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 11:35	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.2%	81 – 118	07/01/2024 11:35	
4-Bromofluorobenzene	460-00-4	91%	85 – 114	07/01/2024 11:35	
Dibromofluoromethane	1868-53-7	91.9%	80 – 119	07/01/2024 11:35	
Toluene-d8	2037-26-5	99%	89 – 112	07/01/2024 11:35	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT8_062024	Collected	06/20/2024 07:12
Lab Sample ID	3366026004	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1,2-Trichloroethane	0.57J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1-Dichloroethene	67.9	3,4	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dichloroethane	20.7	1,2	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 13:33	TMP	A
Benzene	1.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Carbon Tetrachloride	1.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chloroform	3.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
cis-1,2-Dichloroethene	1820		ug/L	50.0	37.5	16.5	SW846 8260D	50	07/03/2024 13:30	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/02/2024 13:33	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Methylene Chloride	1220		ug/L	50.0	37.5	16.5	SW846 8260D	50	07/03/2024 13:30	TMP	C
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/02/2024 13:33	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT8_062024	Collected	06/20/2024 07:12
Lab Sample ID	3366026004	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Tetrachloroethene	51.4	7	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Toluene	0.80J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
trans-1,2-Dichloroethene	0.75U	U,5,6	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Trichloroethene	1400		ug/L	50.0	37.5	16.5	SW846 8260D	50	07/03/2024 13:30	TMP	C
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A
Vinyl Chloride	106	8,9	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 13:33	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	81 – 118	07/03/2024 13:30	
1,2-Dichloroethane-d4	17060-07-0	113%	81 – 118	07/02/2024 13:33	
4-Bromofluorobenzene	460-00-4	104%	85 – 114	07/03/2024 13:30	
4-Bromofluorobenzene	460-00-4	103%	85 – 114	07/02/2024 13:33	
Dibromofluoromethane	1868-53-7	102%	80 – 119	07/03/2024 13:30	
Dibromofluoromethane	1868-53-7	98.9%	80 – 119	07/02/2024 13:33	
Toluene-d8	2037-26-5	101%	89 – 112	07/03/2024 13:30	
Toluene-d8	2037-26-5	103%	89 – 112	07/02/2024 13:33	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT11_062024	Collected	06/20/2024 07:28
Lab Sample ID	3366026005	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1-Dichloroethene	0.66J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:28	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Carbon Tetrachloride	0.68J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chloroform	1.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
cis-1,2-Dichloroethene	25.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 14:28	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 14:28	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT11_062024	Collected	06/20/2024 07:28
Lab Sample ID	3366026005	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
trans-1,2-Dichloroethene	0.42J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Trichloroethene	218		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/01/2024 13:37	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A
Vinyl Chloride	0.47J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:28	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	81 – 118	07/01/2024 13:37	
1,2-Dichloroethane-d4	17060-07-0	107%	81 – 118	06/28/2024 14:28	
4-Bromofluorobenzene	460-00-4	102%	85 – 114	07/01/2024 13:37	
4-Bromofluorobenzene	460-00-4	108%	85 – 114	06/28/2024 14:28	
Dibromofluoromethane	1868-53-7	99.1%	80 – 119	07/01/2024 13:37	
Dibromofluoromethane	1868-53-7	96.1%	80 – 119	06/28/2024 14:28	
Toluene-d8	2037-26-5	107%	89 – 112	07/01/2024 13:37	
Toluene-d8	2037-26-5	104%	89 – 112	06/28/2024 14:28	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12A_062024	Collected	06/20/2024 07:38
Lab Sample ID	3366026006	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1-Dichloroethene	1.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 14:48	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chloroform	2.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
cis-1,2-Dichloroethene	53.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 14:48	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 14:48	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12A_062024	Collected	06/20/2024 07:38
Lab Sample ID	3366026006	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Styrene	0.64J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
trans-1,2-Dichloroethene	0.51J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Trichloroethene	496		ug/L	10.0	7.5	3.3	SW846 8260D	10	07/01/2024 13:58	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A
Vinyl Chloride	0.36J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 14:48	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/01/2024 13:58	
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	06/28/2024 14:48	
4-Bromofluorobenzene	460-00-4	97.1%	85 – 114	07/01/2024 13:58	
4-Bromofluorobenzene	460-00-4	96.9%	85 – 114	06/28/2024 14:48	
Dibromofluoromethane	1868-53-7	98.9%	80 – 119	07/01/2024 13:58	
Dibromofluoromethane	1868-53-7	90.3%	80 – 119	06/28/2024 14:48	
Toluene-d8	2037-26-5	103%	89 – 112	07/01/2024 13:58	
Toluene-d8	2037-26-5	98.4%	89 – 112	06/28/2024 14:48	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12B_062024	Collected	06/20/2024 07:45
Lab Sample ID	3366026007	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 15:09	TMP	A
Benzene	1.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Carbon Tetrachloride	34.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chloroform	35.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Chloromethane	0.33J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
cis-1,2-Dichloroethene	105		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 15:09	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 15:09	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12B_062024	Collected	06/20/2024 07:45
Lab Sample ID	3366026007	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Tetrachloroethene	2.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
trans-1,2-Dichloroethene	0.80J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Trichloroethene	5290		ug/L	100	75.0	33.0	SW846 8260D	100	07/01/2024 14:18	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 15:09	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	100%	81 – 118	07/01/2024 14:18	
1,2-Dichloroethane-d4	17060-07-0	114%	81 – 118	06/28/2024 15:09	
4-Bromofluorobenzene	460-00-4	99.3%	85 – 114	07/01/2024 14:18	
4-Bromofluorobenzene	460-00-4	97.9%	85 – 114	06/28/2024 15:09	
Dibromofluoromethane	1868-53-7	92.8%	80 – 119	07/01/2024 14:18	
Dibromofluoromethane	1868-53-7	102%	80 – 119	06/28/2024 15:09	
Toluene-d8	2037-26-5	101%	89 – 112	07/01/2024 14:18	
Toluene-d8	2037-26-5	103%	89 – 112	06/28/2024 15:09	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12C_062024	Collected	06/20/2024 07:52
Lab Sample ID	3366026008	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1,1-Trichloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1,2,2-Tetrachloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1,2-Trichloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1-Dichloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1-Dichloroethene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,1-Dichloropropene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2,3-Trichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2,3-Trichloropropane	50.0U	U	ug/L	100	50.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2,4-Trichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2,4-Trimethylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dibromo-3-chloropropane	50.0U	U	ug/L	100	50.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dibromoethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dichloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,2-Dichloropropane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,3,5-Trimethylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,3-Dichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,3-Dichloropropane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
1,4-Dichlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
2,2-Dichloropropane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
2-Butanone	75.0U	U	ug/L	100	75.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
2-Hexanone	75.0U	U	ug/L	100	75.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
4-Methyl-2-Pentanone(MIBK)	75.0U	U	ug/L	100	75.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
Acetone	75.0U	U	ug/L	100	75.0	32.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
Benzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromobenzene	15.0U	U	ug/L	20.0	15.0	4.0	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromochloromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromodichloromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromoform	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Bromomethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Carbon Disulfide	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Carbon Tetrachloride	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chlorobenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chlorodibromomethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chloroethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chloroform	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Chloromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
cis-1,2-Dichloroethene	183		ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
cis-1,3-Dichloropropene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Dibromomethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Dichlorodifluoromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Ethylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Hexachlorobutadiene	75.0U	U	ug/L	100	75.0	8.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Isopropylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Methylene Chloride	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
mp-Xylene	30.0U	U	ug/L	40.0	30.0	13.2	SW846 8260D	20	07/01/2024 14:39	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12C_062024	Collected	06/20/2024 07:52
Lab Sample ID	3366026008	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
n-Butylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
n-Propylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
o-Chlorotoluene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
o-Xylene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
p-Chlorotoluene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
p-Isopropyltoluene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
sec-Butylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Styrene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
tert-Butylbenzene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Tetrachloroethene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Toluene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
trans-1,2-Dichloroethene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
trans-1,3-Dichloropropene	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Trichloroethene	1030		ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Trichlorofluoromethane	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B
Vinyl Chloride	15.0U	U	ug/L	20.0	15.0	6.6	SW846 8260D	20	07/01/2024 14:39	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.9%	81 – 118	07/01/2024 14:39	
4-Bromofluorobenzene	460-00-4	97.6%	85 – 114	07/01/2024 14:39	
Dibromofluoromethane	1868-53-7	94.7%	80 – 119	07/01/2024 14:39	
Toluene-d8	2037-26-5	102%	89 – 112	07/01/2024 14:39	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12D_062024	Collected	06/20/2024 08:00
Lab Sample ID	3366026009	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1,2-Trichloroethane	2.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1-Dichloroethane	22.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,1-Dichloroethene	156		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 13:12	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2,4-Trimethylbenzene	0.95J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dichlorobenzene	0.53J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dichloroethane	158		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,3,5-Trimethylbenzene	0.40J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
4-Methyl-2-Pentanone(MIBK)	2.5J	J	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 14:59	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chloroform	15.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
cis-1,2-Dichloroethene	21900		ug/L	500	375	165	SW846 8260D	500	07/03/2024 14:29	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Ethylbenzene	12.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 14:59	TMP	A
Isopropylbenzene	0.36J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Methylene Chloride	1670		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 13:12	TMP	B
mp-Xylene	2.3		ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 14:59	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12D_062024	Collected	06/20/2024 08:00
Lab Sample ID	3366026009	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.93J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
o-Xylene	1.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Styrene	0.78J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Tetrachloroethene	11.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Toluene	8.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
trans-1,2-Dichloroethene	18.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Trichloroethene	10900		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 13:12	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 14:59	TMP	A
Vinyl Chloride	364		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 13:12	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	81 – 118	07/02/2024 13:12	
1,2-Dichloroethane-d4	17060-07-0	99.5%	81 – 118	07/03/2024 14:29	
1,2-Dichloroethane-d4	17060-07-0	97.6%	81 – 118	07/01/2024 14:59	
4-Bromofluorobenzene	460-00-4	98.6%	85 – 114	07/02/2024 13:12	
4-Bromofluorobenzene	460-00-4	104%	85 – 114	07/03/2024 14:29	
4-Bromofluorobenzene	460-00-4	102%	85 – 114	07/01/2024 14:59	
Dibromofluoromethane	1868-53-7	96.4%	80 – 119	07/02/2024 13:12	
Dibromofluoromethane	1868-53-7	98.3%	80 – 119	07/03/2024 14:29	
Dibromofluoromethane	1868-53-7	94.3%	80 – 119	07/01/2024 14:59	
Toluene-d8	2037-26-5	102%	89 – 112	07/02/2024 13:12	
Toluene-d8	2037-26-5	100%	89 – 112	07/03/2024 14:29	
Toluene-d8	2037-26-5	101%	89 – 112	07/01/2024 14:59	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12D_062024_a	Collected	06/20/2024 08:00
Lab Sample ID	3366026010	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1,1-Trichloroethane	1.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1,2-Trichloroethane	2.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1-Dichloroethane	19.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2,4-Trimethylbenzene	0.99J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dichlorobenzene	0.46J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dichloroethane	143		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,3,5-Trimethylbenzene	0.41J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
4-Methyl-2-Pentanone(MIBK)	2.2J	J	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
Acetone	12.5		ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:19	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chloroform	14.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
cis-1,2-Dichloroethene	21700		ug/L	500	375	165	SW846 8260D	500	07/03/2024 14:49	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Ethylbenzene	10.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 15:19	TMP	A
Isopropylbenzene	0.37J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Methylene Chloride	2170		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:52	TMP	B
mp-Xylene	2.2		ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 15:19	TMP	A
Naphthalene	0.89J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12D_062024_a	Collected	06/20/2024 08:00
Lab Sample ID	3366026010	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
o-Xylene	1.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Styrene	0.66J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Tetrachloroethene	9.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Toluene	7.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
trans-1,2-Dichloroethene	17.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Trichloroethene	11600		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:52	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:19	TMP	A
Vinyl Chloride	534		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:52	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	113%	81 – 118	07/02/2024 12:52	
1,2-Dichloroethane-d4	17060-07-0	97.7%	81 – 118	07/03/2024 14:49	
1,2-Dichloroethane-d4	17060-07-0	98%	81 – 118	07/01/2024 15:19	
4-Bromofluorobenzene	460-00-4	94.5%	85 – 114	07/02/2024 12:52	
4-Bromofluorobenzene	460-00-4	97.7%	85 – 114	07/03/2024 14:49	
4-Bromofluorobenzene	460-00-4	98.7%	85 – 114	07/01/2024 15:19	
Dibromofluoromethane	1868-53-7	100%	80 – 119	07/02/2024 12:52	
Dibromofluoromethane	1868-53-7	97.5%	80 – 119	07/03/2024 14:49	
Dibromofluoromethane	1868-53-7	91.2%	80 – 119	07/01/2024 15:19	
Toluene-d8	2037-26-5	103%	89 – 112	07/02/2024 12:52	
Toluene-d8	2037-26-5	100%	89 – 112	07/03/2024 14:49	
Toluene-d8	2037-26-5	97.6%	89 – 112	07/01/2024 15:19	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12E_062024	Collected	06/20/2024 08:10
Lab Sample ID	3366026011	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1,1-Trichloroethane	5.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1,2-Trichloroethane	4.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1-Dichloroethane	45.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,1-Dichloroethene	340		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:31	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2,4-Trimethylbenzene	1.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dichlorobenzene	0.81J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,3,5-Trimethylbenzene	0.57J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
4-Methyl-2-Pentanone(MIBK)	1.9J	J	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
Acetone	32.1		ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 15:40	TMP	A
Benzene	3.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chloroform	25.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
cis-1,2-Dichloroethene	17900		ug/L	500	375	165	SW846 8260D	500	07/03/2024 15:09	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Ethylbenzene	2.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 15:40	TMP	A
Isopropylbenzene	0.46J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Methylene Chloride	205		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:31	TMP	B
mp-Xylene	3.7		ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 15:40	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT12E_062024	Collected	06/20/2024 08:10
Lab Sample ID	3366026011	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	1.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
o-Xylene	3.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Styrene	7.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Tetrachloroethene	7.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Toluene	6.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
trans-1,2-Dichloroethene	23.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Trichloroethene	18200		ug/L	500	375	165	SW846 8260D	500	07/03/2024 15:09	TMP	C
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 15:40	TMP	A
Vinyl Chloride	161		ug/L	100	75.0	33.0	SW846 8260D	100	07/02/2024 12:31	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	108%	81 – 118	07/02/2024 12:31	
1,2-Dichloroethane-d4	17060-07-0	99.2%	81 – 118	07/03/2024 15:09	
1,2-Dichloroethane-d4	17060-07-0	107%	81 – 118	07/01/2024 15:40	
4-Bromofluorobenzene	460-00-4	102%	85 – 114	07/02/2024 12:31	
4-Bromofluorobenzene	460-00-4	94.1%	85 – 114	07/03/2024 15:09	
4-Bromofluorobenzene	460-00-4	98.9%	85 – 114	07/01/2024 15:40	
Dibromofluoromethane	1868-53-7	97.7%	80 – 119	07/02/2024 12:31	
Dibromofluoromethane	1868-53-7	95.2%	80 – 119	07/03/2024 15:09	
Dibromofluoromethane	1868-53-7	93.4%	80 – 119	07/01/2024 15:40	
Toluene-d8	2037-26-5	102%	89 – 112	07/02/2024 12:31	
Toluene-d8	2037-26-5	96.4%	89 – 112	07/03/2024 15:09	
Toluene-d8	2037-26-5	98.7%	89 – 112	07/01/2024 15:40	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13A_062024	Collected	06/20/2024 08:18
Lab Sample ID	3366026012	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1-Dichloroethene	7.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dichloroethane	8.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:00	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Chloromethane	0.38J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
cis-1,2-Dichloroethene	38.1		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 13:10	TMP	C
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 16:00	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Methylene Chloride	1.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 16:00	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13A_062024	Collected	06/20/2024 08:18
Lab Sample ID	3366026012	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Styrene	0.65J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Tetrachloroethene	2.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
trans-1,2-Dichloroethene	1.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Trichloroethene	375		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 13:10	TMP	C
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A
Vinyl Chloride	1.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:00	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/01/2024 16:00	
1,2-Dichloroethane-d4	17060-07-0	97.4%	81 – 118	07/03/2024 13:10	
4-Bromofluorobenzene	460-00-4	101%	85 – 114	07/01/2024 16:00	
4-Bromofluorobenzene	460-00-4	92.7%	85 – 114	07/03/2024 13:10	
Dibromofluoromethane	1868-53-7	94%	80 – 119	07/01/2024 16:00	
Dibromofluoromethane	1868-53-7	93.5%	80 – 119	07/03/2024 13:10	
Toluene-d8	2037-26-5	99.6%	89 – 112	07/01/2024 16:00	
Toluene-d8	2037-26-5	97.4%	89 – 112	07/03/2024 13:10	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13B_062024	Collected	06/20/2024 08:25
Lab Sample ID	3366026013	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 11:50	TMP	B
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
cis-1,2-Dichloroethene	1.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/02/2024 11:50	TMP	B
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/02/2024 11:50	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13B_062024	Collected	06/20/2024 08:25
Lab Sample ID	3366026013	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Trichloroethene	8.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 11:50	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	109%	81 – 118	07/02/2024 11:50	
4-Bromofluorobenzene	460-00-4	98.9%	85 – 114	07/02/2024 11:50	
Dibromofluoromethane	1868-53-7	97.6%	80 – 119	07/02/2024 11:50	
Toluene-d8	2037-26-5	104%	89 – 112	07/02/2024 11:50	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13C_062024	Collected	06/20/2024 08:34
Lab Sample ID	3366026014	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 16:41	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
cis-1,2-Dichloroethene	7.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 16:41	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 16:41	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13C_062024	Collected	06/20/2024 08:34
Lab Sample ID	3366026014	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Trichloroethene	14.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 16:41	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	81 – 118	07/01/2024 16:41	
4-Bromofluorobenzene	460-00-4	101%	85 – 114	07/01/2024 16:41	
Dibromofluoromethane	1868-53-7	92.2%	80 – 119	07/01/2024 16:41	
Toluene-d8	2037-26-5	103%	89 – 112	07/01/2024 16:41	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13D_062024	Collected	06/20/2024 08:43
Lab Sample ID	3366026015	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:01	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
cis-1,2-Dichloroethene	21.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 17:01	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 17:01	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13D_062024	Collected	06/20/2024 08:43
Lab Sample ID	3366026015	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Trichloroethene	27.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:01	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	81 – 118	07/01/2024 17:01	
4-Bromofluorobenzene	460-00-4	93.9%	85 – 114	07/01/2024 17:01	
Dibromofluoromethane	1868-53-7	94.9%	80 – 119	07/01/2024 17:01	
Toluene-d8	2037-26-5	99.2%	89 – 112	07/01/2024 17:01	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13E_062024	Collected	06/20/2024 08:55
Lab Sample ID	3366026016	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:22	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
cis-1,2-Dichloroethene	4.9		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 17:22	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 17:22	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13E_062024	Collected	06/20/2024 08:55
Lab Sample ID	3366026016	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Trichloroethene	8.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:22	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/01/2024 17:22	
4-Bromofluorobenzene	460-00-4	98.2%	85 – 114	07/01/2024 17:22	
Dibromofluoromethane	1868-53-7	92%	80 – 119	07/01/2024 17:22	
Toluene-d8	2037-26-5	101%	89 – 112	07/01/2024 17:22	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13F_062024	Collected	06/20/2024 09:02
Lab Sample ID	3366026017	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 17:42	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
cis-1,2-Dichloroethene	2.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 17:42	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 17:42	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13F_062024	Collected	06/20/2024 09:02
Lab Sample ID	3366026017	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Trichloroethene	3.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 17:42	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/01/2024 17:42	
4-Bromofluorobenzene	460-00-4	100%	85 – 114	07/01/2024 17:42	
Dibromofluoromethane	1868-53-7	93.8%	80 – 119	07/01/2024 17:42	
Toluene-d8	2037-26-5	102%	89 – 112	07/01/2024 17:42	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14A_062024	Collected	06/20/2024 09:14
Lab Sample ID	3366026018	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/01/2024 18:03	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
cis-1,2-Dichloroethene	20.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/01/2024 18:03	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/01/2024 18:03	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14A_062024	Collected	06/20/2024 09:14
Lab Sample ID	3366026018	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Trichloroethene	14.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A
Vinyl Chloride	0.84J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/01/2024 18:03	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	101%	81 – 118	07/01/2024 18:03	
4-Bromofluorobenzene	460-00-4	92.8%	85 – 114	07/01/2024 18:03	
Dibromofluoromethane	1868-53-7	92.1%	80 – 119	07/01/2024 18:03	
Toluene-d8	2037-26-5	98.6%	89 – 112	07/01/2024 18:03	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14B_062024	Collected	06/20/2024 09:22
Lab Sample ID	3366026019	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1-Dichloroethane	0.71J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1-Dichloroethene	3.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:10	TMP	B
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chloroform	0.38J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
cis-1,2-Dichloroethene	13.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/03/2024 12:10	TMP	B
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/03/2024 12:10	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14B_062024	Collected	06/20/2024 09:22
Lab Sample ID	3366026019	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
trans-1,2-Dichloroethene	0.50J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Trichloroethene	86.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B
Vinyl Chloride	2.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:10	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	101%	81 – 118	07/03/2024 12:10	
4-Bromofluorobenzene	460-00-4	94.6%	85 – 114	07/03/2024 12:10	
Dibromofluoromethane	1868-53-7	98.8%	80 – 119	07/03/2024 12:10	
Toluene-d8	2037-26-5	96.7%	89 – 112	07/03/2024 12:10	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14C_062024	Collected	06/20/2024 09:27
Lab Sample ID	3366026020	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1,2,2-Tetrachloroethane	0.72J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1,2-Trichloroethane	3.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1-Dichloroethene	190		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:13	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chloroform	22.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
cis-1,2-Dichloroethene	7230		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 13:50	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/02/2024 14:13	TMP	A
Isopropylbenzene	0.36J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/02/2024 14:13	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14C_062024	Collected	06/20/2024 09:27
Lab Sample ID	3366026020	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
o-Xylene	0.79J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Tetrachloroethene	10.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Toluene	0.89J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
trans-1,2-Dichloroethene	43.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Trichloroethene	6000		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 13:50	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:13	TMP	A
Vinyl Chloride	768		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 13:50	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	81 – 118	07/03/2024 13:50	
1,2-Dichloroethane-d4	17060-07-0	111%	81 – 118	07/02/2024 14:13	
4-Bromofluorobenzene	460-00-4	105%	85 – 114	07/03/2024 13:50	
4-Bromofluorobenzene	460-00-4	101%	85 – 114	07/02/2024 14:13	
Dibromofluoromethane	1868-53-7	97.8%	80 – 119	07/03/2024 13:50	
Dibromofluoromethane	1868-53-7	98.2%	80 – 119	07/02/2024 14:13	
Toluene-d8	2037-26-5	103%	89 – 112	07/03/2024 13:50	
Toluene-d8	2037-26-5	101%	89 – 112	07/02/2024 14:13	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14D_062024	Collected	06/20/2024 09:35
Lab Sample ID	3366026021	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1,2,2-Tetrachloroethane	5.0		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1,2-Trichloroethane	5.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,1-Dichloroethene	75.0U	U	ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2,4-Trimethylbenzene	1.1		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,3,5-Trimethylbenzene	0.41J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.3J	J	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/02/2024 14:34	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chloroform	20.6		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
cis-1,2-Dichloroethene	9530		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Ethylbenzene	12.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/02/2024 14:34	TMP	A
Isopropylbenzene	0.50J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Methylene Chloride	6000		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B
mp-Xylene	3.8		ug/L	2.0	1.5	0.66	SW846 8260D	1	07/02/2024 14:34	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14D_062024	Collected	06/20/2024 09:35
Lab Sample ID	3366026021	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	1.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
o-Xylene	2.5		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Tetrachloroethene	20.8		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Toluene	9.7		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
trans-1,2-Dichloroethene	105		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Trichloroethene	2190		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/02/2024 14:34	TMP	A
Vinyl Chloride	3060		ug/L	100	75.0	33.0	SW846 8260D	100	07/03/2024 14:09	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	93.9%	81 – 118	07/03/2024 14:09	
1,2-Dichloroethane-d4	17060-07-0	115%	81 – 118	07/02/2024 14:34	
4-Bromofluorobenzene	460-00-4	89.3%	85 – 114	07/03/2024 14:09	
4-Bromofluorobenzene	460-00-4	99.9%	85 – 114	07/02/2024 14:34	
Dibromofluoromethane	1868-53-7	91.7%	80 – 119	07/03/2024 14:09	
Dibromofluoromethane	1868-53-7	103%	80 – 119	07/02/2024 14:34	
Toluene-d8	2037-26-5	91.6%	89 – 112	07/03/2024 14:09	
Toluene-d8	2037-26-5	106%	89 – 112	07/02/2024 14:34	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14E_062024	Collected	06/20/2024 09:42
Lab Sample ID	3366026022	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1,1-Trichloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1,2,2-Tetrachloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1,2-Trichloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1-Dichloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1-Dichloroethene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,1-Dichloropropene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2,3-Trichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2,3-Trichloropropane	12.5U	U	ug/L	25.0	12.5	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2,4-Trichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2,4-Trimethylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dibromo-3-chloropropane	12.5U	U	ug/L	25.0	12.5	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dibromoethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dichloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,2-Dichloropropane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,3,5-Trimethylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,3-Dichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,3-Dichloropropane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
1,4-Dichlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
2,2-Dichloropropane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
2-Butanone	18.8U	U	ug/L	25.0	18.8	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
2-Hexanone	18.8U	U	ug/L	25.0	18.8	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
4-Methyl-2-Pentanone(MIBK)	18.8U	U	ug/L	25.0	18.8	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
Acetone	18.8U	U	ug/L	25.0	18.8	8.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
Benzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromobenzene	3.8U	U	ug/L	5.0	3.8	1.0	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromochloromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromodichloromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromoform	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Bromomethane	2.7J	J	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Carbon Disulfide	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Carbon Tetrachloride	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chlorobenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chlorodibromomethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chloroethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chloroform	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Chloromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
cis-1,2-Dichloroethene	7.5		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
cis-1,3-Dichloropropene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Dibromomethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Dichlorodifluoromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Ethylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Hexachlorobutadiene	18.8U	U	ug/L	25.0	18.8	2.2	SW846 8260D	5	07/03/2024 12:50	TMP	B
Isopropylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Methylene Chloride	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
mp-Xylene	7.5U	U	ug/L	10.0	7.5	3.3	SW846 8260D	5	07/03/2024 12:50	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT14E_062024	Collected	06/20/2024 09:42
Lab Sample ID	3366026022	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
n-Butylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
n-Propylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
o-Chlorotoluene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
o-Xylene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
p-Chlorotoluene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
p-Isopropyltoluene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
sec-Butylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Styrene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
tert-Butylbenzene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Tetrachloroethene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Toluene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
trans-1,2-Dichloroethene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
trans-1,3-Dichloropropene	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Trichloroethene	448		ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Trichlorofluoromethane	3.8U	U	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B
Vinyl Chloride	2.2J	J	ug/L	5.0	3.8	1.7	SW846 8260D	5	07/03/2024 12:50	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	97.7%	81 – 118	07/03/2024 12:50	
4-Bromofluorobenzene	460-00-4	104%	85 – 114	07/03/2024 12:50	
Dibromofluoromethane	1868-53-7	97.6%	80 – 119	07/03/2024 12:50	
Toluene-d8	2037-26-5	99.4%	89 – 112	07/03/2024 12:50	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	CG-041923-962	Collected	06/20/2024 00:00
Lab Sample ID	3366026023	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	06/28/2024 12:05	TMP	A
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Chloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
cis-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	06/28/2024 12:05	TMP	A
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Methylene Chloride	0.46J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	06/28/2024 12:05	TMP	A

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	CG-041923-962	Collected	06/20/2024 00:00
Lab Sample ID	3366026023	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Trichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Trichlorofluoromethane	2.3		ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	06/28/2024 12:05	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.4%	81 – 118	06/28/2024 12:05	
4-Bromofluorobenzene	460-00-4	98.3%	85 – 114	06/28/2024 12:05	
Dibromofluoromethane	1868-53-7	90.5%	80 – 119	06/28/2024 12:05	
Toluene-d8	2037-26-5	98.7%	89 – 112	06/28/2024 12:05	

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13D_062024_a	Collected	06/20/2024 08:43
Lab Sample ID	3366026024	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1,1-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1,2,2-Tetrachloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1,2-Trichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,1-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2,3-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2,3-Trichloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2,4-Trichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2,4-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dibromo-3-chloropropane	2.5U	U	ug/L	5.0	2.5	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dibromoethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dichloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,3,5-Trimethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,3-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,3-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
1,4-Dichlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
2,2-Dichloropropane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
2-Butanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
2-Hexanone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
4-Methyl-2-Pentanone(MIBK)	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
Acetone	3.8U	U	ug/L	5.0	3.8	1.6	SW846 8260D	1	07/03/2024 12:30	TMP	B
Benzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromobenzene	0.75U	U	ug/L	1.0	0.75	0.20	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromochloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromodichloromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromoform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Bromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Carbon Disulfide	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Carbon Tetrachloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chlorobenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chlorodibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chloroethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chloroform	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Chloromethane	0.41J	J	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
cis-1,2-Dichloroethene	10.2		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
cis-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Dibromomethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Dichlorodifluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Ethylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Hexachlorobutadiene	3.8U	U	ug/L	5.0	3.8	0.43	SW846 8260D	1	07/03/2024 12:30	TMP	B
Isopropylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Methylene Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
mp-Xylene	1.5U	U	ug/L	2.0	1.5	0.66	SW846 8260D	1	07/03/2024 12:30	TMP	B

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Project AHH130|HS24061330
Workorder 3366026

Results

Client Sample ID	ICT13D_062024_a	Collected	06/20/2024 08:43
Lab Sample ID	3366026024	Lab Receipt	06/26/2024 09:36

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	LOQ	LOD	DL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
n-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
n-Propylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
o-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
o-Xylene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
p-Chlorotoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
p-Isopropyltoluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
sec-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Styrene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
tert-Butylbenzene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Tetrachloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Toluene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
trans-1,2-Dichloroethene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
trans-1,3-Dichloropropene	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Trichloroethene	16.4		ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Trichlorofluoromethane	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B
Vinyl Chloride	0.75U	U	ug/L	1.0	0.75	0.33	SW846 8260D	1	07/03/2024 12:30	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	97.7%	81 – 118	07/03/2024 12:30	
4-Bromofluorobenzene	460-00-4	104%	85 – 114	07/03/2024 12:30	
Dibromofluoromethane	1868-53-7	97.1%	80 – 119	07/03/2024 12:30	
Toluene-d8	2037-26-5	102%	89 – 112	07/03/2024 12:30	

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Project AHH130|HS24061330
Workorder 3366026

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3366026001	ICT2_062024	SW846 8260D	N/A	
3366026002	ICT4_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026003	ICT7_062024	SW846 8260D	N/A	
3366026004	ICT8_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026005	ICT11_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026006	ICT12A_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026007	ICT12B_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026008	ICT12C_062024	SW846 8260D	N/A	
3366026009	ICT12D_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026010	ICT12D_062024_a	SW846 8260D	N/A	
		SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026011	ICT12E_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026012	ICT13A_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026013	ICT13B_062024	SW846 8260D	N/A	
3366026014	ICT13C_062024	SW846 8260D	N/A	
3366026015	ICT13D_062024	SW846 8260D	N/A	
3366026016	ICT13E_062024	SW846 8260D	N/A	
3366026017	ICT13F_062024	SW846 8260D	N/A	
3366026018	ICT14A_062024	SW846 8260D	N/A	
3366026019	ICT14B_062024	SW846 8260D	N/A	
3366026020	ICT14C_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026021	ICT14D_062024	SW846 8260D	N/A	
		SW846 8260D	N/A	
3366026022	ICT14E_062024	SW846 8260D	N/A	
3366026023	CG-041923-962	SW846 8260D	N/A	
3366026024	ICT13D_062024_a	SW846 8260D	N/A	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS

QC Batch

QC Batch	1236144	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples

3366026001	3366026002	3366026005	3366026006
3366026007	3366026023		

Method Blank 3845975 (MB) Created on 06/28/2024 10:24 For QC Batch 1236144

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	0.75U	ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	0.75U	ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	0.75U	ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	0.75U	ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichlorobenzene	87-61-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichloropropane	96-18-4	BLK	2.5U	ug/L	5.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	0.75U	ug/L	1.0	U
1,2,4-Trimethylbenzene	95-63-6	BLK	0.75U	ug/L	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	2.5U	ug/L	5.0	U
1,2-Dibromoethane	106-93-4	BLK	0.75U	ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	0.75U	ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	0.75U	ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	0.75U	ug/L	1.0	U
1,3,5-Trimethylbenzene	108-67-8	BLK	0.75U	ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	0.75U	ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	0.75U	ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	0.75U	ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	0.75U	ug/L	1.0	U
2-Butanone	78-93-3	BLK	3.8U	ug/L	5.0	U
2-Hexanone	591-78-6	BLK	3.8U	ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	3.8U	ug/L	5.0	U
Acetone	67-64-1	BLK	3.8U	ug/L	5.0	U
Benzene	71-43-2	BLK	0.75U	ug/L	1.0	U
Bromobenzene	108-86-1	BLK	0.75U	ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	0.75U	ug/L	1.0	U
Bromodichloromethane	75-27-4	BLK	0.75U	ug/L	1.0	U
Bromoform	75-25-2	BLK	0.75U	ug/L	1.0	U
Bromomethane	74-83-9	BLK	0.75U	ug/L	1.0	U
Carbon Disulfide	75-15-0	BLK	0.75U	ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	0.75U	ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	0.75U	ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	0.75U	ug/L	1.0	U
Chloroethane	75-00-3	BLK	0.75U	ug/L	1.0	U
Chloroform	67-66-3	BLK	0.75U	ug/L	1.0	U
Chloromethane	74-87-3	BLK	0.75U	ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	0.75U	ug/L	1.0	U

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
cis-1,3-Dichloropropene	10061-01-5	BLK	0.75U	ug/L	1.0	U
Dibromomethane	74-95-3	BLK	0.75U	ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	0.75U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	0.75U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	3.8U	ug/L	5.0	U
Isopropylbenzene	98-82-8	BLK	0.75U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	0.75U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	1.5U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	0.75U	ug/L	1.0	U
n-Butylbenzene	104-51-8	BLK	0.75U	ug/L	1.0	U
n-Propylbenzene	103-65-1	BLK	0.75U	ug/L	1.0	U
o-Chlorotoluene	95-49-8	BLK	0.75U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	0.75U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	0.75U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	0.75U	ug/L	1.0	U
sec-Butylbenzene	135-98-8	BLK	0.75U	ug/L	1.0	U
Styrene	100-42-5	BLK	0.75U	ug/L	1.0	U
tert-Butylbenzene	98-06-6	BLK	0.75U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	0.75U	ug/L	1.0	U
Toluene	108-88-3	BLK	0.75U	ug/L	1.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	0.75U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	0.75U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	0.75U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	0.75U	ug/L	1.0	U
Vinyl Chloride	75-01-4	BLK	0.75U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	30.60	30	102	81 - 118	
4-Bromofluorobenzene	460-00-4	BLK	26.80	30	89.4	85 - 114	
Dibromofluoromethane	1868-53-7	BLK	27.60	30	92	80 - 119	
Toluene-d8	2037-26-5	BLK	30.30	30	101	89 - 112	

Lab Control Standard 3845976 (LCS) Created on 06/28/2024 10:24 For QC Batch 1236144

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	19.10		20	95.6	78 - 124		
1,1,1-Trichloroethane	71-55-6	LCS	21.50		20	108	74 - 131		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	21.60		20	108	71 - 121		
1,1,2-Trichloroethane	79-00-5	LCS	20.70		20	104	80 - 119		
1,1-Dichloroethane	75-34-3	LCS	20.80		20	104	77 - 125		
1,1-Dichloroethene	75-35-4	LCS	21.50		20	108	71 - 131		
1,1-Dichloropropene	563-58-6	LCS	20.60		20	103	79 - 125		

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,2,3-Trichlorobenzene	87-61-6	LCS	19.50		20	97.3	69 - 129		
1,2,3-Trichloropropane	96-18-4	LCS	21.20		20	106	73 - 122		
1,2,4-Trichlorobenzene	120-82-1	LCS	24.10		20	121	69 - 130		
1,2,4-Trimethylbenzene	95-63-6	LCS	20.10		20	101	76 - 124		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	18.90		20	94.7	62 - 128		
1,2-Dibromoethane	106-93-4	LCS	19		20	94.8	77 - 121		
1,2-Dichlorobenzene	95-50-1	LCS	21.90		20	110	80 - 119		
1,2-Dichloroethane	107-06-2	LCS	19.70		20	98.5	73 - 128		
1,2-Dichloropropane	78-87-5	LCS	20.80		20	104	78 - 122		
1,3,5-Trimethylbenzene	108-67-8	LCS	21.20		20	106	75 - 124		
1,3-Dichlorobenzene	541-73-1	LCS	22.10		20	110	80 - 119		
1,3-Dichloropropane	142-28-9	LCS	21.60		20	108	80 - 119		
1,4-Dichlorobenzene	106-46-7	LCS	21.80		20	109	79 - 118		
2,2-Dichloropropane	594-20-7	LCS	21.30		20	107	60 - 139		
2-Butanone	78-93-3	LCS	104		100	104	56 - 143		
2-Hexanone	591-78-6	LCS	103		100	103	57 - 139		
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	104		100	104	67 - 130		
Acetone	67-64-1	LCS	108		100	108	39 - 160		
Benzene	71-43-2	LCS	19.90		20	99.3	79 - 120		
Bromobenzene	108-86-1	LCS	20.10		20	100	80 - 120		
Bromochloromethane	74-97-5	LCS	21.20		20	106	78 - 123		
Bromodichloromethane	75-27-4	LCS	18.80		20	94.2	79 - 125		
Bromoform	75-25-2	LCS	18.10		20	90.3	66 - 130		
Bromomethane	74-83-9	LCS	20		20	100	53 - 141		
Carbon Disulfide	75-15-0	LCS	21.10		20	106	64 - 133		
Carbon Tetrachloride	56-23-5	LCS	17.40		20	87.2	72 - 136		
Chlorobenzene	108-90-7	LCS	20.60		20	103	82 - 118		
Chlorodibromomethane	124-48-1	LCS	18.10		20	90.4	74 - 126		
Chloroethane	75-00-3	LCS	20.30		20	102	60 - 138		
Chloroform	67-66-3	LCS	20.80		20	104	79 - 124		
Chloromethane	74-87-3	LCS	20.10		20	100	50 - 139		
cis-1,2-Dichloroethene	156-59-2	LCS	21.10		20	106	78 - 123		
cis-1,3-Dichloropropene	10061-01-5	LCS	18.90		20	94.3	75 - 124		
Dibromomethane	74-95-3	LCS	20.20		20	101	79 - 123		
Dichlorodifluoromethane	75-71-8	LCS	20.10		20	101	32 - 152		
Ethylbenzene	100-41-4	LCS	19.10		20	95.7	79 - 121		
Hexachlorobutadiene	87-68-3	LCS	22.70		20	113	66 - 134		
Isopropylbenzene	98-82-8	LCS	24.20		20	121	72 - 131		
Methylene Chloride	75-09-2	LCS	21.40		20	107	74 - 124		
mp-Xylene	108383/106423	LCS	38.90		40	97.2	80 - 121		
Naphthalene	91-20-3	LCS	19.90		20	99.6	61 - 128		
n-Butylbenzene	104-51-8	LCS	21.30		20	107	75 - 128		
n-Propylbenzene	103-65-1	LCS	21.10		20	106	76 - 126		
o-Chlorotoluene	95-49-8	LCS	21.40		20	107	79 - 122		
o-Xylene	95-47-6	LCS	19.30		20	96.4	78 - 122		
p-Chlorotoluene	106-43-4	LCS	22.40		20	112	78 - 122		
p-Isopropyltoluene	99-87-6	LCS	21.80		20	109	77 - 127		

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
sec-Butylbenzene	135-98-8	LCS	22.90		20	115	77 - 126		
Styrene	100-42-5	LCS	21.20		20	106	78 - 123		
tert-Butylbenzene	98-06-6	LCS	22.50		20	113	78 - 124		
Tetrachloroethene	127-18-4	LCS	20.20		20	101	74 - 129		
Toluene	108-88-3	LCS	19.60		20	98.2	80 - 121		
trans-1,2-Dichloroethene	156-60-5	LCS	21.50		20	108	75 - 124		
trans-1,3-Dichloropropene	10061-02-6	LCS	19.60		20	97.9	73 - 127		
Trichloroethene	79-01-6	LCS	20.20		20	101	79 - 123		
Trichlorofluoromethane	75-69-4	LCS	19.30		20	96.5	65 - 141		
Vinyl Chloride	75-01-4	LCS	19.70		20	98.7	58 - 137		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	30.40	30	101	81 - 118	
4-Bromofluorobenzene	460-00-4	LCS	29.20	30	97.3	85 - 114	
Dibromofluoromethane	1868-53-7	LCS	29.70	30	98.9	80 - 119	
Toluene-d8	2037-26-5	LCS	30.30	30	101	89 - 112	

QC Batch

QC Batch	1238630	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples

3366026002	3366026003	3366026005	3366026006
3366026007	3366026008	3366026009	3366026010
3366026011	3366026012	3366026014	3366026015
3366026016	3366026017	3366026018	

Matrix Spike 3846786 (MS) 3366030001 (non-Project Sample) For QC Batch 1238630

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 3846787 (MSD) 3366030001 (non-Project Sample) For QC Batch 1238630

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	MS	19.20	0	20	96	78 - 124		
1,1,1,2-Tetrachloroethane	630-20-6	MSD	18.10	0	20	90.7	78 - 124	RPD 5.64 (Max-30)	
1,1,1-Trichloroethane	71-55-6	MS	22.20	0	20	111	74 - 131		
1,1,1-Trichloroethane	71-55-6	MSD	21.40	0	20	107	74 - 131	RPD 3.43 (Max-30)	
1,1,2,2-Tetrachloroethane	79-34-5	MS	22.70	0	20	113	71 - 121		
1,1,2,2-Tetrachloroethane	79-34-5	MSD	21.20	0	20	106	71 - 121	RPD 6.87 (Max-30)	
1,1,2-Trichloroethane	79-00-5	MS	21.20	0	20	106	80 - 119		
1,1,2-Trichloroethane	79-00-5	MSD	20	0	20	99.8	80 - 119	RPD 5.88 (Max-30)	
1,1-Dichloroethane	75-34-3	MS	21	0	20	105	77 - 125		
1,1-Dichloroethane	75-34-3	MSD	20.50	0	20	102	77 - 125	RPD 2.37 (Max-30)	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1-Dichloroethene	75-35-4	MS	22.70	0	20	113	71 - 131		
1,1-Dichloroethene	75-35-4	MSD	21.10	0	20	106	71 - 131	RPD 7.16 (Max-30)	
1,1-Dichloropropene	563-58-6	MS	21.20	0	20	106	79 - 125		
1,1-Dichloropropene	563-58-6	MSD	20.10	0	20	100	79 - 125	RPD 5.24 (Max-30)	
1,2,3-Trichlorobenzene	87-61-6	MS	17.40	0	20	86.8	69 - 129		
1,2,3-Trichlorobenzene	87-61-6	MSD	16.20	0	20	80.8	69 - 129	RPD 7.08 (Max-30)	
1,2,3-Trichloropropane	96-18-4	MS	22.10	0	20	111	73 - 122		
1,2,3-Trichloropropane	96-18-4	MSD	20	0	20	99.8	73 - 122	RPD 10.40 (Max-30)	
1,2,4-Trichlorobenzene	120-82-1	MS	21.50	0	20	107	69 - 130		
1,2,4-Trichlorobenzene	120-82-1	MSD	20.20	0	20	101	69 - 130	RPD 6.34 (Max-30)	
1,2,4-Trimethylbenzene	95-63-6	MS	20.90	0	20	105	76 - 124		
1,2,4-Trimethylbenzene	95-63-6	MSD	19.20	0	20	95.9	76 - 124	RPD 8.68 (Max-30)	
1,2-Dibromo-3-chloropropane	96-12-8	MS	16.70	0	20	83.7	62 - 128		
1,2-Dibromo-3-chloropropane	96-12-8	MSD	16	0	20	80.2	62 - 128	RPD 4.27 (Max-30)	
1,2-Dibromoethane	106-93-4	MS	19	0	20	95.1	77 - 121		
1,2-Dibromoethane	106-93-4	MSD	18.20	0	20	90.8	77 - 121	RPD 4.68 (Max-30)	
1,2-Dichlorobenzene	95-50-1	MS	21.70	0	20	108	80 - 119		
1,2-Dichlorobenzene	95-50-1	MSD	20.10	0	20	101	80 - 119	RPD 7.51 (Max-30)	
1,2-Dichloroethane	107-06-2	MS	20.40	0	20	102	73 - 128		
1,2-Dichloroethane	107-06-2	MSD	20	0	20	100	73 - 128	RPD 1.77 (Max-30)	
1,2-Dichloropropane	78-87-5	MS	20.60	0	20	103	78 - 122		
1,2-Dichloropropane	78-87-5	MSD	20	0	20	100	78 - 122	RPD 2.80 (Max-30)	
1,3,5-Trimethylbenzene	108-67-8	MS	22.70	0	20	114	75 - 124		
1,3,5-Trimethylbenzene	108-67-8	MSD	20.70	0	20	104	75 - 124	RPD 9.19 (Max-30)	
1,3-Dichlorobenzene	541-73-1	MS	22.10	0	20	110	80 - 119		
1,3-Dichlorobenzene	541-73-1	MSD	20.10	0	20	100	80 - 119	RPD 9.34 (Max-30)	
1,3-Dichloropropane	142-28-9	MS	22.10	0	20	110	80 - 119		
1,3-Dichloropropane	142-28-9	MSD	20.50	0	20	102	80 - 119	RPD 7.47 (Max-30)	
1,4-Dichlorobenzene	106-46-7	MS	21.20	0	20	106	79 - 118		
1,4-Dichlorobenzene	106-46-7	MSD	20	0	20	99.9	79 - 118	RPD 5.97 (Max-30)	
2,2-Dichloropropane	594-20-7	MS	18.70	0	20	93.6	60 - 139		
2,2-Dichloropropane	594-20-7	MSD	18.70	0	20	93.4	60 - 139	RPD 0.23 (Max-30)	
2-Butanone	78-93-3	MS	92.40	0	100	92.4	56 - 143		
2-Butanone	78-93-3	MSD	90.30	0	100	90.3	56 - 143	RPD 2.36 (Max-30)	
2-Hexanone	591-78-6	MS	95.50	0	100	95.5	57 - 139		
2-Hexanone	591-78-6	MSD	91.80	0	100	91.8	57 - 139	RPD 3.89 (Max-30)	
4-Methyl-2-Pentanone(MIBK)	108-10-1	MS	98.90	0	100	98.9	67 - 130		
4-Methyl-2-Pentanone(MIBK)	108-10-1	MSD	94.60	0	100	94.6	67 - 130	RPD 4.48 (Max-30)	
Acetone	67-64-1	MS	86.50	0	100	86.5	39 - 160		
Acetone	67-64-1	MSD	88.70	0	100	88.7	39 - 160	RPD 2.44 (Max-30)	
Benzene	71-43-2	MS	20.20	0	20	101	79 - 120		
Benzene	71-43-2	MSD	19.50	0	20	97.6	79 - 120	RPD 3.48 (Max-30)	
Bromobenzene	108-86-1	MS	21.80	0	20	109	80 - 120		
Bromobenzene	108-86-1	MSD	20.40	0	20	102	80 - 120	RPD 6.61 (Max-30)	
Bromochloromethane	74-97-5	MS	20.70	0	20	103	78 - 123		
Bromochloromethane	74-97-5	MSD	20.30	0	20	101	78 - 123	RPD 1.94 (Max-30)	
Bromodichloromethane	75-27-4	MS	18.70	0	20	93.4	79 - 125		
Bromodichloromethane	75-27-4	MSD	18.10	0	20	90.5	79 - 125	RPD 3.06 (Max-30)	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Bromoform	75-25-2	MS	17.30	0	20	86.5	66 - 130		
Bromoform	75-25-2	MSD	16.10	0	20	80.6	66 - 130	RPD 7.03 (Max-30)	
Bromomethane	74-83-9	MS	21.70	0	20	109	53 - 141		
Bromomethane	74-83-9	MSD	21.10	0	20	106	53 - 141	RPD 2.76 (Max-30)	
Carbon Disulfide	75-15-0	MS	20.40	0	20	102	64 - 133		
Carbon Disulfide	75-15-0	MSD	19.70	0	20	98.4	64 - 133	RPD 3.49 (Max-30)	
Carbon Tetrachloride	56-23-5	MS	17.80	0	20	89.2	72 - 136		
Carbon Tetrachloride	56-23-5	MSD	17.60	0	20	87.9	72 - 136	RPD 1.50 (Max-30)	
Chlorobenzene	108-90-7	MS	21.20	0	20	106	82 - 118		
Chlorobenzene	108-90-7	MSD	20.10	0	20	100	82 - 118	RPD 5.17 (Max-30)	
Chlorodibromomethane	124-48-1	MS	17.60	0	20	88	74 - 126		
Chlorodibromomethane	124-48-1	MSD	17.10	0	20	85.5	74 - 126	RPD 2.91 (Max-30)	
Chloroethane	75-00-3	MS	20.30	0	20	101	60 - 138		
Chloroethane	75-00-3	MSD	19.10	0	20	95.5	60 - 138	RPD 6 (Max-30)	
Chloroform	67-66-3	MS	20.70	0	20	103	79 - 124		
Chloroform	67-66-3	MSD	20.20	0	20	101	79 - 124	RPD 2.10 (Max-30)	
Chloromethane	74-87-3	MS	21	0	20	105	50 - 139		
Chloromethane	74-87-3	MSD	19.90	0	20	99.6	50 - 139	RPD 5.20 (Max-30)	
cis-1,2-Dichloroethene	156-59-2	MS	22.60	0	20	113	78 - 123		
cis-1,2-Dichloroethene	156-59-2	MSD	21.70	0	20	109	78 - 123	RPD 3.86 (Max-30)	
cis-1,3-Dichloropropene	10061-01-5	MS	18.60	0	20	93.1	75 - 124		
cis-1,3-Dichloropropene	10061-01-5	MSD	17.70	0	20	88.4	75 - 124	RPD 5.22 (Max-30)	
Dibromomethane	74-95-3	MS	19.90	0	20	99.3	79 - 123		
Dibromomethane	74-95-3	MSD	19.70	0	20	98.6	79 - 123	RPD 0.71 (Max-30)	
Dichlorodifluoromethane	75-71-8	MS	19.40	0	20	96.8	32 - 152		
Dichlorodifluoromethane	75-71-8	MSD	18.80	0	20	94	32 - 152	RPD 2.91 (Max-30)	
Ethylbenzene	100-41-4	MS	20.20	0	20	101	79 - 121		
Ethylbenzene	100-41-4	MSD	18.60	0	20	93.1	79 - 121	RPD 8.35 (Max-30)	
Hexachlorobutadiene	87-68-3	MS	19.10	0	20	95.3	66 - 134		
Hexachlorobutadiene	87-68-3	MSD	18.10	0	20	90.4	66 - 134	RPD 5.29 (Max-30)	
Isopropylbenzene	98-82-8	MS	24.40	0	20	122	72 - 131		
Isopropylbenzene	98-82-8	MSD	22.20	0	20	111	72 - 131	RPD 9.30 (Max-30)	
Methylene Chloride	75-09-2	MS	20.40	0	20	102	74 - 124		
Methylene Chloride	75-09-2	MSD	19.70	0	20	98.4	74 - 124	RPD 3.76 (Max-30)	
mp-Xylene	108383/106423	MS	39.50	0	40	98.7	80 - 121		
mp-Xylene	108383/106423	MSD	37.50	0	40	93.9	80 - 121	RPD 5.07 (Max-30)	
Naphthalene	91-20-3	MS	17.80	0	20	88.8	61 - 128		
Naphthalene	91-20-3	MSD	16.80	0	20	84	61 - 128	RPD 5.60 (Max-30)	
n-Butylbenzene	104-51-8	MS	21.20	0	20	106	75 - 128		
n-Butylbenzene	104-51-8	MSD	19.40	0	20	97.2	75 - 128	RPD 8.70 (Max-30)	
n-Propylbenzene	103-65-1	MS	22.90	0	20	115	76 - 126		
n-Propylbenzene	103-65-1	MSD	21	0	20	105	76 - 126	RPD 8.59 (Max-30)	
o-Chlorotoluene	95-49-8	MS	23.30	0	20	116	79 - 122		
o-Chlorotoluene	95-49-8	MSD	21.20	0	20	106	79 - 122	RPD 9.42 (Max-30)	
o-Xylene	95-47-6	MS	19.60	0	20	98.1	78 - 122		
o-Xylene	95-47-6	MSD	18.70	0	20	93.5	78 - 122	RPD 4.83 (Max-30)	
p-Chlorotoluene	106-43-4	MS	23.20	0	20	116	78 - 122		
p-Chlorotoluene	106-43-4	MSD	21.20	0	20	106	78 - 122	RPD 9.27 (Max-30)	
p-Isopropyltoluene	99-87-6	MS	22.20	0	20	111	77 - 127		

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
p-Isopropyltoluene	99-87-6	MSD	20.90	0	20	105	77 - 127	RPD 5.63 (Max-30)	
sec-Butylbenzene	135-98-8	MS	23.90	0	20	119	77 - 126		
sec-Butylbenzene	135-98-8	MSD	22.20	0	20	111	77 - 126	RPD 7.27 (Max-30)	
Styrene	100-42-5	MS	20.30	0	20	102	78 - 123		
Styrene	100-42-5	MSD	19.20	0	20	96.1	78 - 123	RPD 5.61 (Max-30)	
tert-Butylbenzene	98-06-6	MS	23.50	0	20	118	78 - 124		
tert-Butylbenzene	98-06-6	MSD	22	0	20	110	78 - 124	RPD 6.50 (Max-30)	
Tetrachloroethene	127-18-4	MS	20	0	20	99.9	74 - 129		
Tetrachloroethene	127-18-4	MSD	19.10	0	20	95.5	74 - 129	RPD 4.53 (Max-30)	
Toluene	108-88-3	MS	20.70	0	20	104	80 - 121		
Toluene	108-88-3	MSD	19.30	0	20	96.3	80 - 121	RPD 7.36 (Max-30)	
trans-1,2-Dichloroethene	156-60-5	MS	21.60	0	20	108	75 - 124		
trans-1,2-Dichloroethene	156-60-5	MSD	20.50	0	20	102	75 - 124	RPD 5.43 (Max-30)	
trans-1,3-Dichloropropene	10061-02-6	MS	18.70	0	20	93.5	73 - 127		
trans-1,3-Dichloropropene	10061-02-6	MSD	17.60	0	20	88	73 - 127	RPD 6.12 (Max-30)	
Trichloroethene	79-01-6	MS	22.10	0	20	111	79 - 123		
Trichloroethene	79-01-6	MSD	20.80	0	20	104	79 - 123	RPD 6.05 (Max-30)	
Trichlorofluoromethane	75-69-4	MS	19.60	0	20	98.1	65 - 141		
Trichlorofluoromethane	75-69-4	MSD	18.40	0	20	92.2	65 - 141	RPD 6.11 (Max-30)	
Vinyl Chloride	75-01-4	MS	19.80	0	20	99.1	58 - 137		
Vinyl Chloride	75-01-4	MSD	18.70	0	20	93.3	58 - 137	RPD 6.05 (Max-30)	

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	MS	30.90	30	103	81 - 118	
1,2-Dichloroethane-d4	17060-07-0	MSD	30.20	30	101	81 - 118	
4-Bromofluorobenzene	460-00-4	MS	30.10	30	100	85 - 114	
4-Bromofluorobenzene	460-00-4	MSD	29.90	30	99.6	85 - 114	
Dibromofluoromethane	1868-53-7	MS	30	30	100	80 - 119	
Dibromofluoromethane	1868-53-7	MSD	29.20	30	97.5	80 - 119	
Toluene-d8	2037-26-5	MS	31.70	30	106	89 - 112	
Toluene-d8	2037-26-5	MSD	30.30	30	101	89 - 112	

Method Blank 3846765 (MB) Created on 07/01/2024 10:31 For QC Batch 1238630

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	0.75U	ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	0.75U	ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	0.75U	ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	0.75U	ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichlorobenzene	87-61-6	BLK	0.75U	ug/L	1.0	U

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,2,3-Trichloropropane	96-18-4	BLK	2.5U	ug/L	5.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	0.75U	ug/L	1.0	U
1,2,4-Trimethylbenzene	95-63-6	BLK	0.75U	ug/L	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	2.5U	ug/L	5.0	U
1,2-Dibromoethane	106-93-4	BLK	0.75U	ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	0.75U	ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	0.75U	ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	0.75U	ug/L	1.0	U
1,3,5-Trimethylbenzene	108-67-8	BLK	0.75U	ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	0.75U	ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	0.75U	ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	0.75U	ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	0.75U	ug/L	1.0	U
2-Butanone	78-93-3	BLK	3.8U	ug/L	5.0	U
2-Hexanone	591-78-6	BLK	3.8U	ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	3.8U	ug/L	5.0	U
Acetone	67-64-1	BLK	3.8U	ug/L	5.0	U
Benzene	71-43-2	BLK	0.75U	ug/L	1.0	U
Bromobenzene	108-86-1	BLK	0.75U	ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	0.75U	ug/L	1.0	U
Bromodichloromethane	75-27-4	BLK	0.75U	ug/L	1.0	U
Bromoform	75-25-2	BLK	0.75U	ug/L	1.0	U
Bromomethane	74-83-9	BLK	0.75U	ug/L	1.0	U
Carbon Disulfide	75-15-0	BLK	0.75U	ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	0.75U	ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	0.75U	ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	0.75U	ug/L	1.0	U
Chloroethane	75-00-3	BLK	0.75U	ug/L	1.0	U
Chloroform	67-66-3	BLK	0.75U	ug/L	1.0	U
Chloromethane	74-87-3	BLK	0.75U	ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	0.75U	ug/L	1.0	U
cis-1,3-Dichloropropene	10061-01-5	BLK	0.75U	ug/L	1.0	U
Dibromomethane	74-95-3	BLK	0.75U	ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	0.75U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	0.75U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	3.8U	ug/L	5.0	U
Isopropylbenzene	98-82-8	BLK	0.75U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	0.75U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	1.5U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	0.75U	ug/L	1.0	U
n-Butylbenzene	104-51-8	BLK	0.75U	ug/L	1.0	U
n-Propylbenzene	103-65-1	BLK	0.75U	ug/L	1.0	U
o-Chlorotoluene	95-49-8	BLK	0.75U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	0.75U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	0.75U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	0.75U	ug/L	1.0	U
sec-Butylbenzene	135-98-8	BLK	0.75U	ug/L	1.0	U
Styrene	100-42-5	BLK	0.75U	ug/L	1.0	U

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
tert-Butylbenzene	98-06-6	BLK	0.75U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	0.75U	ug/L	1.0	U
Toluene	108-88-3	BLK	0.75U	ug/L	1.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	0.75U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	0.75U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	0.75U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	0.75U	ug/L	1.0	U
Vinyl Chloride	75-01-4	BLK	0.75U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	31.20	30	104	81 - 118	
4-Bromofluorobenzene	460-00-4	BLK	30.90	30	103	85 - 114	
Dibromofluoromethane	1868-53-7	BLK	29.90	30	99.6	80 - 119	
Toluene-d8	2037-26-5	BLK	32.10	30	107	89 - 112	

Lab Control Standard 3846766 (LCS) Created on 07/01/2024 10:31 For QC Batch 1238630

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	19.60		20	97.8	78 - 124		
1,1,1-Trichloroethane	71-55-6	LCS	21.70		20	108	74 - 131		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	20.90		20	104	71 - 121		
1,1,2-Trichloroethane	79-00-5	LCS	20.40		20	102	80 - 119		
1,1-Dichloroethane	75-34-3	LCS	20.30		20	101	77 - 125		
1,1-Dichloroethene	75-35-4	LCS	20.60		20	103	71 - 131		
1,1-Dichloropropene	563-58-6	LCS	20		20	100	79 - 125		
1,2,3-Trichlorobenzene	87-61-6	LCS	18.10		20	90.7	69 - 129		
1,2,3-Trichloropropane	96-18-4	LCS	20.40		20	102	73 - 122		
1,2,4-Trichlorobenzene	120-82-1	LCS	22.50		20	112	69 - 130		
1,2,4-Trimethylbenzene	95-63-6	LCS	20.10		20	101	76 - 124		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	16.60		20	82.9	62 - 128		
1,2-Dibromoethane	106-93-4	LCS	19.10		20	95.3	77 - 121		
1,2-Dichlorobenzene	95-50-1	LCS	21.20		20	106	80 - 119		
1,2-Dichloroethane	107-06-2	LCS	19.40		20	97.2	73 - 128		
1,2-Dichloropropane	78-87-5	LCS	20.20		20	101	78 - 122		
1,3,5-Trimethylbenzene	108-67-8	LCS	21.20		20	106	75 - 124		
1,3-Dichlorobenzene	541-73-1	LCS	21.70		20	108	80 - 119		
1,3-Dichloropropane	142-28-9	LCS	20.90		20	105	80 - 119		
1,4-Dichlorobenzene	106-46-7	LCS	21.40		20	107	79 - 118		
2,2-Dichloropropane	594-20-7	LCS	21.10		20	106	60 - 139		
2-Butanone	78-93-3	LCS	97.80		100	97.8	56 - 143		
2-Hexanone	591-78-6	LCS	89.60		100	89.6	57 - 139		
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	90.80		100	90.8	67 - 130		

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Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Acetone	67-64-1	LCS	101		100	101	39 - 160		
Benzene	71-43-2	LCS	19.60		20	98.2	79 - 120		
Bromobenzene	108-86-1	LCS	21.20		20	106	80 - 120		
Bromochloromethane	74-97-5	LCS	21.80		20	109	78 - 123		
Bromodichloromethane	75-27-4	LCS	18.60		20	93.2	79 - 125		
Bromoform	75-25-2	LCS	17.20		20	85.9	66 - 130		
Bromomethane	74-83-9	LCS	19.50		20	97.4	53 - 141		
Carbon Disulfide	75-15-0	LCS	20.80		20	104	64 - 133		
Carbon Tetrachloride	56-23-5	LCS	18.20		20	90.9	72 - 136		
Chlorobenzene	108-90-7	LCS	20.70		20	104	82 - 118		
Chlorodibromomethane	124-48-1	LCS	18.10		20	90.6	74 - 126		
Chloroethane	75-00-3	LCS	19.10		20	95.6	60 - 138		
Chloroform	67-66-3	LCS	20.80		20	104	79 - 124		
Chloromethane	74-87-3	LCS	19		20	95	50 - 139		
cis-1,2-Dichloroethene	156-59-2	LCS	20.50		20	102	78 - 123		
cis-1,3-Dichloropropene	10061-01-5	LCS	18.60		20	92.9	75 - 124		
Dibromomethane	74-95-3	LCS	20.70		20	104	79 - 123		
Dichlorodifluoromethane	75-71-8	LCS	19.50		20	97.4	32 - 152		
Ethylbenzene	100-41-4	LCS	19.60		20	98	79 - 121		
Hexachlorobutadiene	87-68-3	LCS	21		20	105	66 - 134		
Isopropylbenzene	98-82-8	LCS	22.70		20	114	72 - 131		
Methylene Chloride	75-09-2	LCS	20.20		20	101	74 - 124		
mp-Xylene	108383/106423	LCS	39		40	97.5	80 - 121		
Naphthalene	91-20-3	LCS	18		20	89.8	61 - 128		
n-Butylbenzene	104-51-8	LCS	21.20		20	106	75 - 128		
n-Propylbenzene	103-65-1	LCS	21.70		20	109	76 - 126		
o-Chlorotoluene	95-49-8	LCS	21.40		20	107	79 - 122		
o-Xylene	95-47-6	LCS	19.50		20	97.5	78 - 122		
p-Chlorotoluene	106-43-4	LCS	21.80		20	109	78 - 122		
p-Isopropyltoluene	99-87-6	LCS	21.60		20	108	77 - 127		
sec-Butylbenzene	135-98-8	LCS	22.40		20	112	77 - 126		
Styrene	100-42-5	LCS	19.60		20	97.8	78 - 123		
tert-Butylbenzene	98-06-6	LCS	22.60		20	113	78 - 124		
Tetrachloroethene	127-18-4	LCS	20.70		20	104	74 - 129		
Toluene	108-88-3	LCS	19.60		20	97.8	80 - 121		
trans-1,2-Dichloroethene	156-60-5	LCS	20		20	100	75 - 124		
trans-1,3-Dichloropropene	10061-02-6	LCS	18.90		20	94.3	73 - 127		
Trichloroethene	79-01-6	LCS	20.10		20	100	79 - 123		
Trichlorofluoromethane	75-69-4	LCS	19.10		20	95.6	65 - 141		
Vinyl Chloride	75-01-4	LCS	18.80		20	94	58 - 137		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	28.50	30	94.9	81 - 118	
4-Bromofluorobenzene	460-00-4	LCS	29.90	30	99.6	85 - 114	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
Dibromofluoromethane	1868-53-7	LCS	29.40	30	98	80 - 119	
Toluene-d8	2037-26-5	LCS	29.70	30	99.1	89 - 112	

QC Batch

QC Batch	1239724	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples

3366026004	3366026009	3366026010	3366026011
3366026013	3366026020	3366026021	

Method Blank 3847311 (MB) Created on 07/02/2024 11:09 For QC Batch 1239724

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	0.75U	ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	0.75U	ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	0.75U	ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	0.75U	ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichlorobenzene	87-61-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichloropropane	96-18-4	BLK	2.5U	ug/L	5.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	0.75U	ug/L	1.0	U
1,2,4-Trimethylbenzene	95-63-6	BLK	0.75U	ug/L	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	2.5U	ug/L	5.0	U
1,2-Dibromoethane	106-93-4	BLK	0.75U	ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	0.75U	ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	0.75U	ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	0.75U	ug/L	1.0	U
1,3,5-Trimethylbenzene	108-67-8	BLK	0.75U	ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	0.75U	ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	0.75U	ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	0.75U	ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	0.75U	ug/L	1.0	U
2-Butanone	78-93-3	BLK	3.8U	ug/L	5.0	U
2-Hexanone	591-78-6	BLK	3.8U	ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	3.8U	ug/L	5.0	U
Acetone	67-64-1	BLK	3.8U	ug/L	5.0	U
Benzene	71-43-2	BLK	0.75U	ug/L	1.0	U
Bromobenzene	108-86-1	BLK	0.75U	ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	0.75U	ug/L	1.0	U
Bromodichloromethane	75-27-4	BLK	0.75U	ug/L	1.0	U
Bromoform	75-25-2	BLK	0.75U	ug/L	1.0	U
Bromomethane	74-83-9	BLK	0.75U	ug/L	1.0	U

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
Carbon Disulfide	75-15-0	BLK	0.75U	ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	0.75U	ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	0.75U	ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	0.75U	ug/L	1.0	U
Chloroethane	75-00-3	BLK	0.75U	ug/L	1.0	U
Chloroform	67-66-3	BLK	0.75U	ug/L	1.0	U
Chloromethane	74-87-3	BLK	0.75U	ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	0.69J	ug/L	1.0	J
cis-1,3-Dichloropropene	10061-01-5	BLK	0.75U	ug/L	1.0	U
Dibromomethane	74-95-3	BLK	0.75U	ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	0.75U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	0.75U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	3.8U	ug/L	5.0	U
Isopropylbenzene	98-82-8	BLK	0.75U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	0.75U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	1.5U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	0.75U	ug/L	1.0	U
n-Butylbenzene	104-51-8	BLK	0.75U	ug/L	1.0	U
n-Propylbenzene	103-65-1	BLK	0.75U	ug/L	1.0	U
o-Chlorotoluene	95-49-8	BLK	0.75U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	0.75U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	0.75U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	0.75U	ug/L	1.0	U
sec-Butylbenzene	135-98-8	BLK	0.75U	ug/L	1.0	U
Styrene	100-42-5	BLK	0.75U	ug/L	1.0	U
tert-Butylbenzene	98-06-6	BLK	0.75U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	0.75U	ug/L	1.0	U
Toluene	108-88-3	BLK	0.75U	ug/L	1.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	0.75U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	0.75U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	0.75U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	0.75U	ug/L	1.0	U
Vinyl Chloride	75-01-4	BLK	0.75U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	33.70	30	112	81 - 118	
4-Bromofluorobenzene	460-00-4	BLK	31.20	30	104	85 - 114	
Dibromofluoromethane	1868-53-7	BLK	28.80	30	96.1	80 - 119	
Toluene-d8	2037-26-5	BLK	31.30	30	104	89 - 112	

Lab Control Standard 3847312 (LCS) Created on 07/02/2024 11:09 For QC Batch 1239724

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	19		20	94.8	78 - 124		
1,1,1-Trichloroethane	71-55-6	LCS	22.30		20	112	74 - 131		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	22.60		20	113	71 - 121		
1,1,2-Trichloroethane	79-00-5	LCS	20.60		20	103	80 - 119		
1,1-Dichloroethane	75-34-3	LCS	21.30		20	106	77 - 125		
1,1-Dichloroethene	75-35-4	LCS	22		20	110	71 - 131		
1,1-Dichloropropene	563-58-6	LCS	20.90		20	104	79 - 125		
1,2,3-Trichlorobenzene	87-61-6	LCS	18.40		20	91.9	69 - 129		
1,2,3-Trichloropropane	96-18-4	LCS	21.60		20	108	73 - 122		
1,2,4-Trichlorobenzene	120-82-1	LCS	22.70		20	114	69 - 130		
1,2,4-Trimethylbenzene	95-63-6	LCS	21		20	105	76 - 124		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	17.80		20	89.1	62 - 128		
1,2-Dibromoethane	106-93-4	LCS	19		20	95.2	77 - 121		
1,2-Dichlorobenzene	95-50-1	LCS	22.10		20	110	80 - 119		
1,2-Dichloroethane	107-06-2	LCS	21		20	105	73 - 128		
1,2-Dichloropropane	78-87-5	LCS	21.80		20	109	78 - 122		
1,3,5-Trimethylbenzene	108-67-8	LCS	22.50		20	112	75 - 124		
1,3-Dichlorobenzene	541-73-1	LCS	22		20	110	80 - 119		
1,3-Dichloropropane	142-28-9	LCS	21.80		20	109	80 - 119		
1,4-Dichlorobenzene	106-46-7	LCS	21.40		20	107	79 - 118		
2,2-Dichloropropane	594-20-7	LCS	21		20	105	60 - 139		
2-Butanone	78-93-3	LCS	102		100	102	56 - 143		
2-Hexanone	591-78-6	LCS	100		100	100	57 - 139		
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	101		100	101	67 - 130		
Acetone	67-64-1	LCS	109		100	109	39 - 160		
Benzene	71-43-2	LCS	20.40		20	102	79 - 120		
Bromobenzene	108-86-1	LCS	21.60		20	108	80 - 120		
Bromochloromethane	74-97-5	LCS	22		20	110	78 - 123		
Bromodichloromethane	75-27-4	LCS	19.30		20	96.7	79 - 125		
Bromoform	75-25-2	LCS	17.40		20	87	66 - 130		
Bromomethane	74-83-9	LCS	19.80		20	99	53 - 141		
Carbon Disulfide	75-15-0	LCS	20.70		20	104	64 - 133		
Carbon Tetrachloride	56-23-5	LCS	18.20		20	90.8	72 - 136		
Chlorobenzene	108-90-7	LCS	20.60		20	103	82 - 118		
Chlorodibromomethane	124-48-1	LCS	17.80		20	89.1	74 - 126		
Chloroethane	75-00-3	LCS	20.10		20	101	60 - 138		
Chloroform	67-66-3	LCS	21.70		20	109	79 - 124		
Chloromethane	74-87-3	LCS	19.90		20	99.5	50 - 139		
cis-1,2-Dichloroethene	156-59-2	LCS	24		20	120	78 - 123		
cis-1,3-Dichloropropene	10061-01-5	LCS	18.90		20	94.5	75 - 124		
Dibromomethane	74-95-3	LCS	21.20		20	106	79 - 123		
Dichlorodifluoromethane	75-71-8	LCS	18		20	90	32 - 152		
Ethylbenzene	100-41-4	LCS	19.50		20	97.3	79 - 121		
Hexachlorobutadiene	87-68-3	LCS	20.80		20	104	66 - 134		
Isopropylbenzene	98-82-8	LCS	23.80		20	119	72 - 131		
Methylene Chloride	75-09-2	LCS	20.50		20	103	74 - 124		
mp-Xylene	108383/106423	LCS	38.20		40	95.4	80 - 121		

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Naphthalene	91-20-3	LCS	18.60		20	92.8	61 - 128		
n-Butylbenzene	104-51-8	LCS	21.80		20	109	75 - 128		
n-Propylbenzene	103-65-1	LCS	22.30		20	112	76 - 126		
o-Chlorotoluene	95-49-8	LCS	22.60		20	113	79 - 122		
o-Xylene	95-47-6	LCS	19.20		20	96.1	78 - 122		
p-Chlorotoluene	106-43-4	LCS	23.30		20	117	78 - 122		
p-Isopropyltoluene	99-87-6	LCS	23		20	115	77 - 127		
sec-Butylbenzene	135-98-8	LCS	23.50		20	117	77 - 126		
Styrene	100-42-5	LCS	20.50		20	102	78 - 123		
tert-Butylbenzene	98-06-6	LCS	23.40		20	117	78 - 124		
Tetrachloroethene	127-18-4	LCS	19.60		20	97.9	74 - 129		
Toluene	108-88-3	LCS	19.60		20	97.9	80 - 121		
trans-1,2-Dichloroethene	156-60-5	LCS	21.10		20	106	75 - 124		
trans-1,3-Dichloropropene	10061-02-6	LCS	19.30		20	96.5	73 - 127		
Trichloroethene	79-01-6	LCS	20.70		20	104	79 - 123		
Trichlorofluoromethane	75-69-4	LCS	18.60		20	93.1	65 - 141		
Vinyl Chloride	75-01-4	LCS	20		20	100	58 - 137		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	31.40	30	105	81 - 118	
4-Bromofluorobenzene	460-00-4	LCS	30.10	30	100	85 - 114	
Dibromofluoromethane	1868-53-7	LCS	29.10	30	97	80 - 119	
Toluene-d8	2037-26-5	LCS	29.20	30	97.5	89 - 112	

Matrix Spike 3847323 (MS) 3366026004 For QC Batch 1239724

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 3847324 (MSD) 3366026004 For QC Batch 1239724

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	MS	19.80	0	20	98.9	78 - 124		
1,1,1,2-Tetrachloroethane	630-20-6	MSD	19.40	0	20	97	78 - 124	RPD 1.91 (Max-30)	
1,1,1-Trichloroethane	71-55-6	MS	23.60	0	20	118	74 - 131		
1,1,1-Trichloroethane	71-55-6	MSD	22.30	0	20	112	74 - 131	RPD 5.58 (Max-30)	
1,1,2,2-Tetrachloroethane	79-34-5	MS	24	0	20	120	71 - 121		
1,1,2,2-Tetrachloroethane	79-34-5	MSD	23.80	0	20	119	71 - 121	RPD 1.13 (Max-30)	
1,1,2-Trichloroethane	79-00-5	MS	22	0.57	20	107	80 - 119		
1,1,2-Trichloroethane	79-00-5	MSD	21.80	0.57	20	106	80 - 119	RPD 0.92 (Max-30)	
1,1-Dichloroethane	75-34-3	MS	24.90	0	20	125	77 - 125		
1,1-Dichloroethane	75-34-3	MSD	23.70	0	20	119	77 - 125	RPD 4.96 (Max-30)	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1-Dichloroethene	75-35-4	MS	74.40	67.90	20	32.7*	71 - 131		
1,1-Dichloroethene	75-35-4	MSD	70.20	67.90	20	11.3*	71 - 131	RPD 5.92 (Max-30)	
1,1-Dichloropropene	563-58-6	MS	22.40	0	20	112	79 - 125		
1,1-Dichloropropene	563-58-6	MSD	21.40	0	20	107	79 - 125	RPD 4.59 (Max-30)	
1,2,3-Trichlorobenzene	87-61-6	MS	18.60	0	20	93	69 - 129		
1,2,3-Trichlorobenzene	87-61-6	MSD	18.10	0	20	90.5	69 - 129	RPD 2.73 (Max-30)	
1,2,3-Trichloropropane	96-18-4	MS	23	0	20	115	73 - 122		
1,2,3-Trichloropropane	96-18-4	MSD	22.40	0	20	112	73 - 122	RPD 2.42 (Max-30)	
1,2,4-Trichlorobenzene	120-82-1	MS	22.80	0	20	114	69 - 130		
1,2,4-Trichlorobenzene	120-82-1	MSD	22	0	20	110	69 - 130	RPD 3.22 (Max-30)	
1,2,4-Trimethylbenzene	95-63-6	MS	21.80	0	20	109	76 - 124		
1,2,4-Trimethylbenzene	95-63-6	MSD	21.30	0	20	106	76 - 124	RPD 2.33 (Max-30)	
1,2-Dibromo-3-chloropropane	96-12-8	MS	18.20	0	20	90.8	62 - 128		
1,2-Dibromo-3-chloropropane	96-12-8	MSD	19.10	0	20	95.7	62 - 128	RPD 5.25 (Max-30)	
1,2-Dibromoethane	106-93-4	MS	19.20	0	20	96	77 - 121		
1,2-Dibromoethane	106-93-4	MSD	19.20	0	20	96.1	77 - 121	RPD 0.12 (Max-30)	
1,2-Dichlorobenzene	95-50-1	MS	22.30	0	20	112	80 - 119		
1,2-Dichlorobenzene	95-50-1	MSD	22.50	0	20	112	80 - 119	RPD 0.49 (Max-30)	
1,2-Dichloroethane	107-06-2	MS	35.20	20.70	20	72.5*	73 - 128		
1,2-Dichloroethane	107-06-2	MSD	34.20	20.70	20	67.4*	73 - 128	RPD 2.93 (Max-30)	
1,2-Dichloropropane	78-87-5	MS	22.70	0	20	114	78 - 122		
1,2-Dichloropropane	78-87-5	MSD	21.70	0	20	109	78 - 122	RPD 4.66 (Max-30)	
1,3,5-Trimethylbenzene	108-67-8	MS	23.60	0	20	118	75 - 124		
1,3,5-Trimethylbenzene	108-67-8	MSD	23	0	20	115	75 - 124	RPD 2.53 (Max-30)	
1,3-Dichlorobenzene	541-73-1	MS	22.80	0	20	114	80 - 119		
1,3-Dichlorobenzene	541-73-1	MSD	21.80	0	20	109	80 - 119	RPD 4.11 (Max-30)	
1,3-Dichloropropane	142-28-9	MS	22	0	20	110	80 - 119		
1,3-Dichloropropane	142-28-9	MSD	21.70	0	20	108	80 - 119	RPD 1.55 (Max-30)	
1,4-Dichlorobenzene	106-46-7	MS	22.20	0	20	111	79 - 118		
1,4-Dichlorobenzene	106-46-7	MSD	21.50	0	20	107	79 - 118	RPD 3.07 (Max-30)	
2,2-Dichloropropane	594-20-7	MS	19.90	0	20	99.5	60 - 139		
2,2-Dichloropropane	594-20-7	MSD	19.40	0	20	97.1	60 - 139	RPD 2.47 (Max-30)	
2-Butanone	78-93-3	MS	112	0	100	112	56 - 143		
2-Butanone	78-93-3	MSD	106	0	100	106	56 - 143	RPD 5.09 (Max-30)	
2-Hexanone	591-78-6	MS	105	0	100	105	57 - 139		
2-Hexanone	591-78-6	MSD	104	0	100	104	57 - 139	RPD 1.47 (Max-30)	
4-Methyl-2-Pentanone(MIBK)	108-10-1	MS	109	0	100	109	67 - 130		
4-Methyl-2-Pentanone(MIBK)	108-10-1	MSD	107	0	100	107	67 - 130	RPD 1.77 (Max-30)	
Acetone	67-64-1	MS	98.80	0	100	98.8	39 - 160		
Acetone	67-64-1	MSD	98.60	0	100	98.6	39 - 160	RPD 0.12 (Max-30)	
Benzene	71-43-2	MS	22.40	1.30	20	106	79 - 120		
Benzene	71-43-2	MSD	21.60	1.30	20	102	79 - 120	RPD 3.65 (Max-30)	
Bromobenzene	108-86-1	MS	22.30	0	20	112	80 - 120		
Bromobenzene	108-86-1	MSD	21.40	0	20	107	80 - 120	RPD 4.13 (Max-30)	
Bromochloromethane	74-97-5	MS	21.30	0	20	106	78 - 123		
Bromochloromethane	74-97-5	MSD	20.60	0	20	103	78 - 123	RPD 3.31 (Max-30)	
Bromodichloromethane	75-27-4	MS	19.40	0	20	96.8	79 - 125		
Bromodichloromethane	75-27-4	MSD	19.10	0	20	95.4	79 - 125	RPD 1.44 (Max-30)	
Bromoform	75-25-2	MS	17.70	0	20	88.6	66 - 130		

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Project AHH130|HS24061330
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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Bromoform	75-25-2	MSD	17.80	0	20	89	66 - 130	RPD 0.44 (Max-30)	
Bromomethane	74-83-9	MS	25.20	0	20	126	53 - 141		
Bromomethane	74-83-9	MSD	24.10	0	20	121	53 - 141	RPD 4.13 (Max-30)	
Carbon Disulfide	75-15-0	MS	22.80	0	20	114	64 - 133		
Carbon Disulfide	75-15-0	MSD	21.20	0	20	106	64 - 133	RPD 7.16 (Max-30)	
Carbon Tetrachloride	56-23-5	MS	20.80	1.20	20	97.8	72 - 136		
Carbon Tetrachloride	56-23-5	MSD	20.30	1.20	20	95.3	72 - 136	RPD 2.44 (Max-30)	
Chlorobenzene	108-90-7	MS	21.50	0	20	107	82 - 118		
Chlorobenzene	108-90-7	MSD	21	0	20	105	82 - 118	RPD 2.11 (Max-30)	
Chlorodibromomethane	124-48-1	MS	18.20	0	20	91	74 - 126		
Chlorodibromomethane	124-48-1	MSD	18.10	0	20	90.3	74 - 126	RPD 0.69 (Max-30)	
Chloroethane	75-00-3	MS	23.50	0	20	117	60 - 138		
Chloroethane	75-00-3	MSD	22.10	0	20	110	60 - 138	RPD 6.23 (Max-30)	
Chloroform	67-66-3	MS	23.90	3.30	20	103	79 - 124		
Chloroform	67-66-3	MSD	23.80	3.30	20	103	79 - 124	RPD 0.41 (Max-30)	
Chloromethane	74-87-3	MS	25.20	0	20	126	50 - 139		
Chloromethane	74-87-3	MSD	24.30	0	20	122	50 - 139	RPD 3.49 (Max-30)	
cis-1,3-Dichloropropene	10061-01-5	MS	18.60	0	20	93.2	75 - 124		
cis-1,3-Dichloropropene	10061-01-5	MSD	18.60	0	20	92.8	75 - 124	RPD 0.51 (Max-30)	
Dibromomethane	74-95-3	MS	21.70	0	20	108	79 - 123		
Dibromomethane	74-95-3	MSD	21	0	20	105	79 - 123	RPD 3.30 (Max-30)	
Dichlorodifluoromethane	75-71-8	MS	27.20	0	20	136	32 - 152		
Dichlorodifluoromethane	75-71-8	MSD	26	0	20	130	32 - 152	RPD 4.53 (Max-30)	
Ethylbenzene	100-41-4	MS	20.40	0	20	102	79 - 121		
Ethylbenzene	100-41-4	MSD	20.10	0	20	101	79 - 121	RPD 1.25 (Max-30)	
Hexachlorobutadiene	87-68-3	MS	20.40	0	20	102	66 - 134		
Hexachlorobutadiene	87-68-3	MSD	20	0	20	99.8	66 - 134	RPD 2.21 (Max-30)	
Isopropylbenzene	98-82-8	MS	25.10	0	20	125	72 - 131		
Isopropylbenzene	98-82-8	MSD	24.30	0	20	122	72 - 131	RPD 3.01 (Max-30)	
mp-Xylene	108383/106423	MS	40	0	40	100	80 - 121		
mp-Xylene	108383/106423	MSD	39.30	0	40	98.3	80 - 121	RPD 1.68 (Max-30)	
Naphthalene	91-20-3	MS	18.70	0	20	93.6	61 - 128		
Naphthalene	91-20-3	MSD	18.30	0	20	91.7	61 - 128	RPD 2.06 (Max-30)	
n-Butylbenzene	104-51-8	MS	22.90	0	20	114	75 - 128		
n-Butylbenzene	104-51-8	MSD	21.80	0	20	109	75 - 128	RPD 4.85 (Max-30)	
n-Propylbenzene	103-65-1	MS	22.90	0	20	114	76 - 126		
n-Propylbenzene	103-65-1	MSD	22.80	0	20	114	76 - 126	RPD 0.49 (Max-30)	
o-Chlorotoluene	95-49-8	MS	24	0	20	120	79 - 122		
o-Chlorotoluene	95-49-8	MSD	23.40	0	20	117	79 - 122	RPD 2.43 (Max-30)	
o-Xylene	95-47-6	MS	19.90	0	20	99.6	78 - 122		
o-Xylene	95-47-6	MSD	19.60	0	20	98	78 - 122	RPD 1.64 (Max-30)	
p-Chlorotoluene	106-43-4	MS	23.70	0	20	119	78 - 122		
p-Chlorotoluene	106-43-4	MSD	23.10	0	20	116	78 - 122	RPD 2.46 (Max-30)	
p-Isopropyltoluene	99-87-6	MS	23.20	0	20	116	77 - 127		
p-Isopropyltoluene	99-87-6	MSD	22.80	0	20	114	77 - 127	RPD 1.87 (Max-30)	
sec-Butylbenzene	135-98-8	MS	24.90	0	20	124	77 - 126		
sec-Butylbenzene	135-98-8	MSD	23.90	0	20	119	77 - 126	RPD 4.27 (Max-30)	
Styrene	100-42-5	MS	21.30	0	20	107	78 - 123		
Styrene	100-42-5	MSD	20.60	0	20	103	78 - 123	RPD 3.40 (Max-30)	

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
tert-Butylbenzene	98-06-6	MS	24.90	0	20	124	78 - 124		
tert-Butylbenzene	98-06-6	MSD	23.50	0	20	117	78 - 124	RPD 5.90 (Max-30)	
Tetrachloroethene	127-18-4	MS	67.70	51.40	20	81.3	74 - 129		
Tetrachloroethene	127-18-4	MSD	66.20	51.40	20	73.8*	74 - 129	RPD 2.24 (Max-30)	
Toluene	108-88-3	MS	21	0.80	20	101	80 - 121		
Toluene	108-88-3	MSD	20.20	0.80	20	97.2	80 - 121	RPD 3.76 (Max-30)	
trans-1,2-Dichloroethene	156-60-5	MS	27.70	0	20	138*	75 - 124		
trans-1,2-Dichloroethene	156-60-5	MSD	25.40	0	20	127*	75 - 124	RPD 8.47 (Max-30)	
trans-1,3-Dichloropropene	10061-02-6	MS	19.50	0	20	97.4	73 - 127		
trans-1,3-Dichloropropene	10061-02-6	MSD	18.90	0	20	94.3	73 - 127	RPD 3.25 (Max-30)	
Trichlorofluoromethane	75-69-4	MS	19.40	0	20	96.8	65 - 141		
Trichlorofluoromethane	75-69-4	MSD	18.30	0	20	91.3	65 - 141	RPD 5.94 (Max-30)	
Vinyl Chloride	75-01-4	MS	109	106	20	NC	58 - 137		
Vinyl Chloride	75-01-4	MSD	102	106	20	NC	58 - 137	RPD 6.20 (Max-30)	

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	MS	34.60	30	115	81 - 118	
1,2-Dichloroethane-d4	17060-07-0	MSD	33.70	30	112	81 - 118	
4-Bromofluorobenzene	460-00-4	MS	29	30	96.6	85 - 114	
4-Bromofluorobenzene	460-00-4	MSD	30	30	99.9	85 - 114	
Dibromofluoromethane	1868-53-7	MS	29.80	30	99.4	80 - 119	
Dibromofluoromethane	1868-53-7	MSD	29.10	30	97	80 - 119	
Toluene-d8	2037-26-5	MS	29.60	30	98.5	89 - 112	
Toluene-d8	2037-26-5	MSD	29.40	30	98.1	89 - 112	

QC Batch

QC Batch	1240942	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples

3366026004	3366026009	3366026010	3366026011
3366026012	3366026019	3366026020	3366026021
3366026022	3366026024		

Method Blank 3848063 (MB) Created on 07/03/2024 09:54 For QC Batch 1240942

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	0.75U	ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	0.75U	ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	0.75U	ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	0.75U	ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	0.75U	ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	0.75U	ug/L	1.0	U

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
1,2,3-Trichlorobenzene	87-61-6	BLK	0.75U	ug/L	1.0	U
1,2,3-Trichloropropane	96-18-4	BLK	2.5U	ug/L	5.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	0.75U	ug/L	1.0	U
1,2,4-Trimethylbenzene	95-63-6	BLK	0.75U	ug/L	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	2.5U	ug/L	5.0	U
1,2-Dibromoethane	106-93-4	BLK	0.75U	ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	0.75U	ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	0.75U	ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	0.75U	ug/L	1.0	U
1,3,5-Trimethylbenzene	108-67-8	BLK	0.75U	ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	0.75U	ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	0.75U	ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	0.75U	ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	0.75U	ug/L	1.0	U
2-Butanone	78-93-3	BLK	3.8U	ug/L	5.0	U
2-Hexanone	591-78-6	BLK	3.8U	ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	3.8U	ug/L	5.0	U
Acetone	67-64-1	BLK	3.8U	ug/L	5.0	U
Benzene	71-43-2	BLK	0.75U	ug/L	1.0	U
Bromobenzene	108-86-1	BLK	0.75U	ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	0.75U	ug/L	1.0	U
Bromodichloromethane	75-27-4	BLK	0.75U	ug/L	1.0	U
Bromoform	75-25-2	BLK	0.75U	ug/L	1.0	U
Bromomethane	74-83-9	BLK	0.75U	ug/L	1.0	U
Carbon Disulfide	75-15-0	BLK	0.75U	ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	0.75U	ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	0.75U	ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	0.75U	ug/L	1.0	U
Chloroethane	75-00-3	BLK	0.75U	ug/L	1.0	U
Chloroform	67-66-3	BLK	0.75U	ug/L	1.0	U
Chloromethane	74-87-3	BLK	0.75U	ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	0.75U	ug/L	1.0	U
cis-1,3-Dichloropropene	10061-01-5	BLK	0.75U	ug/L	1.0	U
Dibromomethane	74-95-3	BLK	0.75U	ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	0.75U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	0.75U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	3.8U	ug/L	5.0	U
Isopropylbenzene	98-82-8	BLK	0.75U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	0.75U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	1.5U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	0.75U	ug/L	1.0	U
n-Butylbenzene	104-51-8	BLK	0.75U	ug/L	1.0	U
n-Propylbenzene	103-65-1	BLK	0.75U	ug/L	1.0	U
o-Chlorotoluene	95-49-8	BLK	0.75U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	0.75U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	0.75U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	0.75U	ug/L	1.0	U
sec-Butylbenzene	135-98-8	BLK	0.75U	ug/L	1.0	U

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	LOQ	Qualifiers
Styrene	100-42-5	BLK	0.75U	ug/L	1.0	U
tert-Butylbenzene	98-06-6	BLK	0.75U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	0.75U	ug/L	1.0	U
Toluene	108-88-3	BLK	0.75U	ug/L	1.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	0.75U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	0.75U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	0.75U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	0.75U	ug/L	1.0	U
Vinyl Chloride	75-01-4	BLK	0.75U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	30	30	99.9	81 - 118	
4-Bromofluorobenzene	460-00-4	BLK	29	30	96.6	85 - 114	
Dibromofluoromethane	1868-53-7	BLK	29.90	30	99.5	80 - 119	
Toluene-d8	2037-26-5	BLK	30.50	30	102	89 - 112	

Lab Control Standard 3848064 (LCS) Created on 07/03/2024 09:54 For QC Batch 1240942

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	21.10		20	105	78 - 124		
1,1,1-Trichloroethane	71-55-6	LCS	20.10		20	100	74 - 131		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	20		20	99.8	71 - 121		
1,1,2-Trichloroethane	79-00-5	LCS	20.60		20	103	80 - 119		
1,1-Dichloroethane	75-34-3	LCS	19.40		20	97.2	77 - 125		
1,1-Dichloroethene	75-35-4	LCS	20.10		20	100	71 - 131		
1,1-Dichloropropene	563-58-6	LCS	19.50		20	97.4	79 - 125		
1,2,3-Trichlorobenzene	87-61-6	LCS	21		20	105	69 - 129		
1,2,3-Trichloropropane	96-18-4	LCS	19.20		20	95.8	73 - 122		
1,2,4-Trichlorobenzene	120-82-1	LCS	23.70		20	119	69 - 130		
1,2,4-Trimethylbenzene	95-63-6	LCS	21.30		20	106	76 - 124		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	19.20		20	95.8	62 - 128		
1,2-Dibromoethane	106-93-4	LCS	20.70		20	104	77 - 121		
1,2-Dichlorobenzene	95-50-1	LCS	21.10		20	105	80 - 119		
1,2-Dichloroethane	107-06-2	LCS	19.40		20	97	73 - 128		
1,2-Dichloropropane	78-87-5	LCS	19.60		20	98.1	78 - 122		
1,3,5-Trimethylbenzene	108-67-8	LCS	21.40		20	107	75 - 124		
1,3-Dichlorobenzene	541-73-1	LCS	21		20	105	80 - 119		
1,3-Dichloropropane	142-28-9	LCS	20.50		20	102	80 - 119		
1,4-Dichlorobenzene	106-46-7	LCS	21.60		20	108	79 - 118		
2,2-Dichloropropane	594-20-7	LCS	21.20		20	106	60 - 139		
2-Butanone	78-93-3	LCS	100		100	100	56 - 143		
2-Hexanone	591-78-6	LCS	101		100	101	57 - 139		

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QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	102		100	102	67 - 130		
Acetone	67-64-1	LCS	106		100	106	39 - 160		
Benzene	71-43-2	LCS	19.30		20	96.3	79 - 120		
Bromobenzene	108-86-1	LCS	21.50		20	107	80 - 120		
Bromochloromethane	74-97-5	LCS	20.90		20	104	78 - 123		
Bromodichloromethane	75-27-4	LCS	20.40		20	102	79 - 125		
Bromoform	75-25-2	LCS	20.30		20	102	66 - 130		
Bromomethane	74-83-9	LCS	18.40		20	92	53 - 141		
Carbon Disulfide	75-15-0	LCS	19.90		20	99.4	64 - 133		
Carbon Tetrachloride	56-23-5	LCS	20.50		20	102	72 - 136		
Chlorobenzene	108-90-7	LCS	20.60		20	103	82 - 118		
Chlorodibromomethane	124-48-1	LCS	21		20	105	74 - 126		
Chloroethane	75-00-3	LCS	20		20	99.9	60 - 138		
Chloroform	67-66-3	LCS	20.10		20	101	79 - 124		
Chloromethane	74-87-3	LCS	17.30		20	86.4	50 - 139		
cis-1,2-Dichloroethene	156-59-2	LCS	19.10		20	95.5	78 - 123		
cis-1,3-Dichloropropene	10061-01-5	LCS	20.90		20	105	75 - 124		
Dibromomethane	74-95-3	LCS	19.80		20	99	79 - 123		
Dichlorodifluoromethane	75-71-8	LCS	20.90		20	105	32 - 152		
Ethylbenzene	100-41-4	LCS	21.30		20	107	79 - 121		
Hexachlorobutadiene	87-68-3	LCS	23		20	115	66 - 134		
Isopropylbenzene	98-82-8	LCS	23.20		20	116	72 - 131		
Methylene Chloride	75-09-2	LCS	19.10		20	95.3	74 - 124		
mp-Xylene	108383/106423	LCS	42.20		40	106	80 - 121		
Naphthalene	91-20-3	LCS	21.50		20	107	61 - 128		
n-Butylbenzene	104-51-8	LCS	21.90		20	110	75 - 128		
n-Propylbenzene	103-65-1	LCS	21.30		20	106	76 - 126		
o-Chlorotoluene	95-49-8	LCS	20.60		20	103	79 - 122		
o-Xylene	95-47-6	LCS	21		20	105	78 - 122		
p-Chlorotoluene	106-43-4	LCS	20.90		20	105	78 - 122		
p-Isopropyltoluene	99-87-6	LCS	21.20		20	106	77 - 127		
sec-Butylbenzene	135-98-8	LCS	21.50		20	108	77 - 126		
Styrene	100-42-5	LCS	21.90		20	109	78 - 123		
tert-Butylbenzene	98-06-6	LCS	21.50		20	108	78 - 124		
Tetrachloroethene	127-18-4	LCS	20.40		20	102	74 - 129		
Toluene	108-88-3	LCS	20		20	99.8	80 - 121		
trans-1,2-Dichloroethene	156-60-5	LCS	19.70		20	98.5	75 - 124		
trans-1,3-Dichloropropene	10061-02-6	LCS	21.70		20	108	73 - 127		
Trichloroethene	79-01-6	LCS	19.40		20	96.8	79 - 123		
Trichlorofluoromethane	75-69-4	LCS	19.80		20	98.9	65 - 141		
Vinyl Chloride	75-01-4	LCS	19.60		20	98.2	58 - 137		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	30	30	99.9	81 - 118	

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Project AHH130|HS24061330
Workorder 3366026

QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
4-Bromofluorobenzene	460-00-4	LCS	31.80	30	106	85 - 114	
Dibromofluoromethane	1868-53-7	LCS	30.20	30	101	80 - 119	
Toluene-d8	2037-26-5	LCS	31.20	30	104	89 - 112	

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Project AHH130|HS24061330
Workorder 3366026

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3366026001	ICT2_062024	N/A	N/A	N/A		SW846 8260D	1236144
3366026002	ICT4_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1236144
3366026003	ICT7_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026004	ICT8_062024	N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1239724
3366026005	ICT11_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1236144
3366026006	ICT12A_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1236144
3366026007	ICT12B_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1236144
3366026008	ICT12C_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026009	ICT12D_062024	N/A	N/A	N/A		SW846 8260D	1239724
		N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1238630
3366026010	ICT12D_062024_a	N/A	N/A	N/A		SW846 8260D	1239724
		N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1238630
3366026011	ICT12E_062024	N/A	N/A	N/A		SW846 8260D	1239724
		N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1238630
3366026012	ICT13A_062024	N/A	N/A	N/A		SW846 8260D	1238630
		N/A	N/A	N/A		SW846 8260D	1240942
3366026013	ICT13B_062024	N/A	N/A	N/A		SW846 8260D	1239724
3366026014	ICT13C_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026015	ICT13D_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026016	ICT13E_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026017	ICT13F_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026018	ICT14A_062024	N/A	N/A	N/A		SW846 8260D	1238630
3366026019	ICT14B_062024	N/A	N/A	N/A		SW846 8260D	1240942
3366026020	ICT14C_062024	N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1239724
3366026021	ICT14D_062024	N/A	N/A	N/A		SW846 8260D	1240942
		N/A	N/A	N/A		SW846 8260D	1239724
3366026022	ICT14E_062024	N/A	N/A	N/A		SW846 8260D	1240942
3366026023	CG-041923-962	N/A	N/A	N/A		SW846 8260D	1236144
3366026024	ICT13D_062024_a	N/A	N/A	N/A		SW846 8260D	1240942

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T: +1 281
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3366026

Logged By: CXW
PM: SSL

Subcontract Chain of Custody

SAMPLING STATE: Texas **COC ID:** 26145

SUBCONTRACT TO:

ALS
301 Fulling Mill Road
Middletown, PA 17057

Phone: +1 717 702 2244

CUSTOMER INFORMATION:

Company:	ALS Houston
Contact:	Luis.Aguilar
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Email:	luis.aguilar@alsglobal.com
Alternate Contact:	Jumoke M. Lawal
Email:	jumoke.lawal@alsglobal.com

INVOICE INFORMATION:

Company:	ALS Houston
Contact:	Accounts Payable
Address:	10450 Stancliff Rd, Ste 210
Phone:	+1 281 530 5656
Reference:	HS24061330
TSR:	Sonia West

	LAB SAMPLE ID	CLIENT SAMPLE ID	ANALYSIS REQUESTED	MATRIX	COLLECT DATE / DUE DATE
1.	HS24061330-01	ICT2_062024	Custom selection	Groundwater	20 Jun 2024 06:40 / 08 Jul 2024
2.	HS24061330-02	ICT4_062024	Custom selection	Groundwater	20 Jun 2024 06:54 / 08 Jul 2024
3.	HS24061330-03	ICT7_062024	Custom selection	Groundwater	20 Jun 2024 07:03 / 08 Jul 2024
4.	HS24061330-04	ICT8_062024	Custom selection	Groundwater	20 Jun 2024 07:12 / 08 Jul 2024
5.	HS24061330-05	ICT11_062024	Custom selection	Groundwater	20 Jun 2024 07:28 / 08 Jul 2024
6.	HS24061330-06	ICT12A_062024	Custom selection	Groundwater	20 Jun 2024 07:38 / 08 Jul 2024
7.	HS24061330-07	ICT12B_062024	Custom selection	Groundwater	20 Jun 2024 07:45 / 08 Jul 2024
8.	HS24061330-08	ICT12C_062024	Custom selection	Groundwater	20 Jun 2024 07:52 / 08 Jul 2024
9.	HS24061330-09	ICT12D_062024		Groundwater	20 Jun 2024 08:00

3-G|HCL per sample
MJE 6/26/24
2-G|HCL
4-G|HCL MS|MSD
3

*1 vial broken in transit. -MJE 6/26/24

100 of 102

7/9/2024 5:18 PM

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26145**

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
	Custom selection			08 Jul 2024
10.	**HS24061330-10**	**ICT12D_062024_a**	**Groundwater**	**20 Jun 2024 08:00**
	Custom selection			08 Jul 2024
11.	**HS24061330-11**	**ICT12E_062024**	**Groundwater**	**20 Jun 2024 08:10**
	Custom selection			08 Jul 2024
12.	**HS24061330-12**	**ICT13A_062024**	**Groundwater**	**20 Jun 2024 08:18**
	Custom selection			08 Jul 2024
13.	**HS24061330-13**	**ICT13B_062024**	**Groundwater**	**20 Jun 2024 08:25**
	Custom selection			08 Jul 2024
14.	**HS24061330-14**	**ICT13C_062024**	**Groundwater**	**20 Jun 2024 08:34**
	Custom selection			08 Jul 2024
15.	**HS24061330-15**	**ICT13D_062024**	**Groundwater**	**20 Jun 2024 08:43**
	Custom selection			08 Jul 2024
16.	**HS24061330-16**	**ICT13D_062024_a**	**Groundwater**	**20 Jun 2024 08:43**
	Custom selection			08 Jul 2024
17.	**HS24061330-17**	**ICT13E_062024**	**Groundwater**	**20 Jun 2024 08:55**
	Custom selection			08 Jul 2024
18.	**HS24061330-18**	**ICT13F_062024**	**Groundwater**	**20 Jun 2024 09:02**
	Custom selection			08 Jul 2024
19.	**HS24061330-19**	**ICT14A_062024**	**Groundwater**	**20 Jun 2024 09:14**
	Custom selection			08 Jul 2024
20.	**HS24061330-20**	**ICT14B_062024**	**Groundwater**	**20 Jun 2024 09:22**
	Custom selection			08 Jul 2024
21.	**HS24061330-21**	**ICT14C_062024**	**Groundwater**	**20 Jun 2024 09:27**
	Custom selection			08 Jul 2024
22.	**HS24061330-22**	**ICT14D_062024**	**Groundwater**	**20 Jun 2024 09:35**
	Custom selection			08 Jul 2024
23.	**HS24061330-23**	**ICT14E_062024**	**Groundwater**	**20 Jun 2024 09:42**
	Custom selection			08 Jul 2024
24.	**HS24061330-24**	**CG-041923-962**	**Water**	**20 Jun 2024 00:00**
	Custom selection			08 Jul 2024

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **26145**

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
ANALYSIS REQUESTED			DUE DATE

Comments: Please analyze for the analysis listed above.
Send report to the emails shown above.

QC Level: DOD IV (DoD Data Package)

Temp By: MJE | WO Temp (°C): 1° | Therm ID: 570

	MJE
Receipt Info Completed By:	
Cooler Custody Seal Intact	Y N (NA)
Sample Custody Seal Intact	Y N (NA)
Received on Ice	(Y) N NA
Cooler & Samples Intact	(Y) N
Correct Containers Provided	(Y) N
Sample Label/COC Agree	(Y) N
Adequate Sample Volumes	Y N (NA)
CR6 Samples Filtered	Y N (NA)
OP Samples Filtered	(Y) N NA
VOA Trip Blank	Y (N)
Ni ≤ 4 Days?	
Rad Screen (uCi)	
Courier/Tracking #: 7388 1923 4761	Y (N)
SDWA Compliance	
PWSID	
WV Containers 0-6°C	Y N (NA)

X No sampler, 6/26, 4 G/HCL MJE 6/26/24

pm notified w/ 6/27/24

Relinquished By: _____ Date/Time: _____

Received By: Fedex Date/Time: _____

Cooler ~~ID~~(s): Fedex ~~Temperature(s):~~ 6/26/24 930

6/26/24 930

102 of 102

7/9/2024 5:18 PM

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

Internal Chain of Custody

Work Order: 3366026

3366026024-A	G - CLEAR GLASS		
Transfer Date	**To Location**	**Transfer Reason**	**Transferred To**
06-26-24 15:19	RECEIVING	LOGIN	Emerich, Michael J.
06-26-24 09:36	*Sample Received At Lab*		

3366026024-B	G - CLEAR GLASS		
Transfer Date	**To Location**	**Transfer Reason**	**Transferred To**
06-26-24 15:19	RECEIVING	LOGIN	Emerich, Michael J.
06-26-24 09:36	*Sample Received At Lab*		

3366026024-C	G - CLEAR GLASS		
Transfer Date	**To Location**	**Transfer Reason**	**Transferred To**
06-26-24 15:19	RECEIVING	LOGIN	Emerich, Michael J.
06-26-24 09:36	*Sample Received At Lab*		

Case Narrative

Case Narrative
AHH-130
(3366026)

Sample Management

This report contains the results of the analysis of twenty-four (24) ground water samples collected on June 20, 2024. Analytical results and quality control information are summarized in this data package.

Sample Receipt

The samples arrived at ALS - Middletown via courier on June 26, 2024. Upon receipt, the samples were inspected and compared to the Chain of Custody. Sample temperature was documented on the enclosed Chain of Custody. The samples were received intact and properly preserved, unless noted on the enclosed Certificate of Analysis and/or Chain of Custody.

Qualifier Symbol Definitions:

U = Qualifier indicates that the analyte was not detected above the LOD.
J = Qualifier indicates that the analyte value is between the DL and the LOQ.
B = Qualifier indicates that the analyte was detected in the blank.
E = Qualifier indicates that the analyte result exceeds the calibration range.
P = Qualifier indicates that the RPD between the two analytical columns is > 40%.
NSC = Qualifier indicates that spike recoveries were not calculated based on the spiking concentration.

Result Symbol Definitions:

DL = The smallest analyte concentration that can be demonstrated to be different from zero or a blank concentration at the 99% level of confidence.
LOD = The smallest analyte concentration that must be present in a sample in order to be detected at a high level of confidence.
LOQ = The lowest concentration that produces a quantitative result within specified limits of precision or bias.

Manual Integration Symbol Definitions

I = Peak was not integrated properly by chromatographic software. This may be due to baseline irregularities resulting from sample matrix, elevated baseline, or incorrect integration by software on a sample. Integration was adjusted by operator to ensure proper quantitation.
H = The incorrect peak was identified or the chromatographic software did not identify an analyte peak. Operator manually identified the correct peak as the appropriate target analyte. This flag is automatically assigned by the Target software.
SP = Peak was erroneously split. The operator manually integrated the peak to include all the area of the analyte peak to ensure proper quantitation.
MP = Two peaks were erroneously merged. This may include two discrete peaks separated by a distinguishable valley or a larger peak with a clearly identifiable shoulder. Operator manually split peaks.
AB = Integration of group of adjacent peaks did not follow baseline. Operator manually assigned integration to follow baseline.
NP = Negative spike in the baseline resulted in overstating area of analyte peaks. Analyte peaks were re-assigned.
AC = Integration of aggregate or multi-component analyte to include area off all components of the analyte (i.e., toxaphene).

Manual Integrations

If manual integrations were performed, they are indicated on the raw data quantification files for each method.

Volatile Organics by SW-846 Method 8260D

Sample Handling. Twenty-four (24) ground water samples were analyzed by SW-846 Method 8260 for volatile organic compounds. All analyses were performed within holding time.

Initial Calibrations Initial calibrations were properly analyzed and met method criteria for all target analytes **Note:** The batch LCS also serves as a second source (ICV).

Continuing Calibration Verification. Continuing Calibration standards were properly analyzed and met method criteria for target analytes.

Blanks. Target analytes were not detected in the method blanks, except for the following:

- 3847311 MB: cis-1,2-Dichloroethene was detected at 0.69 µg/L J.

Surrogates. Recoveries were within control limits.

Laboratory control samples. Target analytes were within control limits.

Spike Sample Matrix. Target analytes were recovered within control limits, except for the following:

- 3847323 MS: 1,1-Dichloroethene, 1,2-Dichloroethane, trans-1,2-Dichloroethene, and Vinyl Chloride were recovered outside the control limits.
- 3847324 MSD: 1,1-Dichloroethene, 1,2-Dichloroethane, Tetrachloroethene, trans-1,2-Dichloroethene, and Vinyl Chloride were recovered outside the control limits.

Internal Standards. One or more internal standards were recovered outside of the control limits. The sample was re-analyzed with similar results.

right solutions.
right partner.

Form 1

Organic Analysis Data Sheet

Volatiles by EPA 8260D

Workorder

3366026

Client

ALS Houston

Project

AHH130|HS24061330

07/10/2024

www.alsglobal.com

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT2_062024

	Collected	Received	Matrix
3366026001	06/20/24 06:40	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 13:27	25240628	2524062811
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 13:27	25240628	2524062811
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,2-Dichloroethane	0.51	J	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 13:27	25240628	2524062811
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 13:27	25240628	2524062811
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 13:27	25240628	2524062811
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 13:27	25240628	2524062811
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT2_062024

	Collected	Received	Matrix
3366026001	06/20/24 06:40	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
cis-1,2-Dichloroethene	6.9		ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	06/28/24 13:27	25240628	2524062811
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	06/28/24 13:27	25240628	2524062811
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Trichloroethene	1.4		ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:27	25240628	2524062811

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT4_062024

	Collected	Received	Matrix
3366026002	06/20/24 06:54	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,1,2-Trichloroethane	0.36	J	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 13:47	25240628	2524062812
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 13:47	25240628	2524062812
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,2-Dichloroethane	50.0		ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 13:47	25240628	2524062812
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 13:47	25240628	2524062812
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 13:47	25240628	2524062812
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 13:47	25240628	2524062812
Benzene	0.60	J	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT4_062024

	Collected	Received	Matrix
3366026002	06/20/24 06:54	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	3.0		ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	06/28/24 13:47	25240628	2524062812
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	06/28/24 13:47	25240628	2524062812
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Tetrachloroethene	0.47	J	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
trans-1,2-Dichloroethene	3.8		ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812
Vinyl Chloride	2.9		ug/L	0.33	0.75	1.0	1	06/28/24 13:47	25240628	2524062812

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT4_062024	Collected	Received	Matrix
3366026002x20	06/20/24 06:54	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
cis-1,2-Dichloroethene	679		ug/L	6.6	15.0	20.0	20	07/01/24 13:17	25240701	2524070111
Trichloroethene	1560		ug/L	6.6	15.0	20.0	20	07/01/24 13:17	25240701	2524070111

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT7_062024

	Collected	Received	Matrix
3366026003	06/20/24 07:03	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 11:35	25240701	2524070106
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 11:35	25240701	2524070106
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 11:35	25240701	2524070106
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 11:35	25240701	2524070106
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 11:35	25240701	2524070106
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 11:35	25240701	2524070106
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT7_062024

	Collected	Received	Matrix
3366026003	06/20/24 07:03	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
cis-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 11:35	25240701	2524070106
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/01/24 11:35	25240701	2524070106
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Trichloroethene	0.86	J	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:35	25240701	2524070106

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT8_062024

	Collected	Received	Matrix
3366026004	06/20/24 07:12	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,1,2-Trichloroethane	0.57	J	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,1-Dichloroethene	67.9		ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 13:33	25240702	2524070211
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 13:33	25240702	2524070211
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,2-Dichloroethane	20.7		ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 13:33	25240702	2524070211
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 13:33	25240702	2524070211
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 13:33	25240702	2524070211
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 13:33	25240702	2524070211
Benzene	1.3		ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT8_062024

	Collected	Received	Matrix
3366026004	06/20/24 07:12	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	1.2		ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Chloroform	3.3		ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/02/24 13:33	25240702	2524070211
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/02/24 13:33	25240702	2524070211
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Tetrachloroethene	51.4		ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Toluene	0.80	J	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211
Vinyl Chloride	106		ug/L	0.33	0.75	1.0	1	07/02/24 13:33	25240702	2524070211

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130		3366026

Volatiles by EPA 8260D

ICT8_062024

	Collected	Received	Matrix
3366026004x50	06/20/24 07:12	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
cis-1,2-Dichloroethene	1820		ug/L	16.5	37.5	50.0	50	07/03/24 13:30	23240703	2324070311
Methylene Chloride	1220		ug/L	16.5	37.5	50.0	50	07/03/24 13:30	23240703	2324070311
Trichloroethene	1400		ug/L	16.5	37.5	50.0	50	07/03/24 13:30	23240703	2324070311

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT11_062024

	Collected	Received	Matrix
3366026005	06/20/24 07:28	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,1-Dichloroethene	0.66	J	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 14:28	25240628	2524062814
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 14:28	25240628	2524062814
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 14:28	25240628	2524062814
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 14:28	25240628	2524062814
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 14:28	25240628	2524062814
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 14:28	25240628	2524062814
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT11_062024	Collected	Received	Matrix
3366026005	06/20/24 07:28	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.68	J	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Chloroform	1.1		ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
cis-1,2-Dichloroethene	25.6		ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	06/28/24 14:28	25240628	2524062814
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	06/28/24 14:28	25240628	2524062814
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
trans-1,2-Dichloroethene	0.42	J	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814
Vinyl Chloride	0.47	J	ug/L	0.33	0.75	1.0	1	06/28/24 14:28	25240628	2524062814

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT11_062024	Collected	Received	Matrix
3366026005x5	06/20/24 07:28	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Trichloroethene	218		ug/L	1.7	3.8	5.0	5	07/01/24 13:37	25240701	2524070112

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12A_062024

	Collected	Received	Matrix
3366026006	06/20/24 07:38	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,1-Dichloroethene	1.9		ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 14:48	25240628	2524062815
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 14:48	25240628	2524062815
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 14:48	25240628	2524062815
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 14:48	25240628	2524062815
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 14:48	25240628	2524062815
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 14:48	25240628	2524062815
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12A_062024

	Collected	Received	Matrix
3366026006	06/20/24 07:38	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Chloroform	2.8		ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
cis-1,2-Dichloroethene	53.7		ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	06/28/24 14:48	25240628	2524062815
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	06/28/24 14:48	25240628	2524062815
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Styrene	0.64	J	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
trans-1,2-Dichloroethene	0.51	J	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815
Vinyl Chloride	0.36	J	ug/L	0.33	0.75	1.0	1	06/28/24 14:48	25240628	2524062815

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130		3366026

Volatiles by EPA 8260D

ICT12A_062024	Collected	Received	Matrix
3366026006x10	06/20/24 07:38	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Trichloroethene	496		ug/L	3.3	7.5	10.0	10	07/01/24 13:58	25240701	2524070113

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12B_062024

	Collected	Received	Matrix
3366026007	06/20/24 07:45	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 15:09	25240628	2524062816
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 15:09	25240628	2524062816
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 15:09	25240628	2524062816
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 15:09	25240628	2524062816
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 15:09	25240628	2524062816
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 15:09	25240628	2524062816
Benzene	1.2		ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12B_062024

	Collected	Received	Matrix
3366026007	06/20/24 07:45	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	34.2		ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Chloroform	35.4		ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Chloromethane	0.33	J	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
cis-1,2-Dichloroethene	105		ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	06/28/24 15:09	25240628	2524062816
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	06/28/24 15:09	25240628	2524062816
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Tetrachloroethene	2.4		ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
trans-1,2-Dichloroethene	0.80	J	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 15:09	25240628	2524062816

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT12B_062024	Collected	Received	Matrix
3366026007x100	06/20/24 07:45	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Trichloroethene	5290		ug/L	33.0	75.0	100	100	07/01/24 14:18	25240701	2524070114

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12C_062024

	Collected	Received	Matrix
3366026008	06/20/24 07:52	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,1,1-Trichloroethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,1,2,2-Tetrachloroethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,1,2-Trichloroethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,1-Dichloroethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,1-Dichloroethene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,1-Dichloropropene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,2,3-Trichlorobenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,2,3-Trichloropropane	50.0	U	ug/L	32.0	50.0	100	20	07/01/24 14:39	25240701	2524070115
1,2,4-Trichlorobenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,2,4-Trimethylbenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,2-Dibromo-3-chloropropane	50.0	U	ug/L	32.0	50.0	100	20	07/01/24 14:39	25240701	2524070115
1,2-Dibromoethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,2-Dichlorobenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,2-Dichloroethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,2-Dichloropropane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,3,5-Trimethylbenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,3-Dichlorobenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,3-Dichloropropane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
1,4-Dichlorobenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
2,2-Dichloropropane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
2-Butanone	75.0	U	ug/L	32.0	75.0	100	20	07/01/24 14:39	25240701	2524070115
2-Hexanone	75.0	U	ug/L	32.0	75.0	100	20	07/01/24 14:39	25240701	2524070115
4-Methyl-2-Pentanone(MIBK)	75.0	U	ug/L	32.0	75.0	100	20	07/01/24 14:39	25240701	2524070115
Acetone	75.0	U	ug/L	32.0	75.0	100	20	07/01/24 14:39	25240701	2524070115
Benzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Bromobenzene	15.0	U	ug/L	4.0	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Bromochloromethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Bromodichloromethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Bromoform	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Bromomethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Carbon Disulfide	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12C_062024

	Collected	Received	Matrix
3366026008	06/20/24 07:52	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Chlorobenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Chlorodibromomethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Chloroethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Chloroform	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Chloromethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
cis-1,2-Dichloroethene	183		ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
cis-1,3-Dichloropropene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Dibromomethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Dichlorodifluoromethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Ethylbenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Hexachlorobutadiene	75.0	U	ug/L	8.6	75.0	100	20	07/01/24 14:39	25240701	2524070115
Isopropylbenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Methylene Chloride	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
mp-Xylene	30.0	U	ug/L	13.2	30.0	40.0	20	07/01/24 14:39	25240701	2524070115
Naphthalene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
n-Butylbenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
n-Propylbenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
o-Chlorotoluene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
o-Xylene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
p-Chlorotoluene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
p-Isopropyltoluene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
sec-Butylbenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Styrene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
tert-Butylbenzene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Tetrachloroethene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Toluene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
trans-1,2-Dichloroethene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
trans-1,3-Dichloropropene	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Trichloroethene	1030		ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Trichlorofluoromethane	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115
Vinyl Chloride	15.0	U	ug/L	6.6	15.0	20.0	20	07/01/24 14:39	25240701	2524070115

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12D_062024

	Collected	Received	Matrix
3366026009	06/20/24 08:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,1,2-Trichloroethane	2.9		ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,1-Dichloroethane	22.1		ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 14:59	25240701	2524070116
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,2,4-Trimethylbenzene	0.95	J	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 14:59	25240701	2524070116
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,2-Dichlorobenzene	0.53	J	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,2-Dichloroethane	158		ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,3,5-Trimethylbenzene	0.40	J	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 14:59	25240701	2524070116
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 14:59	25240701	2524070116
4-Methyl-2-Pentanone(MIBK)	2.5	J	ug/L	1.6	3.8	5.0	1	07/01/24 14:59	25240701	2524070116
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 14:59	25240701	2524070116
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12D_062024

	Collected	Received	Matrix
3366026009	06/20/24 08:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Chloroform	15.0		ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Ethylbenzene	12.0		ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 14:59	25240701	2524070116
Isopropylbenzene	0.36	J	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
mp-Xylene	2.3		ug/L	0.66	1.5	2.0	1	07/01/24 14:59	25240701	2524070116
Naphthalene	0.93	J	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
o-Xylene	1.8		ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Styrene	0.78	J	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Tetrachloroethene	11.3		ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Toluene	8.2		ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
trans-1,2-Dichloroethene	18.7		ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 14:59	25240701	2524070116

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT12D_062024	Collected	Received	Matrix
3366026009x100	06/20/24 08:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1-Dichloroethene	156		ug/L	33.0	75.0	100	100	07/02/24 13:12	25240702	2524070210
Methylene Chloride	1670		ug/L	33.0	75.0	100	100	07/02/24 13:12	25240702	2524070210
Trichloroethene	10900		ug/L	33.0	75.0	100	100	07/02/24 13:12	25240702	2524070210
Vinyl Chloride	364		ug/L	33.0	75.0	100	100	07/02/24 13:12	25240702	2524070210

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12D_062024	Collected	Received	Matrix
3366026009x500	06/20/24 08:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
cis-1,2-Dichloroethene	21900		ug/L	165	375	500	500	07/03/24 14:29	23240703	2324070314

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12D_062024_a

	Collected	Received	Matrix
3366026010	06/20/24 08:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,1,1-Trichloroethane	1.1		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,1,2-Trichloroethane	2.5		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,1-Dichloroethane	19.4		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 15:19	25240701	2524070117
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,2,4-Trimethylbenzene	0.99	J	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 15:19	25240701	2524070117
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,2-Dichlorobenzene	0.46	J	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,2-Dichloroethane	143		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,3,5-Trimethylbenzene	0.41	J	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 15:19	25240701	2524070117
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 15:19	25240701	2524070117
4-Methyl-2-Pentanone(MIBK)	2.2	J	ug/L	1.6	3.8	5.0	1	07/01/24 15:19	25240701	2524070117
Acetone	12.5		ug/L	1.6	3.8	5.0	1	07/01/24 15:19	25240701	2524070117
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12D_062024_a

	Collected	Received	Matrix
3366026010	06/20/24 08:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Chloroform	14.4		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Ethylbenzene	10.1		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 15:19	25240701	2524070117
Isopropylbenzene	0.37	J	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
mp-Xylene	2.2		ug/L	0.66	1.5	2.0	1	07/01/24 15:19	25240701	2524070117
Naphthalene	0.89	J	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
o-Xylene	1.7		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Styrene	0.66	J	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Tetrachloroethene	9.5		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Toluene	7.1		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
trans-1,2-Dichloroethene	17.8		ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:19	25240701	2524070117

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130		3366026

Volatiles by EPA 8260D

ICT12D_062024_a	Collected	Received	Matrix
3366026010x100	06/20/24 08:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Methylene Chloride	2170		ug/L	33.0	75.0	100	100	07/02/24 12:52	25240702	2524070209
Trichloroethene	11600		ug/L	33.0	75.0	100	100	07/02/24 12:52	25240702	2524070209
Vinyl Chloride	534		ug/L	33.0	75.0	100	100	07/02/24 12:52	25240702	2524070209

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT12D_062024_a	Collected	Received	Matrix
3366026010x500	06/20/24 08:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
cis-1,2-Dichloroethene	21700		ug/L	165	375	500	500	07/03/24 14:49	23240703	2324070315

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12E_062024

	Collected	Received	Matrix
3366026011	06/20/24 08:10	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,1,1-Trichloroethane	5.9		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,1,2-Trichloroethane	4.8		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,1-Dichloroethane	45.1		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 15:40	25240701	2524070118
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,2,4-Trimethylbenzene	1.7		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 15:40	25240701	2524070118
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,2-Dichlorobenzene	0.81	J	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,3,5-Trimethylbenzene	0.57	J	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 15:40	25240701	2524070118
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 15:40	25240701	2524070118
4-Methyl-2-Pentanone(MIBK)	1.9	J	ug/L	1.6	3.8	5.0	1	07/01/24 15:40	25240701	2524070118
Acetone	32.1		ug/L	1.6	3.8	5.0	1	07/01/24 15:40	25240701	2524070118
Benzene	3.3		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT12E_062024

	Collected	Received	Matrix
3366026011	06/20/24 08:10	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Chloroform	25.3		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Ethylbenzene	2.7		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 15:40	25240701	2524070118
Isopropylbenzene	0.46	J	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
mp-Xylene	3.7		ug/L	0.66	1.5	2.0	1	07/01/24 15:40	25240701	2524070118
Naphthalene	1.5		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
o-Xylene	3.4		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Styrene	7.2		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Tetrachloroethene	7.7		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Toluene	6.9		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
trans-1,2-Dichloroethene	23.0		ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 15:40	25240701	2524070118

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT12E_062024	Collected	Received	Matrix
3366026011x100	06/20/24 08:10	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1-Dichloroethene	340		ug/L	33.0	75.0	100	100	07/02/24 12:31	25240702	2524070208
Methylene Chloride	205		ug/L	33.0	75.0	100	100	07/02/24 12:31	25240702	2524070208
Vinyl Chloride	161		ug/L	33.0	75.0	100	100	07/02/24 12:31	25240702	2524070208

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT12E_062024	Collected	Received	Matrix
3366026011x500	06/20/24 08:10	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
cis-1,2-Dichloroethene	17900		ug/L	165	375	500	500	07/03/24 15:09	23240703	2324070316
Trichloroethene	18200		ug/L	165	375	500	500	07/03/24 15:09	23240703	2324070316

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13A_062024	Collected	Received	Matrix
3366026012	06/20/24 08:18	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,1-Dichloroethene	7.8		ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 16:00	25240701	2524070119
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 16:00	25240701	2524070119
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,2-Dichloroethane	8.6		ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 16:00	25240701	2524070119
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 16:00	25240701	2524070119
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 16:00	25240701	2524070119
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 16:00	25240701	2524070119
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13A_062024

	Collected	Received	Matrix
3366026012	06/20/24 08:18	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Chloromethane	0.38	J	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 16:00	25240701	2524070119
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Methylene Chloride	1.6		ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/01/24 16:00	25240701	2524070119
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Styrene	0.65	J	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Tetrachloroethene	2.5		ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
trans-1,2-Dichloroethene	1.1		ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119
Vinyl Chloride	1.3		ug/L	0.33	0.75	1.0	1	07/01/24 16:00	25240701	2524070119

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT13A_062024	Collected	Received	Matrix
3366026012x5	06/20/24 08:18	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
cis-1,2-Dichloroethene	38.1		ug/L	1.7	3.8	5.0	5	07/03/24 13:10	23240703	2324070310
Trichloroethene	375		ug/L	1.7	3.8	5.0	5	07/03/24 13:10	23240703	2324070310

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13B_062024

	Collected	Received	Matrix
3366026013	06/20/24 08:25	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 11:50	25240702	2524070206
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 11:50	25240702	2524070206
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 11:50	25240702	2524070206
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 11:50	25240702	2524070206
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 11:50	25240702	2524070206
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 11:50	25240702	2524070206
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13B_062024

	Collected	Received	Matrix
3366026013	06/20/24 08:25	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
cis-1,2-Dichloroethene	1.3		ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/02/24 11:50	25240702	2524070206
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/02/24 11:50	25240702	2524070206
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Trichloroethene	8.4		ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:50	25240702	2524070206

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13C_062024

	Collected	Received	Matrix
3366026014	06/20/24 08:34	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 16:41	25240701	2524070121
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 16:41	25240701	2524070121
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 16:41	25240701	2524070121
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 16:41	25240701	2524070121
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 16:41	25240701	2524070121
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 16:41	25240701	2524070121
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13C_062024

	Collected	Received	Matrix
3366026014	06/20/24 08:34	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
cis-1,2-Dichloroethene	7.6		ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 16:41	25240701	2524070121
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/01/24 16:41	25240701	2524070121
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Trichloroethene	14.6		ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 16:41	25240701	2524070121

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13D_062024

	Collected	Received	Matrix
3366026015	06/20/24 08:43	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 17:01	25240701	2524070122
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 17:01	25240701	2524070122
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:01	25240701	2524070122
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:01	25240701	2524070122
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:01	25240701	2524070122
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:01	25240701	2524070122
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13D_062024

	Collected	Received	Matrix
3366026015	06/20/24 08:43	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
cis-1,2-Dichloroethene	21.5		ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 17:01	25240701	2524070122
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/01/24 17:01	25240701	2524070122
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Trichloroethene	27.7		ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:01	25240701	2524070122

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13E_062024

	Collected	Received	Matrix
3366026016	06/20/24 08:55	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 17:22	25240701	2524070123
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 17:22	25240701	2524070123
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:22	25240701	2524070123
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:22	25240701	2524070123
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:22	25240701	2524070123
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:22	25240701	2524070123
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13E_062024

	Collected	Received	Matrix
3366026016	06/20/24 08:55	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
cis-1,2-Dichloroethene	4.9		ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 17:22	25240701	2524070123
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/01/24 17:22	25240701	2524070123
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Trichloroethene	8.1		ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:22	25240701	2524070123

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13F_062024

	Collected	Received	Matrix
3366026017	06/20/24 09:02	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 17:42	25240701	2524070124
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 17:42	25240701	2524070124
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:42	25240701	2524070124
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:42	25240701	2524070124
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:42	25240701	2524070124
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 17:42	25240701	2524070124
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13F_062024

	Collected	Received	Matrix
3366026017	06/20/24 09:02	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
cis-1,2-Dichloroethene	2.7		ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 17:42	25240701	2524070124
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/01/24 17:42	25240701	2524070124
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Trichloroethene	3.1		ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 17:42	25240701	2524070124

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14A_062024

	Collected	Received	Matrix
3366026018	06/20/24 09:14	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 18:03	25240701	2524070125
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 18:03	25240701	2524070125
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 18:03	25240701	2524070125
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 18:03	25240701	2524070125
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 18:03	25240701	2524070125
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 18:03	25240701	2524070125
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14A_062024

	Collected	Received	Matrix
3366026018	06/20/24 09:14	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
cis-1,2-Dichloroethene	20.8		ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 18:03	25240701	2524070125
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/01/24 18:03	25240701	2524070125
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Trichloroethene	14.7		ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125
Vinyl Chloride	0.84	J	ug/L	0.33	0.75	1.0	1	07/01/24 18:03	25240701	2524070125

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14B_062024

	Collected	Received	Matrix
3366026019	06/20/24 09:22	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,1-Dichloroethane	0.71	J	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,1-Dichloroethene	3.3		ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/03/24 12:10	23240703	2324070307
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/03/24 12:10	23240703	2324070307
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 12:10	23240703	2324070307
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 12:10	23240703	2324070307
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 12:10	23240703	2324070307
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 12:10	23240703	2324070307
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14B_062024

	Collected	Received	Matrix
3366026019	06/20/24 09:22	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Chloroform	0.38	J	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
cis-1,2-Dichloroethene	13.3		ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/03/24 12:10	23240703	2324070307
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/03/24 12:10	23240703	2324070307
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
trans-1,2-Dichloroethene	0.50	J	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Trichloroethene	86.1		ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307
Vinyl Chloride	2.6		ug/L	0.33	0.75	1.0	1	07/03/24 12:10	23240703	2324070307

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14C_062024

	Collected	Received	Matrix
3366026020	06/20/24 09:27	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,1,2,2-Tetrachloroethane	0.72	J	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,1,2-Trichloroethane	3.3		ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,1-Dichloroethene	190		ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 14:13	25240702	2524070213
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 14:13	25240702	2524070213
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 14:13	25240702	2524070213
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 14:13	25240702	2524070213
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 14:13	25240702	2524070213
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 14:13	25240702	2524070213
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14C_062024

	Collected	Received	Matrix
3366026020	06/20/24 09:27	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Chloroform	22.7		ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/02/24 14:13	25240702	2524070213
Isopropylbenzene	0.36	J	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/02/24 14:13	25240702	2524070213
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
o-Xylene	0.79	J	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Tetrachloroethene	10.7		ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Toluene	0.89	J	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
trans-1,2-Dichloroethene	43.8		ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:13	25240702	2524070213

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT14C_062024	Collected	Received	Matrix
3366026020x100	06/20/24 09:27	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
cis-1,2-Dichloroethene	7230		ug/L	33.0	75.0	100	100	07/03/24 13:50	23240703	2324070312
Trichloroethene	6000		ug/L	33.0	75.0	100	100	07/03/24 13:50	23240703	2324070312
Vinyl Chloride	768		ug/L	33.0	75.0	100	100	07/03/24 13:50	23240703	2324070312

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14D_062024

	Collected	Received	Matrix
3366026021	06/20/24 09:35	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,1,2,2-Tetrachloroethane	5.0		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,1,2-Trichloroethane	5.2		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 14:34	25240702	2524070214
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,2,4-Trimethylbenzene	1.1		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 14:34	25240702	2524070214
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,3,5-Trimethylbenzene	0.41	J	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 14:34	25240702	2524070214
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 14:34	25240702	2524070214
4-Methyl-2-Pentanone(MIBK)	3.3	J	ug/L	1.6	3.8	5.0	1	07/02/24 14:34	25240702	2524070214
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 14:34	25240702	2524070214
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14D_062024

	Collected	Received	Matrix
3366026021	06/20/24 09:35	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Chloroform	20.6		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Ethylbenzene	12.4		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/02/24 14:34	25240702	2524070214
Isopropylbenzene	0.50	J	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
mp-Xylene	3.8		ug/L	0.66	1.5	2.0	1	07/02/24 14:34	25240702	2524070214
Naphthalene	1.4		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
o-Xylene	2.5		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Tetrachloroethene	20.8		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Toluene	9.7		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
trans-1,2-Dichloroethene	105		ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 14:34	25240702	2524070214

Form 1 - Organic Analysis Data Sheet

Client	ALS Houston	Workorder	
Project	HS24061330 - AHH130	**3366026**	

Volatiles by EPA 8260D

ICT14D_062024

	Collected	Received	Matrix
3366026021x100	06/20/24 09:35	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1-Dichloroethene	75.0	U	ug/L	33.0	75.0	100	100	07/03/24 14:09	23240703	2324070313
cis-1,2-Dichloroethene	9530		ug/L	33.0	75.0	100	100	07/03/24 14:09	23240703	2324070313
Methylene Chloride	6000		ug/L	33.0	75.0	100	100	07/03/24 14:09	23240703	2324070313
Trichloroethene	2190		ug/L	33.0	75.0	100	100	07/03/24 14:09	23240703	2324070313
Vinyl Chloride	3060		ug/L	33.0	75.0	100	100	07/03/24 14:09	23240703	2324070313

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14E_062024

	Collected	Received	Matrix
3366026022	06/20/24 09:42	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,1,1-Trichloroethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,1,2,2-Tetrachloroethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,1,2-Trichloroethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,1-Dichloroethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,1-Dichloroethene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,1-Dichloropropene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,2,3-Trichlorobenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,2,3-Trichloropropane	12.5	U	ug/L	8.0	12.5	25.0	5	07/03/24 12:50	23240703	2324070309
1,2,4-Trichlorobenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,2,4-Trimethylbenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,2-Dibromo-3-chloropropane	12.5	U	ug/L	8.0	12.5	25.0	5	07/03/24 12:50	23240703	2324070309
1,2-Dibromoethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,2-Dichlorobenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,2-Dichloroethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,2-Dichloropropane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,3,5-Trimethylbenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,3-Dichlorobenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,3-Dichloropropane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
1,4-Dichlorobenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
2,2-Dichloropropane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
2-Butanone	18.8	U	ug/L	8.0	18.8	25.0	5	07/03/24 12:50	23240703	2324070309
2-Hexanone	18.8	U	ug/L	8.0	18.8	25.0	5	07/03/24 12:50	23240703	2324070309
4-Methyl-2-Pentanone(MIBK)	18.8	U	ug/L	8.0	18.8	25.0	5	07/03/24 12:50	23240703	2324070309
Acetone	18.8	U	ug/L	8.0	18.8	25.0	5	07/03/24 12:50	23240703	2324070309
Benzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Bromobenzene	3.8	U	ug/L	1.0	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Bromochloromethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Bromodichloromethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Bromoform	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Bromomethane	2.7	J	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Carbon Disulfide	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT14E_062024

	Collected	Received	Matrix
3366026022	06/20/24 09:42	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Chlorobenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Chlorodibromomethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Chloroethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Chloroform	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Chloromethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
cis-1,2-Dichloroethene	7.5		ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
cis-1,3-Dichloropropene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Dibromomethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Dichlorodifluoromethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Ethylbenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Hexachlorobutadiene	18.8	U	ug/L	2.2	18.8	25.0	5	07/03/24 12:50	23240703	2324070309
Isopropylbenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Methylene Chloride	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
mp-Xylene	7.5	U	ug/L	3.3	7.5	10.0	5	07/03/24 12:50	23240703	2324070309
Naphthalene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
n-Butylbenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
n-Propylbenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
o-Chlorotoluene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
o-Xylene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
p-Chlorotoluene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
p-Isopropyltoluene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
sec-Butylbenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Styrene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
tert-Butylbenzene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Tetrachloroethene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Toluene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
trans-1,2-Dichloroethene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
trans-1,3-Dichloropropene	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Trichloroethene	448		ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Trichlorofluoromethane	3.8	U	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309
Vinyl Chloride	2.2	J	ug/L	1.7	3.8	5.0	5	07/03/24 12:50	23240703	2324070309

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

CG-041923-962

	Collected	Received	Matrix
3366026023	06/20/24 00:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 12:05	25240628	2524062806
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 12:05	25240628	2524062806
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 12:05	25240628	2524062806
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 12:05	25240628	2524062806
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 12:05	25240628	2524062806
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 12:05	25240628	2524062806
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

CG-041923-962

	Collected	Received	Matrix
3366026023	06/20/24 00:00	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
cis-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	06/28/24 12:05	25240628	2524062806
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Methylene Chloride	0.46	J	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	06/28/24 12:05	25240628	2524062806
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Trichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Trichlorofluoromethane	2.3		ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 12:05	25240628	2524062806

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13D_062024_a	Collected	Received	Matrix
3366026024	06/20/24 08:43	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/03/24 12:30	23240703	2324070308
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/03/24 12:30	23240703	2324070308
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 12:30	23240703	2324070308
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 12:30	23240703	2324070308
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 12:30	23240703	2324070308
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 12:30	23240703	2324070308
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT13D_062024_a

	Collected	Received	Matrix
3366026024	06/20/24 08:43	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Chloromethane	0.41	J	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
cis-1,2-Dichloroethene	10.2		ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/03/24 12:30	23240703	2324070308
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/03/24 12:30	23240703	2324070308
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Trichloroethene	16.4		ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 12:30	23240703	2324070308

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

MB for HBN 1236144 [VOMS/73650

3845975

Matrix

WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 11:24	25240628	2524062804
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	06/28/24 11:24	25240628	2524062804
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 11:24	25240628	2524062804
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 11:24	25240628	2524062804
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 11:24	25240628	2524062804
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	06/28/24 11:24	25240628	2524062804
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

MB for HBN 1236144 [VOMS/73650

3845975

Matrix

WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
cis-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	06/28/24 11:24	25240628	2524062804
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	06/28/24 11:24	25240628	2524062804
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Trichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	06/28/24 11:24	25240628	2524062804

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

LCS for HBN 1236144 [VOMS/7365

3845976

Matrix: WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	19.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,1,1-Trichloroethane	21.5		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,1,2,2-Tetrachloroethane	21.6		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,1,2-Trichloroethane	20.7		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,1-Dichloroethane	20.8		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,1-Dichloroethene	21.5		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,1-Dichloropropene	20.6		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,2,3-Trichlorobenzene	19.5		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,2,3-Trichloropropane	21.2		ug/L	1.6	2.5	5.0	1	06/28/24 10:23	25240628	2524062802
1,2,4-Trichlorobenzene	24.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,2,4-Trimethylbenzene	20.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,2-Dibromo-3-chloropropane	18.9		ug/L	1.6	2.5	5.0	1	06/28/24 10:23	25240628	2524062802
1,2-Dibromoethane	19		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,2-Dichlorobenzene	21.9		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,2-Dichloroethane	19.7		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,2-Dichloropropane	20.8		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,3,5-Trimethylbenzene	21.2		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,3-Dichlorobenzene	22.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,3-Dichloropropane	21.6		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
1,4-Dichlorobenzene	21.8		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
2,2-Dichloropropane	21.3		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
2-Butanone	104		ug/L	1.6	3.8	5.0	1	06/28/24 10:23	25240628	2524062802
2-Hexanone	103		ug/L	1.6	3.8	5.0	1	06/28/24 10:23	25240628	2524062802
4-Methyl-2-Pentanone(MIBK)	104		ug/L	1.6	3.8	5.0	1	06/28/24 10:23	25240628	2524062802
Acetone	108		ug/L	1.6	3.8	5.0	1	06/28/24 10:23	25240628	2524062802
Benzene	19.9		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Bromobenzene	20.1		ug/L	0.20	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Bromochloromethane	21.2		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Bromodichloromethane	18.8		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Bromoform	18.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Bromomethane	20		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Carbon Disulfide	21.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

LCS for HBN 1236144 [VOMS/7365

3845976

Matrix: WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	17.4		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Chlorobenzene	20.6		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Chlorodibromomethane	18.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Chloroethane	20.3		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Chloroform	20.8		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Chloromethane	20.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
cis-1,2-Dichloroethene	21.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
cis-1,3-Dichloropropene	18.9		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Dibromomethane	20.2		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Dichlorodifluoromethane	20.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Ethylbenzene	19.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Hexachlorobutadiene	22.7		ug/L	0.43	3.8	5.0	1	06/28/24 10:23	25240628	2524062802
Isopropylbenzene	24.2		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Methylene Chloride	21.4		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
mp-Xylene	38.9		ug/L	0.66	1.5	2.0	1	06/28/24 10:23	25240628	2524062802
Naphthalene	19.9		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
n-Butylbenzene	21.3		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
n-Propylbenzene	21.1		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
o-Chlorotoluene	21.4		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
o-Xylene	19.3		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
p-Chlorotoluene	22.4		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
p-Isopropyltoluene	21.8		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
sec-Butylbenzene	22.9		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Styrene	21.2		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
tert-Butylbenzene	22.5		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Tetrachloroethene	20.2		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Toluene	19.6		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
trans-1,2-Dichloroethene	21.5		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
trans-1,3-Dichloropropene	19.6		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Trichloroethene	20.2		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Trichlorofluoromethane	19.3		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802
Vinyl Chloride	19.7		ug/L	0.33	0.75	1.0	1	06/28/24 10:23	25240628	2524062802

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

MB for HBN 1238630 [VOMS/73674

3846765

Matrix

WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 11:15	25240701	2524070105
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/01/24 11:15	25240701	2524070105
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 11:15	25240701	2524070105
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 11:15	25240701	2524070105
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 11:15	25240701	2524070105
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/01/24 11:15	25240701	2524070105
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

MB for HBN 1238630 [VOMS/73674

3846765

Matrix

WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
cis-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/01/24 11:15	25240701	2524070105
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/01/24 11:15	25240701	2524070105
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Trichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/01/24 11:15	25240701	2524070105

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

LCS for HBN 1238630 [VOMS/7367

3846766

Matrix: WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	19.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,1,1-Trichloroethane	21.7		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,1,2,2-Tetrachloroethane	20.9		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,1,2-Trichloroethane	20.4		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,1-Dichloroethane	20.3		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,1-Dichloroethene	20.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,1-Dichloropropene	20		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,2,3-Trichlorobenzene	18.1		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,2,3-Trichloropropane	20.4		ug/L	1.6	2.5	5.0	1	07/01/24 09:53	25240701	2524070102
1,2,4-Trichlorobenzene	22.5		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,2,4-Trimethylbenzene	20.1		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,2-Dibromo-3-chloropropane	16.6		ug/L	1.6	2.5	5.0	1	07/01/24 09:53	25240701	2524070102
1,2-Dibromoethane	19.1		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,2-Dichlorobenzene	21.2		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,2-Dichloroethane	19.4		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,2-Dichloropropane	20.2		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,3,5-Trimethylbenzene	21.2		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,3-Dichlorobenzene	21.7		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,3-Dichloropropane	20.9		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
1,4-Dichlorobenzene	21.4		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
2,2-Dichloropropane	21.1		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
2-Butanone	97.8		ug/L	1.6	3.8	5.0	1	07/01/24 09:53	25240701	2524070102
2-Hexanone	89.6		ug/L	1.6	3.8	5.0	1	07/01/24 09:53	25240701	2524070102
4-Methyl-2-Pentanone(MIBK)	90.8		ug/L	1.6	3.8	5.0	1	07/01/24 09:53	25240701	2524070102
Acetone	101		ug/L	1.6	3.8	5.0	1	07/01/24 09:53	25240701	2524070102
Benzene	19.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Bromobenzene	21.2		ug/L	0.20	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Bromochloromethane	21.8		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Bromodichloromethane	18.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Bromoform	17.2		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Bromomethane	19.5		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Carbon Disulfide	20.8		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

LCS for HBN 1238630 [VOMS/7367

	Matrix
3846766	WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	18.2		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Chlorobenzene	20.7		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Chlorodibromomethane	18.1		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Chloroethane	19.1		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Chloroform	20.8		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Chloromethane	19		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
cis-1,2-Dichloroethene	20.5		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
cis-1,3-Dichloropropene	18.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Dibromomethane	20.7		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Dichlorodifluoromethane	19.5		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Ethylbenzene	19.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Hexachlorobutadiene	21		ug/L	0.43	3.8	5.0	1	07/01/24 09:53	25240701	2524070102
Isopropylbenzene	22.7		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Methylene Chloride	20.2		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
mp-Xylene	39		ug/L	0.66	1.5	2.0	1	07/01/24 09:53	25240701	2524070102
Naphthalene	18		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
n-Butylbenzene	21.2		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
n-Propylbenzene	21.7		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
o-Chlorotoluene	21.4		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
o-Xylene	19.5		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
p-Chlorotoluene	21.8		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
p-Isopropyltoluene	21.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
sec-Butylbenzene	22.4		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Styrene	19.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
tert-Butylbenzene	22.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Tetrachloroethene	20.7		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Toluene	19.6		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
trans-1,2-Dichloroethene	20		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
trans-1,3-Dichloropropene	18.9		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Trichloroethene	20.1		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Trichlorofluoromethane	19.1		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102
Vinyl Chloride	18.8		ug/L	0.33	0.75	1.0	1	07/01/24 09:53	25240701	2524070102

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

MB for HBN 1239724 [VOMS/73685 | **Matrix**

3847311 | WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 11:20	25240702	2524070205Q
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/02/24 11:20	25240702	2524070205Q
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 11:20	25240702	2524070205Q
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 11:20	25240702	2524070205Q
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 11:20	25240702	2524070205Q
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/02/24 11:20	25240702	2524070205Q
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

MB for HBN 1239724 [VOMS/73685 | **Matrix**

3847311 | WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
cis-1,2-Dichloroethene	0.69	J	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/02/24 11:20	25240702	2524070205Q
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/02/24 11:20	25240702	2524070205Q
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Trichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/02/24 11:20	25240702	2524070205Q

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

LCS for HBN 1239724 [VOMS/7368

3847312

Matrix: WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	19		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,1,1-Trichloroethane	22.3		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,1,2,2-Tetrachloroethane	22.6		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,1,2-Trichloroethane	20.6		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,1-Dichloroethane	21.3		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,1-Dichloroethene	22		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,1-Dichloropropene	20.9		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,2,3-Trichlorobenzene	18.4		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,2,3-Trichloropropane	21.6		ug/L	1.6	2.5	5.0	1	07/02/24 09:58	25240702	2524070202Q
1,2,4-Trichlorobenzene	22.7		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,2,4-Trimethylbenzene	21		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,2-Dibromo-3-chloropropane	17.8		ug/L	1.6	2.5	5.0	1	07/02/24 09:58	25240702	2524070202Q
1,2-Dibromoethane	19		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,2-Dichlorobenzene	22.1		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,2-Dichloroethane	21		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,2-Dichloropropane	21.8		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,3,5-Trimethylbenzene	22.5		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,3-Dichlorobenzene	22		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,3-Dichloropropane	21.8		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
1,4-Dichlorobenzene	21.4		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
2,2-Dichloropropane	21		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
2-Butanone	102		ug/L	1.6	3.8	5.0	1	07/02/24 09:58	25240702	2524070202Q
2-Hexanone	100		ug/L	1.6	3.8	5.0	1	07/02/24 09:58	25240702	2524070202Q
4-Methyl-2-Pentanone(MIBK)	101		ug/L	1.6	3.8	5.0	1	07/02/24 09:58	25240702	2524070202Q
Acetone	109		ug/L	1.6	3.8	5.0	1	07/02/24 09:58	25240702	2524070202Q
Benzene	20.4		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Bromobenzene	21.6		ug/L	0.20	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Bromochloromethane	22		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Bromodichloromethane	19.3		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Bromoform	17.4		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Bromomethane	19.8		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Carbon Disulfide	20.7		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

LCS for HBN 1239724 [VOMS/7368

3847312

Matrix: WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	18.2		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Chlorobenzene	20.6		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Chlorodibromomethane	17.8		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Chloroethane	20.1		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Chloroform	21.7		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Chloromethane	19.9		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
cis-1,2-Dichloroethene	24		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
cis-1,3-Dichloropropene	18.9		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Dibromomethane	21.2		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Dichlorodifluoromethane	18		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Ethylbenzene	19.5		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Hexachlorobutadiene	20.8		ug/L	0.43	3.8	5.0	1	07/02/24 09:58	25240702	2524070202Q
Isopropylbenzene	23.8		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Methylene Chloride	20.5		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
mp-Xylene	38.2		ug/L	0.66	1.5	2.0	1	07/02/24 09:58	25240702	2524070202Q
Naphthalene	18.6		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
n-Butylbenzene	21.8		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
n-Propylbenzene	22.3		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
o-Chlorotoluene	22.6		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
o-Xylene	19.2		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
p-Chlorotoluene	23.3		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
p-Isopropyltoluene	23		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
sec-Butylbenzene	23.5		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Styrene	20.5		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
tert-Butylbenzene	23.4		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Tetrachloroethene	19.6		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Toluene	19.6		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
trans-1,2-Dichloroethene	21.1		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
trans-1,3-Dichloropropene	19.3		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Trichloroethene	20.7		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Trichlorofluoromethane	18.6		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q
Vinyl Chloride	20		ug/L	0.33	0.75	1.0	1	07/02/24 09:58	25240702	2524070202Q

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT8_062024MS

	Collected	Received	Matrix
3847323	06/20/24 07:12	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	19.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,1,1-Trichloroethane	23.6		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,1,2,2-Tetrachloroethane	24		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,1,2-Trichloroethane	22		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,1-Dichloroethane	24.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,1-Dichloroethene	74.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,1-Dichloropropene	22.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,2,3-Trichlorobenzene	18.6		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,2,3-Trichloropropane	23		ug/L	1.6	2.5	5.0	1	07/02/24 18:39	25240702	2524070226
1,2,4-Trichlorobenzene	22.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,2,4-Trimethylbenzene	21.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,2-Dibromo-3-chloropropane	18.2		ug/L	1.6	2.5	5.0	1	07/02/24 18:39	25240702	2524070226
1,2-Dibromoethane	19.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,2-Dichlorobenzene	22.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,2-Dichloroethane	35.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,2-Dichloropropane	22.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,3,5-Trimethylbenzene	23.6		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,3-Dichlorobenzene	22.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,3-Dichloropropane	22		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
1,4-Dichlorobenzene	22.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
2,2-Dichloropropane	19.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
2-Butanone	112		ug/L	1.6	3.8	5.0	1	07/02/24 18:39	25240702	2524070226
2-Hexanone	105		ug/L	1.6	3.8	5.0	1	07/02/24 18:39	25240702	2524070226
4-Methyl-2-Pentanone(MIBK)	109		ug/L	1.6	3.8	5.0	1	07/02/24 18:39	25240702	2524070226
Acetone	98.8		ug/L	1.6	3.8	5.0	1	07/02/24 18:39	25240702	2524070226
Benzene	22.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Bromobenzene	22.3		ug/L	0.20	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Bromochloromethane	21.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Bromodichloromethane	19.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Bromoform	17.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Bromomethane	25.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Carbon Disulfide	22.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT8_062024MS

	Collected	Received	Matrix
3847323	06/20/24 07:12	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	20.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Chlorobenzene	21.5		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Chlorodibromomethane	18.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Chloroethane	23.5		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Chloroform	23.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Chloromethane	25.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
cis-1,2-Dichloroethene	1270		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
cis-1,3-Dichloropropene	18.6		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Dibromomethane	21.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Dichlorodifluoromethane	27.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Ethylbenzene	20.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Hexachlorobutadiene	20.4		ug/L	0.43	3.8	5.0	1	07/02/24 18:39	25240702	2524070226
Isopropylbenzene	25.1		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Methylene Chloride	365		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
mp-Xylene	40		ug/L	0.66	1.5	2.0	1	07/02/24 18:39	25240702	2524070226
Naphthalene	18.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
n-Butylbenzene	22.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
n-Propylbenzene	22.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
o-Chlorotoluene	24		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
o-Xylene	19.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
p-Chlorotoluene	23.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
p-Isopropyltoluene	23.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
sec-Butylbenzene	24.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Styrene	21.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
tert-Butylbenzene	24.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Tetrachloroethene	67.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Toluene	21		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
trans-1,2-Dichloroethene	27.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
trans-1,3-Dichloropropene	19.5		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Trichloroethene	1290		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Trichlorofluoromethane	19.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226
Vinyl Chloride	109		ug/L	0.33	0.75	1.0	1	07/02/24 18:39	25240702	2524070226

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT8_062024MSD

Collected	Received	Matrix
06/20/24 07:12	06/26/24 09:36	GW

3847324

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	19.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,1,1-Trichloroethane	22.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,1,2,2-Tetrachloroethane	23.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,1,2-Trichloroethane	21.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,1-Dichloroethane	23.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,1-Dichloroethene	70.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,1-Dichloropropene	21.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,2,3-Trichlorobenzene	18.1		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,2,3-Trichloropropane	22.4		ug/L	1.6	2.5	5.0	1	07/02/24 18:59	25240702	2524070227
1,2,4-Trichlorobenzene	22		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,2,4-Trimethylbenzene	21.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,2-Dibromo-3-chloropropane	19.1		ug/L	1.6	2.5	5.0	1	07/02/24 18:59	25240702	2524070227
1,2-Dibromoethane	19.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,2-Dichlorobenzene	22.5		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,2-Dichloroethane	34.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,2-Dichloropropane	21.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,3,5-Trimethylbenzene	23		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,3-Dichlorobenzene	21.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,3-Dichloropropane	21.7		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
1,4-Dichlorobenzene	21.5		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
2,2-Dichloropropane	19.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
2-Butanone	106		ug/L	1.6	3.8	5.0	1	07/02/24 18:59	25240702	2524070227
2-Hexanone	104		ug/L	1.6	3.8	5.0	1	07/02/24 18:59	25240702	2524070227
4-Methyl-2-Pentanone(MIBK)	107		ug/L	1.6	3.8	5.0	1	07/02/24 18:59	25240702	2524070227
Acetone	98.6		ug/L	1.6	3.8	5.0	1	07/02/24 18:59	25240702	2524070227
Benzene	21.6		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Bromobenzene	21.4		ug/L	0.20	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Bromochloromethane	20.6		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Bromodichloromethane	19.1		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Bromoform	17.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Bromomethane	24.1		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Carbon Disulfide	21.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

ICT8_062024MSD

	Collected	Received	Matrix
3847324	06/20/24 07:12	06/26/24 09:36	GW

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	20.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Chlorobenzene	21		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Chlorodibromomethane	18.1		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Chloroethane	22.1		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Chloroform	23.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Chloromethane	24.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
cis-1,2-Dichloroethene	1220		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
cis-1,3-Dichloropropene	18.6		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Dibromomethane	21		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Dichlorodifluoromethane	26		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Ethylbenzene	20.1		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Hexachlorobutadiene	20		ug/L	0.43	3.8	5.0	1	07/02/24 18:59	25240702	2524070227
Isopropylbenzene	24.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Methylene Chloride	353		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
mp-Xylene	39.3		ug/L	0.66	1.5	2.0	1	07/02/24 18:59	25240702	2524070227
Naphthalene	18.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
n-Butylbenzene	21.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
n-Propylbenzene	22.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
o-Chlorotoluene	23.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
o-Xylene	19.6		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
p-Chlorotoluene	23.1		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
p-Isopropyltoluene	22.8		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
sec-Butylbenzene	23.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Styrene	20.6		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
tert-Butylbenzene	23.5		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Tetrachloroethene	66.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Toluene	20.2		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
trans-1,2-Dichloroethene	25.4		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
trans-1,3-Dichloropropene	18.9		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Trichloroethene	1240		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Trichlorofluoromethane	18.3		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227
Vinyl Chloride	102		ug/L	0.33	0.75	1.0	1	07/02/24 18:59	25240702	2524070227

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

MB for HBN 1240942 [VOMS/73704

3848063

Matrix

WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,1,1-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,1,2,2-Tetrachloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,1,2-Trichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,1-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,1-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,1-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,2,3-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,2,3-Trichloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/03/24 11:25	23240703	2324070305D
1,2,4-Trichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,2,4-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,2-Dibromo-3-chloropropane	2.5	U	ug/L	1.6	2.5	5.0	1	07/03/24 11:25	23240703	2324070305D
1,2-Dibromoethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,2-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,2-Dichloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,3,5-Trimethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,3-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,3-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
1,4-Dichlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
2,2-Dichloropropane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
2-Butanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 11:25	23240703	2324070305D
2-Hexanone	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 11:25	23240703	2324070305D
4-Methyl-2-Pentanone(MIBK)	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 11:25	23240703	2324070305D
Acetone	3.8	U	ug/L	1.6	3.8	5.0	1	07/03/24 11:25	23240703	2324070305D
Benzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Bromobenzene	0.75	U	ug/L	0.20	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Bromochloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Bromodichloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Bromoform	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Bromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Carbon Disulfide	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

MB for HBN 1240942 [VOMS/73704 | **Matrix**

3848063 | WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Chlorobenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Chlorodibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Chloroethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Chloroform	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Chloromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
cis-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
cis-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Dibromomethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Dichlorodifluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Ethylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Hexachlorobutadiene	3.8	U	ug/L	0.43	3.8	5.0	1	07/03/24 11:25	23240703	2324070305D
Isopropylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Methylene Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
mp-Xylene	1.5	U	ug/L	0.66	1.5	2.0	1	07/03/24 11:25	23240703	2324070305D
Naphthalene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
n-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
n-Propylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
o-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
o-Xylene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
p-Chlorotoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
p-Isopropyltoluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
sec-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Styrene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
tert-Butylbenzene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Tetrachloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Toluene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
trans-1,2-Dichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
trans-1,3-Dichloropropene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Trichloroethene	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Trichlorofluoromethane	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D
Vinyl Chloride	0.75	U	ug/L	0.33	0.75	1.0	1	07/03/24 11:25	23240703	2324070305D

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

LCS for HBN 1240942 [VOMS/7370

3848064

Matrix: WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	21.1		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,1,1-Trichloroethane	20.1		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,1,2,2-Tetrachloroethane	20		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,1,2-Trichloroethane	20.6		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,1-Dichloroethane	19.4		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,1-Dichloroethene	20.1		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,1-Dichloropropene	19.5		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,2,3-Trichlorobenzene	21		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,2,3-Trichloropropane	19.2		ug/L	1.6	2.5	5.0	1	07/03/24 10:06	23240703	2324070302D
1,2,4-Trichlorobenzene	23.7		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,2,4-Trimethylbenzene	21.3		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,2-Dibromo-3-chloropropane	19.2		ug/L	1.6	2.5	5.0	1	07/03/24 10:06	23240703	2324070302D
1,2-Dibromoethane	20.7		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,2-Dichlorobenzene	21.1		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,2-Dichloroethane	19.4		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,2-Dichloropropane	19.6		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,3,5-Trimethylbenzene	21.4		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,3-Dichlorobenzene	21		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,3-Dichloropropane	20.5		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
1,4-Dichlorobenzene	21.6		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
2,2-Dichloropropane	21.2		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
2-Butanone	100		ug/L	1.6	3.8	5.0	1	07/03/24 10:06	23240703	2324070302D
2-Hexanone	101		ug/L	1.6	3.8	5.0	1	07/03/24 10:06	23240703	2324070302D
4-Methyl-2-Pentanone(MIBK)	102		ug/L	1.6	3.8	5.0	1	07/03/24 10:06	23240703	2324070302D
Acetone	106		ug/L	1.6	3.8	5.0	1	07/03/24 10:06	23240703	2324070302D
Benzene	19.3		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Bromobenzene	21.5		ug/L	0.20	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Bromochloromethane	20.9		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Bromodichloromethane	20.4		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Bromoform	20.3		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Bromomethane	18.4		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Carbon Disulfide	19.9		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D

Form 1 - Organic Analysis Data Sheet

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

LCS for HBN 1240942 [VOMS/7370

3848064

Matrix: WQ

Analyte	Result	Q	Units	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Carbon Tetrachloride	20.5		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Chlorobenzene	20.6		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Chlorodibromomethane	21		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Chloroethane	20		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Chloroform	20.1		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Chloromethane	17.3		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
cis-1,2-Dichloroethene	19.1		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
cis-1,3-Dichloropropene	20.9		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Dibromomethane	19.8		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Dichlorodifluoromethane	20.9		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Ethylbenzene	21.3		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Hexachlorobutadiene	23		ug/L	0.43	3.8	5.0	1	07/03/24 10:06	23240703	2324070302D
Isopropylbenzene	23.2		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Methylene Chloride	19.1		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
mp-Xylene	42.2		ug/L	0.66	1.5	2.0	1	07/03/24 10:06	23240703	2324070302D
Naphthalene	21.5		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
n-Butylbenzene	21.9		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
n-Propylbenzene	21.3		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
o-Chlorotoluene	20.6		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
o-Xylene	21		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
p-Chlorotoluene	20.9		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
p-Isopropyltoluene	21.2		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
sec-Butylbenzene	21.5		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Styrene	21.9		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
tert-Butylbenzene	21.5		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Tetrachloroethene	20.4		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Toluene	20		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
trans-1,2-Dichloroethene	19.7		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
trans-1,3-Dichloropropene	21.7		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Trichloroethene	19.4		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Trichlorofluoromethane	19.8		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D
Vinyl Chloride	19.6		ug/L	0.33	0.75	1.0	1	07/03/24 10:06	23240703	2324070302D

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Form 2

System Monitoring Compound Recovery

Volatiles by EPA 8260D

Workorder

3366026

Client

ALS Houston

Project

AHH130|HS24061330

07/10/2024

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Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

RUNID 23240703

ICT8_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026004	MS23	GW	07/03/24 13:30	ug/L	50

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070311.D	1540	1500	103		81-118
4-Bromofluorobenzene	2324070311.D	1560	1500	104		85-114
Dibromofluoromethane	2324070311.D	1530	1500	102		80-119
Toluene-d8	2324070311.D	1510	1500	101		89-112

ICT12D_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026009	MS23	GW	07/03/24 14:29	ug/L	500

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070314.D	14900	15000	100		81-118
4-Bromofluorobenzene	2324070314.D	15600	15000	104		85-114
Dibromofluoromethane	2324070314.D	14700	15000	98		80-119
Toluene-d8	2324070314.D	15000	15000	100		89-112

ICT12D_062024_a

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026010	MS23	GW	07/03/24 14:49	ug/L	500

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070315.D	14600	15000	98		81-118
4-Bromofluorobenzene	2324070315.D	14700	15000	98		85-114
Dibromofluoromethane	2324070315.D	14600	15000	98		80-119
Toluene-d8	2324070315.D	15000	15000	100		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

RUNID 23240703

Volatiles by EPA 8260D

ICT12E_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026011	MS23	GW	07/03/24 15:09	ug/L	500

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070316.D	14900	15000	99		81-118
4-Bromofluorobenzene	2324070316.D	14100	15000	94		85-114
Dibromofluoromethane	2324070316.D	14300	15000	95		80-119
Toluene-d8	2324070316.D	14500	15000	96		89-112

ICT13A_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026012	MS23	GW	07/03/24 13:10	ug/L	5

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070310.D	146	150	97		81-118
4-Bromofluorobenzene	2324070310.D	139	150	93		85-114
Dibromofluoromethane	2324070310.D	140	150	94		80-119
Toluene-d8	2324070310.D	146	150	97		89-112

ICT14B_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026019	MS23	GW	07/03/24 12:10	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070307.D	30.3	30	101		81-118
4-Bromofluorobenzene	2324070307.D	28.4	30	95		85-114
Dibromofluoromethane	2324070307.D	29.6	30	99		80-119
Toluene-d8	2324070307.D	29	30	97		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

RUNID 23240703

Volatiles by EPA 8260D

ICT14C_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026020	MS23	GW	07/03/24 13:50	ug/L	100

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070312.D	3050	3000	102		81-118
4-Bromofluorobenzene	2324070312.D	3160	3000	105		85-114
Dibromofluoromethane	2324070312.D	2940	3000	98		80-119
Toluene-d8	2324070312.D	3080	3000	103		89-112

ICT14D_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026021	MS23	GW	07/03/24 14:09	ug/L	100

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070313.D	2820	3000	94		81-118
4-Bromofluorobenzene	2324070313.D	2680	3000	89		85-114
Dibromofluoromethane	2324070313.D	2750	3000	92		80-119
Toluene-d8	2324070313.D	2750	3000	92		89-112

ICT14E_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026022	MS23	GW	07/03/24 12:50	ug/L	5

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070309.D	147	150	98		81-118
4-Bromofluorobenzene	2324070309.D	157	150	104		85-114
Dibromofluoromethane	2324070309.D	146	150	98		80-119
Toluene-d8	2324070309.D	149	150	99		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

RUNID 23240703

ICT13D_062024_a

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026024	MS23	GW	07/03/24 12:30	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070308.D	29.3	30	98		81-118
4-Bromofluorobenzene	2324070308.D	31.2	30	104		85-114
Dibromofluoromethane	2324070308.D	29.1	30	97		80-119
Toluene-d8	2324070308.D	30.5	30	102		89-112

MB for HBN 1240942 [VOMS/73704

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3848063	MS23	WQ		ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070305DQ.D	30	30	100		81-118
4-Bromofluorobenzene	2324070305DQ.D	29	30	97		85-114
Dibromofluoromethane	2324070305DQ.D	29.9	30	100		80-119
Toluene-d8	2324070305DQ.D	30.5	30	102		89-112

LCS for HBN 1240942 [VOMS/7370

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3848064	MS23	WQ	07/03/24 10:06	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2324070302DQ.D	30	30	100		81-118
4-Bromofluorobenzene	2324070302DQ.D	31.8	30	106		85-114
Dibromofluoromethane	2324070302DQ.D	30.2	30	101		80-119
Toluene-d8	2324070302DQ.D	31.2	30	104		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

RUNID 25240628

Volatiles by EPA 8260D

ICT2_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026001	MS25	GW	06/28/24 13:27	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524062811.D	32.2	30	107		81-118
4-Bromofluorobenzene	2524062811.D	27.8	30	93		85-114
Dibromofluoromethane	2524062811.D	29.1	30	97		80-119
Toluene-d8	2524062811.D	30.7	30	102		89-112

ICT4_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026002	MS25	GW	06/28/24 13:47	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524062812.D	33.2	30	111		81-118
4-Bromofluorobenzene	2524062812.D	30.1	30	100		85-114
Dibromofluoromethane	2524062812.D	27.2	30	91		80-119
Toluene-d8	2524062812.D	29.7	30	99		89-112

ICT11_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026005	MS25	GW	06/28/24 14:28	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524062814.D	32.1	30	107		81-118
4-Bromofluorobenzene	2524062814.D	32.3	30	108		85-114
Dibromofluoromethane	2524062814.D	28.8	30	96		80-119
Toluene-d8	2524062814.D	31.2	30	104		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

RUNID 25240628

Volatiles by EPA 8260D

ICT12A_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026006	MS25	GW	06/28/24 14:48	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524062815.D	30.7	30	102		81-118
4-Bromofluorobenzene	2524062815.D	29.1	30	97		85-114
Dibromofluoromethane	2524062815.D	27.1	30	90		80-119
Toluene-d8	2524062815.D	29.5	30	98		89-112

ICT12B_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026007	MS25	GW	06/28/24 15:09	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524062816.D	34.3	30	114		81-118
4-Bromofluorobenzene	2524062816.D	29.4	30	98		85-114
Dibromofluoromethane	2524062816.D	30.6	30	102		80-119
Toluene-d8	2524062816.D	31	30	103		89-112

CG-041923-962

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026023	MS25	GW	06/28/24 12:05	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524062806.D	29.8	30	99		81-118
4-Bromofluorobenzene	2524062806.D	29.5	30	98		85-114
Dibromofluoromethane	2524062806.D	27.2	30	91		80-119
Toluene-d8	2524062806.D	29.6	30	99		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

RUNID 25240628

MB for HBN 1236144 [VOMS/73650

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3845975	MS25	WQ		ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524062804.D	30.6	30	102		81-118
4-Bromofluorobenzene	2524062804.D	26.8	30	89		85-114
Dibromofluoromethane	2524062804.D	27.6	30	92		80-119
Toluene-d8	2524062804.D	30.3	30	101		89-112

LCS for HBN 1236144 [VOMS/7365

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3845976	MS25	WQ	06/28/24 10:23	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524062802.D	30.4	30	101		81-118
4-Bromofluorobenzene	2524062802.D	29.2	30	97		85-114
Dibromofluoromethane	2524062802.D	29.7	30	99		80-119
Toluene-d8	2524062802.D	30.3	30	101		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

RUNID 25240701

Volatiles by EPA 8260D

ICT4_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026002	MS25	GW	07/01/24 13:17	ug/L	20

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070111.D	592	600	99		81-118
4-Bromofluorobenzene	2524070111.D	586	600	98		85-114
Dibromofluoromethane	2524070111.D	559	600	93		80-119
Toluene-d8	2524070111.D	601	600	100		89-112

ICT7_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026003	MS25	GW	07/01/24 11:35	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070106.D	29.5	30	98		81-118
4-Bromofluorobenzene	2524070106.D	27.3	30	91		85-114
Dibromofluoromethane	2524070106.D	27.6	30	92		80-119
Toluene-d8	2524070106.D	29.7	30	99		89-112

ICT11_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026005	MS25	GW	07/01/24 13:37	ug/L	5

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070112.D	157	150	105		81-118
4-Bromofluorobenzene	2524070112.D	153	150	102		85-114
Dibromofluoromethane	2524070112.D	149	150	99		80-119
Toluene-d8	2524070112.D	161	150	107		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

RUNID 25240701

Volatiles by EPA 8260D

ICT12A_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026006	MS25	GW	07/01/24 13:58	ug/L	10

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070113.D	305	300	102		81-118
4-Bromofluorobenzene	2524070113.D	291	300	97		85-114
Dibromofluoromethane	2524070113.D	297	300	99		80-119
Toluene-d8	2524070113.D	310	300	103		89-112

ICT12B_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026007	MS25	GW	07/01/24 14:18	ug/L	100

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070114.D	3000	3000	100		81-118
4-Bromofluorobenzene	2524070114.D	2980	3000	99		85-114
Dibromofluoromethane	2524070114.D	2780	3000	93		80-119
Toluene-d8	2524070114.D	3040	3000	101		89-112

ICT12C_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026008	MS25	GW	07/01/24 14:39	ug/L	20

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070115.D	599	600	100		81-118
4-Bromofluorobenzene	2524070115.D	586	600	98		85-114
Dibromofluoromethane	2524070115.D	568	600	95		80-119
Toluene-d8	2524070115.D	612	600	102		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

RUNID 25240701

Volatiles by EPA 8260D

ICT12D_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026009	MS25	GW	07/01/24 14:59	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070116.D	29.3	30	98		81-118
4-Bromofluorobenzene	2524070116.D	30.6	30	102		85-114
Dibromofluoromethane	2524070116.D	28.3	30	94		80-119
Toluene-d8	2524070116.D	30.3	30	101		89-112

ICT12D_062024_a

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026010	MS25	GW	07/01/24 15:19	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070117.D	29.4	30	98		81-118
4-Bromofluorobenzene	2524070117.D	29.6	30	99		85-114
Dibromofluoromethane	2524070117.D	27.3	30	91		80-119
Toluene-d8	2524070117.D	29.3	30	98		89-112

ICT12E_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026011	MS25	GW	07/01/24 15:40	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070118.D	32	30	107		81-118
4-Bromofluorobenzene	2524070118.D	29.7	30	99		85-114
Dibromofluoromethane	2524070118.D	28	30	93		80-119
Toluene-d8	2524070118.D	29.6	30	99		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

RUNID 25240701

Volatiles by EPA 8260D

ICT13A_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026012	MS25	GW	07/01/24 16:00	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070119.D	30.5	30	102		81-118
4-Bromofluorobenzene	2524070119.D	30.3	30	101		85-114
Dibromofluoromethane	2524070119.D	28.2	30	94		80-119
Toluene-d8	2524070119.D	29.9	30	100		89-112

ICT13C_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026014	MS25	GW	07/01/24 16:41	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070121.D	30.9	30	103		81-118
4-Bromofluorobenzene	2524070121.D	30.4	30	101		85-114
Dibromofluoromethane	2524070121.D	27.6	30	92		80-119
Toluene-d8	2524070121.D	30.9	30	103		89-112

ICT13D_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026015	MS25	GW	07/01/24 17:01	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070122.D	30.9	30	103		81-118
4-Bromofluorobenzene	2524070122.D	28.2	30	94		85-114
Dibromofluoromethane	2524070122.D	28.5	30	95		80-119
Toluene-d8	2524070122.D	29.8	30	99		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

RUNID 25240701

Volatiles by EPA 8260D

ICT13E_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026016	MS25	GW	07/01/24 17:22	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070123.D	30.6	30	102		81-118
4-Bromofluorobenzene	2524070123.D	29.4	30	98		85-114
Dibromofluoromethane	2524070123.D	27.6	30	92		80-119
Toluene-d8	2524070123.D	30.3	30	101		89-112

ICT13F_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026017	MS25	GW	07/01/24 17:42	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070124.D	30.7	30	102		81-118
4-Bromofluorobenzene	2524070124.D	30.1	30	100		85-114
Dibromofluoromethane	2524070124.D	28.1	30	94		80-119
Toluene-d8	2524070124.D	30.6	30	102		89-112

ICT14A_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026018	MS25	GW	07/01/24 18:03	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070125.D	30.2	30	101		81-118
4-Bromofluorobenzene	2524070125.D	27.8	30	93		85-114
Dibromofluoromethane	2524070125.D	27.6	30	92		80-119
Toluene-d8	2524070125.D	29.6	30	99		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

RUNID 25240701

Volatiles by EPA 8260D

MB for HBN 1238630 [VOMS/73674

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3846765	MS25	WQ		ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070105.D	31.2	30	104		81-118
4-Bromofluorobenzene	2524070105.D	30.9	30	103		85-114
Dibromofluoromethane	2524070105.D	29.9	30	100		80-119
Toluene-d8	2524070105.D	32.1	30	107		89-112

LCS for HBN 1238630 [VOMS/7367

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3846766	MS25	WQ	07/01/24 09:53	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070102.D	28.5	30	95		81-118
4-Bromofluorobenzene	2524070102.D	29.9	30	100		85-114
Dibromofluoromethane	2524070102.D	29.4	30	98		80-119
Toluene-d8	2524070102.D	29.7	30	99		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

RUNID 25240702

Volatiles by EPA 8260D

ICT8_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026004	MS25	GW	07/02/24 13:33	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070211.D	33.8	30	113		81-118
4-Bromofluorobenzene	2524070211.D	30.9	30	103		85-114
Dibromofluoromethane	2524070211.D	29.7	30	99		80-119
Toluene-d8	2524070211.D	30.8	30	103		89-112

ICT12D_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026009	MS25	GW	07/02/24 13:12	ug/L	100

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070210.D	3160	3000	105		81-118
4-Bromofluorobenzene	2524070210.D	2960	3000	99		85-114
Dibromofluoromethane	2524070210.D	2890	3000	96		80-119
Toluene-d8	2524070210.D	3060	3000	102		89-112

ICT12D_062024_a

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026010	MS25	GW	07/02/24 12:52	ug/L	100

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070209.D	3390	3000	113		81-118
4-Bromofluorobenzene	2524070209.D	2840	3000	95		85-114
Dibromofluoromethane	2524070209.D	3010	3000	100		80-119
Toluene-d8	2524070209.D	3090	3000	103		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

RUNID 25240702

Volatiles by EPA 8260D

ICT12E_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026011	MS25	GW	07/02/24 12:31	ug/L	100

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070208.D	3240	3000	108		81-118
4-Bromofluorobenzene	2524070208.D	3060	3000	102		85-114
Dibromofluoromethane	2524070208.D	2930	3000	98		80-119
Toluene-d8	2524070208.D	3060	3000	102		89-112

ICT13B_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026013	MS25	GW	07/02/24 11:50	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070206.D	32.8	30	109		81-118
4-Bromofluorobenzene	2524070206.D	29.7	30	99		85-114
Dibromofluoromethane	2524070206.D	29.3	30	98		80-119
Toluene-d8	2524070206.D	31.2	30	104		89-112

ICT14C_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026020	MS25	GW	07/02/24 14:13	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070213.D	33.3	30	111		81-118
4-Bromofluorobenzene	2524070213.D	30.4	30	101		85-114
Dibromofluoromethane	2524070213.D	29.5	30	98		80-119
Toluene-d8	2524070213.D	30.3	30	101		89-112

Form 2 - System Monitoring Compound Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

RUNID 25240702

ICT14D_062024

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3366026021	MS25	GW	07/02/24 14:34	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070214.D	34.6	30	115		81-118
4-Bromofluorobenzene	2524070214.D	30	30	100		85-114
Dibromofluoromethane	2524070214.D	31	30	103		80-119
Toluene-d8	2524070214.D	31.9	30	106		89-112

MB for HBN 1239724 [VOMS/73685

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3847311	MS25	WQ		ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070205Q.D	33.7	30	112		81-118
4-Bromofluorobenzene	2524070205Q.D	31.2	30	104		85-114
Dibromofluoromethane	2524070205Q.D	28.8	30	96		80-119
Toluene-d8	2524070205Q.D	31.3	30	104		89-112

LCS for HBN 1239724 [VOMS/7368

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3847312	MS25	WQ	07/02/24 09:58	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070202Q.D	31.4	30	105		81-118
4-Bromofluorobenzene	2524070202Q.D	30.1	30	100		85-114
Dibromofluoromethane	2524070202Q.D	29.1	30	97		80-119
Toluene-d8	2524070202Q.D	29.2	30	98		89-112

Form 2 - System Monitoring Compound Recovery

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Workorder 3366026

RUNID 25240702

Volatiles by EPA 8260D

ICT8_062024MS

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3847323	MS25	GW	07/02/24 18:39	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070226.D	34.6	30	115		81-118
4-Bromofluorobenzene	2524070226.D	29	30	97		85-114
Dibromofluoromethane	2524070226.D	29.8	30	99		80-119
Toluene-d8	2524070226.D	29.6	30	99		89-112

ICT8_062024MSD

	Instrument	Matrix	Analysis Date	Conc Units	Dilution
3847324	MS25	GW	07/02/24 18:59	ug/L	1

Surrogate	File ID	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	2524070227.D	33.7	30	112		81-118
4-Bromofluorobenzene	2524070227.D	30	30	100		85-114
Dibromofluoromethane	2524070227.D	29.1	30	97		80-119
Toluene-d8	2524070227.D	29.4	30	98		89-112

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Form 3A

Matrix Spike/Spike Duplicate Recovery

Volatiles by EPA 8260D

Workorder

3366026

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Form 3A - Matrix Spike/Spike Duplicate Recovery

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Workorder **3366026**

SAMPLENUM MS-3847323

Volatiles by EPA 8260D

ICT8_062024 (3366026004)			3847323MS		3847324MSD	
Sample Matrix GW	**Prep Method**		**Run Date** 07/02/24		**Run Date** 07/02/24	
Result Units ug/L			**Run Time** 18:39		**Run Time** 18:59	

Analyte	%R Limits	DF	Sample Result	MS Result	Spike Added	%R	Q	MSD Result	Spike Added	%R	Q	RPD Limit	RPD	Q
1,1,1,2-Tetrachloroethane	78-124	1	0.75U	19.8	20	**99**		19.4	20	**97**		30	**1.91**	
1,1,1-Trichloroethane	74-131	1	0.75U	23.6	20	**118**		22.3	20	**112**		30	**5.58**	
1,1,2,2-Tetrachloroethane	71-121	1	0.75U	24.0	20	**120**		23.8	20	**119**		30	**1.13**	
1,1,2-Trichloroethane	80-119	1	0.57J	22.0	20	**107**		21.8	20	**106**		30	**0.92**	
1,1-Dichloroethane	77-125	1	0.75U	24.9	20	**125**		23.7	20	**119**		30	**4.96**	
1,1-Dichloroethene	71-131	1	67.9	74.4	20	**33**	*	70.2	20	**11**	*	30	**5.92**	
1,1-Dichloropropene	79-125	1	0.75U	22.4	20	**112**		21.4	20	**107**		30	**4.59**	
1,2,3-Trichlorobenzene	69-129	1	0.75U	18.6	20	**93**		18.1	20	**90**		30	**2.73**	
1,2,3-Trichloropropane	73-122	1	2.5U	23.0	20	**115**		22.4	20	**112**		30	**2.42**	
1,2,4-Trichlorobenzene	69-130	1	0.75U	22.8	20	**114**		22.0	20	**110**		30	**3.22**	
1,2,4-Trimethylbenzene	76-124	1	0.75U	21.8	20	**109**		21.3	20	**106**		30	**2.33**	
1,2-Dibromo-3-chloropropane	62-128	1	2.5U	18.2	20	**91**		19.1	20	**96**		30	**5.25**	
1,2-Dibromoethane	77-121	1	0.75U	19.2	20	**96**		19.2	20	**96**		30	**0.12**	
1,2-Dichlorobenzene	80-119	1	0.75U	22.3	20	**112**		22.5	20	**112**		30	**0.49**	
1,2-Dichloroethane	73-128	1	20.7	35.2	20	**72**	*	34.2	20	**67**	*	30	**2.93**	
1,2-Dichloropropane	78-122	1	0.75U	22.7	20	**114**		21.7	20	**109**		30	**4.66**	
1,3,5-Trimethylbenzene	75-124	1	0.75U	23.6	20	**118**		23.0	20	**115**		30	**2.53**	
1,3-Dichlorobenzene	80-119	1	0.75U	22.8	20	**114**		21.8	20	**109**		30	**4.11**	
1,3-Dichloropropane	80-119	1	0.75U	22.0	20	**110**		21.7	20	**108**		30	**1.55**	
1,4-Dichlorobenzene	79-118	1	0.75U	22.2	20	**111**		21.5	20	**107**		30	**3.07**	
2,2-Dichloropropane	60-139	1	0.75U	19.9	20	**100**		19.4	20	**97**		30	**2.47**	
2-Butanone	56-143	1	3.8U	112	100	**112**		106	100	**106**		30	**5.09**	
2-Hexanone	57-139	1	3.8U	105	100	**105**		104	100	**104**		30	**1.47**	
4-Methyl-2-Pentanone(MIBK)	67-130	1	3.8U	109	100	**109**		107	100	**107**		30	**1.77**	
Acetone	39-160	1	3.8U	98.8	100	**99**		98.6	100	**99**		30	**0.12**	
Benzene	79-120	1	1.3	22.4	20	**106**		21.6	20	**102**		30	**3.65**	
Bromobenzene	80-120	1	0.75U	22.3	20	**112**		21.4	20	**107**		30	**4.13**	
Bromochloromethane	78-123	1	0.75U	21.3	20	**106**		20.6	20	**103**		30	**3.31**	
Bromodichloromethane	79-125	1	0.75U	19.4	20	**97**		19.1	20	**95**		30	**1.44**	
Bromoform	66-130	1	0.75U	17.7	20	**89**		17.8	20	**89**		30	**0.44**	
Bromomethane	53-141	1	0.75U	25.2	20	**126**		24.1	20	**121**		30	**4.13**	
Carbon Disulfide	64-133	1	0.75U	22.8	20	**114**		21.2	20	**106**		30	**7.16**	

Form 3A - Matrix Spike/Spike Duplicate Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

SAMPLENUM MS-3847323

ICT8_062024 (3366026004)			3847323MS		3847324MSD	
Sample Matrix GW	**Prep Method**		**Run Date** 07/02/24		**Run Date** 07/02/24	
Result Units ug/L			**Run Time** 18:39		**Run Time** 18:59	

Analyte	%R Limits	DF	Sample Result	MS Result	Spike Added	%R	Q	MSD Result	Spike Added	%R	Q	RPD Limit	RPD	Q
Carbon Tetrachloride	72-136	1	1.2	20.8	20	**98**		20.3	20	**95**		30	**2.44**	
Chlorobenzene	82-118	1	0.75U	21.5	20	**107**		21.0	20	**105**		30	**2.11**	
Chlorodibromomethane	74-126	1	0.75U	18.2	20	**91**		18.1	20	**90**		30	**0.69**	
Chloroethane	60-138	1	0.75U	23.5	20	**117**		22.1	20	**110**		30	**6.23**	
Chloroform	79-124	1	3.3	23.9	20	**103**		23.8	20	**103**		30	**0.41**	
Chloromethane	50-139	1	0.75U	25.2	20	**126**		24.3	20	**122**		30	**3.49**	
cis-1,3-Dichloropropene	75-124	1	0.75U	18.6	20	**93**		18.6	20	**93**		30	**0.51**	
Dibromomethane	79-123	1	0.75U	21.7	20	**108**		21.0	20	**105**		30	**3.3**	
Dichlorodifluoromethane	32-152	1	0.75U	27.2	20	**136**		26.0	20	**130**		30	**4.53**	
Ethylbenzene	79-121	1	0.75U	20.4	20	**102**		20.1	20	**101**		30	**1.25**	
Hexachlorobutadiene	66-134	1	3.8U	20.4	20	**102**		20.0	20	**100**		30	**2.21**	
Isopropylbenzene	72-131	1	0.75U	25.1	20	**125**		24.3	20	**122**		30	**3.01**	
mp-Xylene	80-121	1	1.5U	40.0	40	**100**		39.3	40	**98**		30	**1.68**	
Naphthalene	61-128	1	0.75U	18.7	20	**94**		18.3	20	**92**		30	**2.06**	
n-Butylbenzene	75-128	1	0.75U	22.9	20	**114**		21.8	20	**109**		30	**4.85**	
n-Propylbenzene	76-126	1	0.75U	22.9	20	**114**		22.8	20	**114**		30	**0.49**	
o-Chlorotoluene	79-122	1	0.75U	24.0	20	**120**		23.4	20	**117**		30	**2.43**	
o-Xylene	78-122	1	0.75U	19.9	20	**100**		19.6	20	**98**		30	**1.64**	
p-Chlorotoluene	78-122	1	0.75U	23.7	20	**119**		23.1	20	**116**		30	**2.46**	
p-Isopropyltoluene	77-127	1	0.75U	23.2	20	**116**		22.8	20	**114**		30	**1.87**	
sec-Butylbenzene	77-126	1	0.75U	24.9	20	**124**		23.9	20	**119**		30	**4.27**	
Styrene	78-123	1	0.75U	21.3	20	**107**		20.6	20	**103**		30	**3.4**	
tert-Butylbenzene	78-124	1	0.75U	24.9	20	**124**		23.5	20	**117**		30	**5.9**	
Tetrachloroethene	74-129	1	51.4	67.7	20	**81**		66.2	20	**74**	*	30	**2.24**	
Toluene	80-121	1	0.80J	21.0	20	**101**		20.2	20	**97**		30	**3.76**	
trans-1,2-Dichloroethene	75-124	1	0.75U	27.7	20	**138**	*	25.4	20	**127**	*	30	**8.47**	
trans-1,3-Dichloropropene	73-127	1	0.75U	19.5	20	**97**		18.9	20	**94**		30	**3.25**	
Trichlorofluoromethane	65-141	1	0.75U	19.4	20	**97**		18.3	20	**91**		30	**5.94**	
Vinyl Chloride	58-137	1	106	109	20	**12**	*	102	20	**-20**	*	30	**6.2**	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits OL - Outside Limits %R - %Recovery DF - Dilution Factor Amt - Amount (weight or volume)

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Form 3B

Laboratory Control Sample Recovery

Volatiles by EPA 8260D

Workorder

3366026

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Form 3B - Laboratory Control Sample Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

SAMPLENUM LCS-3845976

Volatiles by EPA 8260D

25240628			3845976		
Spike Matrix WQ	**Result Units** ug/L		**Run Date** 06/28/24 **Run Time** 10:23		
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q
1,1,1,2-Tetrachloroethane	78-124	20	19.1	**96**	
1,1,1-Trichloroethane	74-131	20	21.5	**108**	
1,1,2,2-Tetrachloroethane	71-121	20	21.6	**108**	
1,1,2-Trichloroethane	80-119	20	20.7	**104**	
1,1-Dichloroethane	77-125	20	20.8	**104**	
1,1-Dichloroethene	71-131	20	21.5	**108**	
1,1-Dichloropropene	79-125	20	20.6	**103**	
1,2,3-Trichlorobenzene	69-129	20	19.5	**97**	
1,2,3-Trichloropropane	73-122	20	21.2	**106**	
1,2,4-Trichlorobenzene	69-130	20	24.1	**121**	
1,2,4-Trimethylbenzene	76-124	20	20.1	**101**	
1,2-Dibromo-3-chloropropane	62-128	20	18.9	**95**	
1,2-Dibromoethane	77-121	20	19	**95**	
1,2-Dichlorobenzene	80-119	20	21.9	**110**	
1,2-Dichloroethane	73-128	20	19.7	**99**	
1,2-Dichloropropane	78-122	20	20.8	**104**	
1,3,5-Trimethylbenzene	75-124	20	21.2	**106**	
1,3-Dichlorobenzene	80-119	20	22.1	**110**	
1,3-Dichloropropane	80-119	20	21.6	**108**	
1,4-Dichlorobenzene	79-118	20	21.8	**109**	
2,2-Dichloropropane	60-139	20	21.3	**107**	
2-Butanone	56-143	100	104	**104**	
2-Hexanone	57-139	100	103	**103**	
4-Methyl-2-Pentanone(MIBK)	67-130	100	104	**104**	
Acetone	39-160	100	108	**108**	
Benzene	79-120	20	19.9	**99**	
Bromobenzene	80-120	20	20.1	**100**	
Bromochloromethane	78-123	20	21.2	**106**	
Bromodichloromethane	79-125	20	18.8	**94**	
Bromoform	66-130	20	18.1	**90**	
Bromomethane	53-141	20	20	**100**	
Carbon Disulfide	64-133	20	21.1	**106**	
Carbon Tetrachloride	72-136	20	17.4	**87**	
Chlorobenzene	82-118	20	20.6	**103**	
Chlorodibromomethane	74-126	20	18.1	**90**	

Form 3B - Laboratory Control Sample Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

SAMPLENUM LCS-3845976

Volatiles by EPA 8260D

25240628			3845976		
Spike Matrix WQ	**Result Units** ug/L		**Run Date** 06/28/24 **Run Time** 10:23		
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q
Chloroethane	60-138	20	20.3	**102**	
Chloroform	79-124	20	20.8	**104**	
Chloromethane	50-139	20	20.1	**100**	
cis-1,2-Dichloroethene	78-123	20	21.1	**106**	
cis-1,3-Dichloropropene	75-124	20	18.9	**94**	
Dibromomethane	79-123	20	20.2	**101**	
Dichlorodifluoromethane	32-152	20	20.1	**101**	
Ethylbenzene	79-121	20	19.1	**96**	
Hexachlorobutadiene	66-134	20	22.7	**113**	
Isopropylbenzene	72-131	20	24.2	**121**	
Methylene Chloride	74-124	20	21.4	**107**	
mp-Xylene	80-121	40	38.9	**97**	
Naphthalene	61-128	20	19.9	**100**	
n-Butylbenzene	75-128	20	21.3	**107**	
n-Propylbenzene	76-126	20	21.1	**106**	
o-Chlorotoluene	79-122	20	21.4	**107**	
o-Xylene	78-122	20	19.3	**96**	
p-Chlorotoluene	78-122	20	22.4	**112**	
p-Isopropyltoluene	77-127	20	21.8	**109**	
sec-Butylbenzene	77-126	20	22.9	**115**	
Styrene	78-123	20	21.2	**106**	
tert-Butylbenzene	78-124	20	22.5	**113**	
Tetrachloroethene	74-129	20	20.2	**101**	
Toluene	80-121	20	19.6	**98**	
trans-1,2-Dichloroethene	75-124	20	21.5	**108**	
trans-1,3-Dichloropropene	73-127	20	19.6	**98**	
Trichloroethene	79-123	20	20.2	**101**	
Trichlorofluoromethane	65-141	20	19.3	**97**	
Vinyl Chloride	58-137	20	19.7	**99**	

Form 3B - Laboratory Control Sample Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

SAMPLENUM LCS-3846766

Volatiles by EPA 8260D

25240701			3846766		
Spike Matrix WQ	**Result Units** ug/L		**Run Date** 07/01/24 **Run Time** 09:53		
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q
1,1,1,2-Tetrachloroethane	78-124	20	19.6	**98**	
1,1,1-Trichloroethane	74-131	20	21.7	**108**	
1,1,2,2-Tetrachloroethane	71-121	20	20.9	**104**	
1,1,2-Trichloroethane	80-119	20	20.4	**102**	
1,1-Dichloroethane	77-125	20	20.3	**101**	
1,1-Dichloroethene	71-131	20	20.6	**103**	
1,1-Dichloropropene	79-125	20	20	**100**	
1,2,3-Trichlorobenzene	69-129	20	18.1	**91**	
1,2,3-Trichloropropane	73-122	20	20.4	**102**	
1,2,4-Trichlorobenzene	69-130	20	22.5	**112**	
1,2,4-Trimethylbenzene	76-124	20	20.1	**101**	
1,2-Dibromo-3-chloropropane	62-128	20	16.6	**83**	
1,2-Dibromoethane	77-121	20	19.1	**95**	
1,2-Dichlorobenzene	80-119	20	21.2	**106**	
1,2-Dichloroethane	73-128	20	19.4	**97**	
1,2-Dichloropropane	78-122	20	20.2	**101**	
1,3,5-Trimethylbenzene	75-124	20	21.2	**106**	
1,3-Dichlorobenzene	80-119	20	21.7	**108**	
1,3-Dichloropropane	80-119	20	20.9	**105**	
1,4-Dichlorobenzene	79-118	20	21.4	**107**	
2,2-Dichloropropane	60-139	20	21.1	**106**	
2-Butanone	56-143	100	97.8	**98**	
2-Hexanone	57-139	100	89.6	**90**	
4-Methyl-2-Pentanone(MIBK)	67-130	100	90.8	**91**	
Acetone	39-160	100	101	**101**	
Benzene	79-120	20	19.6	**98**	
Bromobenzene	80-120	20	21.2	**106**	
Bromochloromethane	78-123	20	21.8	**109**	
Bromodichloromethane	79-125	20	18.6	**93**	
Bromoform	66-130	20	17.2	**86**	
Bromomethane	53-141	20	19.5	**97**	
Carbon Disulfide	64-133	20	20.8	**104**	
Carbon Tetrachloride	72-136	20	18.2	**91**	
Chlorobenzene	82-118	20	20.7	**104**	
Chlorodibromomethane	74-126	20	18.1	**91**	

Form 3B - Laboratory Control Sample Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

SAMPLENUM LCS-3846766

Volatiles by EPA 8260D

25240701			3846766		
Spike Matrix WQ	**Result Units** ug/L		**Run Date** 07/01/24 **Run Time** 09:53		
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q
Chloroethane	60-138	20	19.1	**96**	
Chloroform	79-124	20	20.8	**104**	
Chloromethane	50-139	20	19	**95**	
cis-1,2-Dichloroethene	78-123	20	20.5	**102**	
cis-1,3-Dichloropropene	75-124	20	18.6	**93**	
Dibromomethane	79-123	20	20.7	**104**	
Dichlorodifluoromethane	32-152	20	19.5	**97**	
Ethylbenzene	79-121	20	19.6	**98**	
Hexachlorobutadiene	66-134	20	21	**105**	
Isopropylbenzene	72-131	20	22.7	**114**	
Methylene Chloride	74-124	20	20.2	**101**	
mp-Xylene	80-121	40	39	**98**	
Naphthalene	61-128	20	18	**90**	
n-Butylbenzene	75-128	20	21.2	**106**	
n-Propylbenzene	76-126	20	21.7	**109**	
o-Chlorotoluene	79-122	20	21.4	**107**	
o-Xylene	78-122	20	19.5	**98**	
p-Chlorotoluene	78-122	20	21.8	**109**	
p-Isopropyltoluene	77-127	20	21.6	**108**	
sec-Butylbenzene	77-126	20	22.4	**112**	
Styrene	78-123	20	19.6	**98**	
tert-Butylbenzene	78-124	20	22.6	**113**	
Tetrachloroethene	74-129	20	20.7	**104**	
Toluene	80-121	20	19.6	**98**	
trans-1,2-Dichloroethene	75-124	20	20	**100**	
trans-1,3-Dichloropropene	73-127	20	18.9	**94**	
Trichloroethene	79-123	20	20.1	**100**	
Trichlorofluoromethane	65-141	20	19.1	**96**	
Vinyl Chloride	58-137	20	18.8	**94**	

Form 3B - Laboratory Control Sample Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

SAMPLENUM LCS-3847312

25240702			3847312		
Spike Matrix WQ	**Result Units** ug/L		**Run Date** 07/02/24 **Run Time** 09:58		
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q
1,1,1,2-Tetrachloroethane	78-124	20	19	**95**	
1,1,1-Trichloroethane	74-131	20	22.3	**112**	
1,1,2,2-Tetrachloroethane	71-121	20	22.6	**113**	
1,1,2-Trichloroethane	80-119	20	20.6	**103**	
1,1-Dichloroethane	77-125	20	21.3	**106**	
1,1-Dichloroethene	71-131	20	22	**110**	
1,1-Dichloropropene	79-125	20	20.9	**104**	
1,2,3-Trichlorobenzene	69-129	20	18.4	**92**	
1,2,3-Trichloropropane	73-122	20	21.6	**108**	
1,2,4-Trichlorobenzene	69-130	20	22.7	**114**	
1,2,4-Trimethylbenzene	76-124	20	21	**105**	
1,2-Dibromo-3-chloropropane	62-128	20	17.8	**89**	
1,2-Dibromoethane	77-121	20	19	**95**	
1,2-Dichlorobenzene	80-119	20	22.1	**110**	
1,2-Dichloroethane	73-128	20	21	**105**	
1,2-Dichloropropane	78-122	20	21.8	**109**	
1,3,5-Trimethylbenzene	75-124	20	22.5	**112**	
1,3-Dichlorobenzene	80-119	20	22	**110**	
1,3-Dichloropropane	80-119	20	21.8	**109**	
1,4-Dichlorobenzene	79-118	20	21.4	**107**	
2,2-Dichloropropane	60-139	20	21	**105**	
2-Butanone	56-143	100	102	**102**	
2-Hexanone	57-139	100	100	**100**	
4-Methyl-2-Pentanone(MIBK)	67-130	100	101	**101**	
Acetone	39-160	100	109	**109**	
Benzene	79-120	20	20.4	**102**	
Bromobenzene	80-120	20	21.6	**108**	
Bromochloromethane	78-123	20	22	**110**	
Bromodichloromethane	79-125	20	19.3	**97**	
Bromoform	66-130	20	17.4	**87**	
Bromomethane	53-141	20	19.8	**99**	
Carbon Disulfide	64-133	20	20.7	**104**	
Carbon Tetrachloride	72-136	20	18.2	**91**	
Chlorobenzene	82-118	20	20.6	**103**	
Chlorodibromomethane	74-126	20	17.8	**89**	

Form 3B - Laboratory Control Sample Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

SAMPLENUM LCS-3847312

Volatiles by EPA 8260D

25240702			3847312		
Spike Matrix WQ	**Result Units** ug/L		**Run Date** 07/02/24 **Run Time** 09:58		
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q
Chloroethane	60-138	20	20.1	**101**	
Chloroform	79-124	20	21.7	**109**	
Chloromethane	50-139	20	19.9	**100**	
cis-1,2-Dichloroethene	78-123	20	24	**120**	
cis-1,3-Dichloropropene	75-124	20	18.9	**95**	
Dibromomethane	79-123	20	21.2	**106**	
Dichlorodifluoromethane	32-152	20	18	**90**	
Ethylbenzene	79-121	20	19.5	**97**	
Hexachlorobutadiene	66-134	20	20.8	**104**	
Isopropylbenzene	72-131	20	23.8	**119**	
Methylene Chloride	74-124	20	20.5	**103**	
mp-Xylene	80-121	40	38.2	**95**	
Naphthalene	61-128	20	18.6	**93**	
n-Butylbenzene	75-128	20	21.8	**109**	
n-Propylbenzene	76-126	20	22.3	**112**	
o-Chlorotoluene	79-122	20	22.6	**113**	
o-Xylene	78-122	20	19.2	**96**	
p-Chlorotoluene	78-122	20	23.3	**117**	
p-Isopropyltoluene	77-127	20	23	**115**	
sec-Butylbenzene	77-126	20	23.5	**117**	
Styrene	78-123	20	20.5	**102**	
tert-Butylbenzene	78-124	20	23.4	**117**	
Tetrachloroethene	74-129	20	19.6	**98**	
Toluene	80-121	20	19.6	**98**	
trans-1,2-Dichloroethene	75-124	20	21.1	**106**	
trans-1,3-Dichloropropene	73-127	20	19.3	**97**	
Trichloroethene	79-123	20	20.7	**104**	
Trichlorofluoromethane	65-141	20	18.6	**93**	
Vinyl Chloride	58-137	20	20	**100**	

Form 3B - Laboratory Control Sample Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

SAMPLENUM LCS-3848064

Volatiles by EPA 8260D

23240703			3848064		
Spike Matrix WQ	**Result Units** ug/L		**Run Date** 07/03/24 **Run Time** 10:06		
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q
1,1,1,2-Tetrachloroethane	78-124	20	21.1	**105**	
1,1,1-Trichloroethane	74-131	20	20.1	**100**	
1,1,2,2-Tetrachloroethane	71-121	20	20	**100**	
1,1,2-Trichloroethane	80-119	20	20.6	**103**	
1,1-Dichloroethane	77-125	20	19.4	**97**	
1,1-Dichloroethene	71-131	20	20.1	**100**	
1,1-Dichloropropene	79-125	20	19.5	**97**	
1,2,3-Trichlorobenzene	69-129	20	21	**105**	
1,2,3-Trichloropropane	73-122	20	19.2	**96**	
1,2,4-Trichlorobenzene	69-130	20	23.7	**119**	
1,2,4-Trimethylbenzene	76-124	20	21.3	**106**	
1,2-Dibromo-3-chloropropane	62-128	20	19.2	**96**	
1,2-Dibromoethane	77-121	20	20.7	**104**	
1,2-Dichlorobenzene	80-119	20	21.1	**105**	
1,2-Dichloroethane	73-128	20	19.4	**97**	
1,2-Dichloropropane	78-122	20	19.6	**98**	
1,3,5-Trimethylbenzene	75-124	20	21.4	**107**	
1,3-Dichlorobenzene	80-119	20	21	**105**	
1,3-Dichloropropane	80-119	20	20.5	**102**	
1,4-Dichlorobenzene	79-118	20	21.6	**108**	
2,2-Dichloropropane	60-139	20	21.2	**106**	
2-Butanone	56-143	100	100	**100**	
2-Hexanone	57-139	100	101	**101**	
4-Methyl-2-Pentanone(MIBK)	67-130	100	102	**102**	
Acetone	39-160	100	106	**106**	
Benzene	79-120	20	19.3	**96**	
Bromobenzene	80-120	20	21.5	**107**	
Bromochloromethane	78-123	20	20.9	**104**	
Bromodichloromethane	79-125	20	20.4	**102**	
Bromoform	66-130	20	20.3	**102**	
Bromomethane	53-141	20	18.4	**92**	
Carbon Disulfide	64-133	20	19.9	**99**	
Carbon Tetrachloride	72-136	20	20.5	**102**	
Chlorobenzene	82-118	20	20.6	**103**	
Chlorodibromomethane	74-126	20	21	**105**	

Form 3B - Laboratory Control Sample Recovery

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

SAMPLENUM LCS-3848064

Volatiles by EPA 8260D

23240703			3848064		
Spike Matrix WQ	**Result Units** ug/L		**Run Date** 07/03/24 **Run Time** 10:06		
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q
Chloroethane	60-138	20	20	**100**	
Chloroform	79-124	20	20.1	**101**	
Chloromethane	50-139	20	17.3	**86**	
cis-1,2-Dichloroethene	78-123	20	19.1	**96**	
cis-1,3-Dichloropropene	75-124	20	20.9	**105**	
Dibromomethane	79-123	20	19.8	**99**	
Dichlorodifluoromethane	32-152	20	20.9	**105**	
Ethylbenzene	79-121	20	21.3	**107**	
Hexachlorobutadiene	66-134	20	23	**115**	
Isopropylbenzene	72-131	20	23.2	**116**	
Methylene Chloride	74-124	20	19.1	**95**	
mp-Xylene	80-121	40	42.2	**106**	
Naphthalene	61-128	20	21.5	**107**	
n-Butylbenzene	75-128	20	21.9	**110**	
n-Propylbenzene	76-126	20	21.3	**106**	
o-Chlorotoluene	79-122	20	20.6	**103**	
o-Xylene	78-122	20	21	**105**	
p-Chlorotoluene	78-122	20	20.9	**105**	
p-Isopropyltoluene	77-127	20	21.2	**106**	
sec-Butylbenzene	77-126	20	21.5	**108**	
Styrene	78-123	20	21.9	**109**	
tert-Butylbenzene	78-124	20	21.5	**108**	
Tetrachloroethene	74-129	20	20.4	**102**	
Toluene	80-121	20	20	**100**	
trans-1,2-Dichloroethene	75-124	20	19.7	**99**	
trans-1,3-Dichloropropene	73-127	20	21.7	**108**	
Trichloroethene	79-123	20	19.4	**97**	
Trichlorofluoromethane	65-141	20	19.8	**99**	
Vinyl Chloride	58-137	20	19.6	**98**	

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Form 4

Method Blank Summary

Volatiles by EPA 8260D

Workorder

3366026

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AHH130|HS24061330

07/10/2024

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Form 4 - Method Blank Summary

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

METHOD BLANK	PrepDate / PrepBacth	Matrix	Analysis Date	Analysis Batch	Inst ID	Column
3848063		WQ	07/03/24 11:25	1240942	MS23	

Client Sample ID	Type	Lab Sample ID	2324070305D Q.D	Analysis Date	Analysis Batch	Inst ID	Column
LCS for HBN 1240942 [VOMS/7370	LCS	3848064	2324070302D	07/03/24 10:06	1240942	MS23	
ICT14B_062024	SAMPLE	3366026019	2324070307.D	07/03/24 12:10	1240942	MS23	
ICT13D_062024_a	SAMPLE	3366026024	2324070308.D	07/03/24 12:30	1240942	MS23	
ICT14E_062024	SAMPLE	3366026022	2324070309.D	07/03/24 12:50	1240942	MS23	
ICT13A_062024	SAMPLE	3366026012	2324070310.D	07/03/24 13:10	1240942	MS23	
ICT8_062024	SAMPLE	3366026004	2324070311.D	07/03/24 13:30	1240942	MS23	
ICT14C_062024	SAMPLE	3366026020	2324070312.D	07/03/24 13:50	1240942	MS23	
ICT14D_062024	SAMPLE	3366026021	2324070313.D	07/03/24 14:09	1240942	MS23	
ICT12D_062024	SAMPLE	3366026009	2324070314.D	07/03/24 14:29	1240942	MS23	
ICT12D_062024_a	SAMPLE	3366026010	2324070315.D	07/03/24 14:49	1240942	MS23	
ICT12E_062024	SAMPLE	3366026011	2324070316.D	07/03/24 15:09	1240942	MS23	

Form 4 - Method Blank Summary

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

METHOD BLANK	PrepDate / PrepBacth	Matrix	Analysis Date	Analysis Batch	Inst ID	Column
3845975		WQ	06/28/24 11:24	1236144	MS25	

Client Sample ID	Type	Lab Sample ID	2524062804.D	Analysis Date	Analysis Batch	Inst ID	Column
LCS for HBN 1236144 [VOMS/7365	LCS	3845976	2524062802.D	06/28/24 10:23	1236144	MS25	
CG-041923-962	SAMPLE	3366026023	2524062806.D	06/28/24 12:05	1236144	MS25	
ICT2_062024	SAMPLE	3366026001	2524062811.D	06/28/24 13:27	1236144	MS25	
ICT4_062024	SAMPLE	3366026002	2524062812.D	06/28/24 13:47	1236144	MS25	
ICT11_062024	SAMPLE	3366026005	2524062814.D	06/28/24 14:28	1236144	MS25	
ICT12A_062024	SAMPLE	3366026006	2524062815.D	06/28/24 14:48	1236144	MS25	
ICT12B_062024	SAMPLE	3366026007	2524062816.D	06/28/24 15:09	1236144	MS25	

Form 4 - Method Blank Summary

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

METHOD BLANK	PrepDate / PrepBacth	Matrix	Analysis Date	Analysis Batch	Inst ID	Column
3846765		WQ	07/01/24 11:15	1238630	MS25	

Client Sample ID	Type	Lab Sample ID	2524070105.D	Analysis Date	Analysis Batch	Inst ID	Column
LCS for HBN 1238630 [VOMS/7367	LCS	3846766	2524070102.D	07/01/24 09:53	1238630	MS25	
ICT7_062024	SAMPLE	3366026003	2524070106.D	07/01/24 11:35	1238630	MS25	
ICT4_062024	SAMPLE	3366026002	2524070111.D	07/01/24 13:17	1238630	MS25	
ICT11_062024	SAMPLE	3366026005	2524070112.D	07/01/24 13:37	1238630	MS25	
ICT12A_062024	SAMPLE	3366026006	2524070113.D	07/01/24 13:58	1238630	MS25	
ICT12B_062024	SAMPLE	3366026007	2524070114.D	07/01/24 14:18	1238630	MS25	
ICT12C_062024	SAMPLE	3366026008	2524070115.D	07/01/24 14:39	1238630	MS25	
ICT12D_062024	SAMPLE	3366026009	2524070116.D	07/01/24 14:59	1238630	MS25	
ICT12D_062024_a	SAMPLE	3366026010	2524070117.D	07/01/24 15:19	1238630	MS25	
ICT12E_062024	SAMPLE	3366026011	2524070118.D	07/01/24 15:40	1238630	MS25	
ICT13A_062024	SAMPLE	3366026012	2524070119.D	07/01/24 16:00	1238630	MS25	
ICT13C_062024	SAMPLE	3366026014	2524070121.D	07/01/24 16:41	1238630	MS25	
ICT13D_062024	SAMPLE	3366026015	2524070122.D	07/01/24 17:01	1238630	MS25	
ICT13E_062024	SAMPLE	3366026016	2524070123.D	07/01/24 17:22	1238630	MS25	
ICT13F_062024	SAMPLE	3366026017	2524070124.D	07/01/24 17:42	1238630	MS25	
ICT14A_062024	SAMPLE	3366026018	2524070125.D	07/01/24 18:03	1238630	MS25	

Form 4 - Method Blank Summary

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

METHOD BLANK	PrepDate / PrepBacth	Matrix	Analysis Date	Analysis Batch	Inst ID	Column
3847311		WQ	07/02/24 11:20	1239724	MS25	

Client Sample ID	Type	Lab Sample ID	2524070205Q.D	Analysis Date	Analysis Batch	Inst ID	Column
LCS for HBN 1239724 [VOMS/7368	LCS	3847312	2524070202Q.	07/02/24 09:58	1239724	MS25	
ICT13B_062024	SAMPLE	3366026013	2524070206.D	07/02/24 11:50	1239724	MS25	
ICT12E_062024	SAMPLE	3366026011	2524070208.D	07/02/24 12:31	1239724	MS25	
ICT12D_062024_a	SAMPLE	3366026010	2524070209.D	07/02/24 12:52	1239724	MS25	
ICT12D_062024	SAMPLE	3366026009	2524070210.D	07/02/24 13:12	1239724	MS25	
ICT8_062024	SAMPLE	3366026004	2524070211.D	07/02/24 13:33	1239724	MS25	
ICT14C_062024	SAMPLE	3366026020	2524070213.D	07/02/24 14:13	1239724	MS25	
ICT14D_062024	SAMPLE	3366026021	2524070214.D	07/02/24 14:34	1239724	MS25	
ICT8_062024MS	MS	3847323	2524070226.D	07/02/24 18:39	1239724	MS25	
ICT8_062024MSD	MSD	3847324	2524070227.D	07/02/24 18:59	1239724	MS25	

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Form 5

Instrument Performance Check

Volatiles by EPA 8260D

Workorder

3366026

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Form 5 - Instrument Performance Check

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

8260D

RUNID 23240701

Tune File 2324070100.D 07/01/24 09:19

This check applies to the following analyses

m / e	Ion Abundance Criterion	%RA
95	Base Peak, 100% RA	100.00
50	15.00 - 40.00% of mass 95	18.19
75	30.00 - 60.00% of mass 95	55.54
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.98 (1.07)
174	Greater than 50.00% of mass 95	91.31
175	5.00 - 9.00% of mass 174	7.53 (8.24)
176	95.00 - 101.00% of mass 174	86.92 (95.20)
177	5.00 - 9.00% of mass 176	5.59 (6.43)

%RA - Percent Relative Abundance

	Lab Samp ID	Type	Date	Lab File ID	Sample ID
1	1000	TUNE	07/01 09:19	2324070100	BFB
2	VSTD00.5	ICAL8	07/01 10:30	2324070103	LEVEL8
3	1234	ICAL1	07/01 10:50	2324070104	LEVEL1
4	1235	ICAL2	07/01 11:10	2324070105	LEVEL2
5	1236	ICAL3	07/01 11:30	2324070106	LEVEL3
6	1237	ICAL4	07/01 11:50	2324070107	LEVEL4
7	1238	ICAL5	07/01 12:09	2324070108	LEVEL5
8	1239	ICAL6	07/01 12:29	2324070109	LEVEL6
9	ICVQ	ICV	07/01 14:29	2324070115IC	ICV

Form 5 - Instrument Performance Check

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

8260D

RUNID 23240703

Tune File 2324070300.D 07/03/24 08:50

m / e	Ion Abundance Criterion	%RA
95	Base Peak, 100% RA	100.00
50	15.00 - 40.00% of mass 95	18.18
75	30.00 - 60.00% of mass 95	53.15
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	1.08 (1.19)
174	Greater than 50.00% of mass 95	90.91
175	5.00 - 9.00% of mass 174	6.94 (7.64)
176	95.00 - 101.00% of mass 174	90.02 (99.03)
177	5.00 - 9.00% of mass 176	5.16 (5.73)

%RA - Percent Relative Abundance

This check applies to the following analyses

	Lab Samp ID	Type	Date	Lab File ID	Sample ID
1	1000	TUNE	07/03 08:50	2324070300	BFB
2	1800	CCV	07/03 09:21	2324070301	CCV
3	3848064	LCS	07/03 10:06	2324070302D	LCS for HBN 1240942
4	3848063	MB	07/03 11:25	2324070305D	MB for HBN 1240942
5	3366026019	SAMP	07/03 12:10	2324070307	ICT14B_062024
6	3366026024	SAMP	07/03 12:30	2324070308	ICT13D_062024_a
7	3366026022	SAMP	07/03 12:50	2324070309	ICT14E_062024
8	3366026012	SAMP	07/03 13:10	2324070310	ICT13A_062024
9	3366026004	SAMP	07/03 13:30	2324070311	ICT8_062024
10	3366026020	SAMP	07/03 13:50	2324070312	ICT14C_062024
11	3366026021	SAMP	07/03 14:09	2324070313	ICT14D_062024
12	3366026009	SAMP	07/03 14:29	2324070314	ICT12D_062024
13	3366026010	SAMP	07/03 14:49	2324070315	ICT12D_062024_a
14	3366026011	SAMP	07/03 15:09	2324070316	ICT12E_062024
15	1801	CCV	07/03 19:28	2324070329	CCV

Form 5 - Instrument Performance Check

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

8260D

RUNID 25240625

Tune File 2524062500.D 06/25/24 09:52

m / e	Ion Abundance Criterion	%RA
95	Base Peak, 100% RA	100.00
50	15.00 - 40.00% of mass 95	16.72
75	30.00 - 60.00% of mass 95	46.71
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	93.49
175	5.00 - 9.00% of mass 174	7.88 (8.42)
176	95.00 - 101.00% of mass 174	92.80 (99.27)
177	5.00 - 9.00% of mass 176	5.61 (6.04)

%RA - Percent Relative Abundance

This check applies to the following analyses

	Lab Samp ID	Type	Date	Lab File ID	Sample ID
1	1000	TUNE	06/25 09:52	2524062500	BFB
2	VSTD00.5	ICAL8	06/25 11:03	2524062503	LEVEL8
3	1234	ICAL1	06/25 11:23	2524062504	LEVEL1
4	1235	ICAL2	06/25 11:44	2524062505	LEVEL2
5	1236	ICAL3	06/25 12:04	2524062506	LEVEL3
6	1237	ICAL4	06/25 12:24	2524062507	LEVEL4
7	1238	ICAL5	06/25 12:45	2524062508	LEVEL5
8	1239	ICAL6	06/25 13:05	2524062509	LEVEL6
9	ICVQ	ICV	06/25 15:08	2524062515IC	ICV
10	1801	CCV	06/25 20:54	2524062532	CCV

Form 5 - Instrument Performance Check

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

RUNID 25240628

8260D

Tune File 2524062800.D 06/28/24 09:00

m / e	Ion Abundance Criterion	%RA
95	Base Peak, 100% RA	100.00
50	15.00 - 40.00% of mass 95	18.49
75	30.00 - 60.00% of mass 95	47.66
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	0.39 (0.45)
174	Greater than 50.00% of mass 95	86.25
175	5.00 - 9.00% of mass 174	6.82 (7.91)
176	95.00 - 101.00% of mass 174	84.39 (97.84)
177	5.00 - 9.00% of mass 176	5.64 (6.69)

%RA - Percent Relative Abundance

This check applies to the following analyses

	Lab Samp ID	Type	Date	Lab File ID	Sample ID
1	1000	TUNE	06/28 09:00	2524062800	BFB
2	1800	CCV	06/28 09:53	2524062801	CCV
3	3845976	LCS	06/28 10:23	2524062802	LCS for HBN 1236144
4	3845975	MB	06/28 11:24	2524062804	MB for HBN 1236144
5	3366026023	SAMP	06/28 12:05	2524062806	CG-041923-962
6	3366026001	SAMP	06/28 13:27	2524062811	ICT2_062024
7	3366026002	SAMP	06/28 13:47	2524062812	ICT4_062024
8	3366026005	SAMP	06/28 14:28	2524062814	ICT11_062024
9	3366026006	SAMP	06/28 14:48	2524062815	ICT12A_062024
10	3366026007	SAMP	06/28 15:09	2524062816	ICT12B_062024
11	1801	CCV	06/28 19:34	2524062829	CCV

Form 5 - Instrument Performance Check

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

RUNID 25240701

8260D

Tune File 2524070100.D 07/01/24 08:32

m / e	Ion Abundance Criterion	%RA
95	Base Peak, 100% RA	100.00
50	15.00 - 40.00% of mass 95	16.84
75	30.00 - 60.00% of mass 95	46.45
96	5.00 - 9.00% of mass 95	7.31
173	Less than 2.00% of mass 174	1.08 (1.19)
174	Greater than 50.00% of mass 95	91.10
175	5.00 - 9.00% of mass 174	7.87 (8.64)
176	95.00 - 101.00% of mass 174	87.45 (95.99)
177	5.00 - 9.00% of mass 176	5.80 (6.63)

%RA - Percent Relative Abundance

This check applies to the following analyses

	Lab Samp ID	Type	Date	Lab File ID	Sample ID
1	1000	TUNE	07/01 08:32	2524070100	BFB
2	1800	CCV	07/01 09:22	2524070101	CCV
3	3846766	LCS	07/01 09:53	2524070102	LCS for HBN 1238630
4	3846765	MB	07/01 11:15	2524070105	MB for HBN 1238630
5	3366026003	SAMP	07/01 11:35	2524070106	ICT7_062024
6	3366026002	SAMP	07/01 13:17	2524070111	ICT4_062024
7	3366026005	SAMP	07/01 13:37	2524070112	ICT11_062024
8	3366026006	SAMP	07/01 13:58	2524070113	ICT12A_062024
9	3366026007	SAMP	07/01 14:18	2524070114	ICT12B_062024
10	3366026008	SAMP	07/01 14:39	2524070115	ICT12C_062024
11	3366026009	SAMP	07/01 14:59	2524070116	ICT12D_062024
12	3366026010	SAMP	07/01 15:19	2524070117	ICT12D_062024_a
13	3366026011	SAMP	07/01 15:40	2524070118	ICT12E_062024
14	3366026012	SAMP	07/01 16:00	2524070119	ICT13A_062024
15	3366026014	SAMP	07/01 16:41	2524070121	ICT13C_062024
16	3366026015	SAMP	07/01 17:01	2524070122	ICT13D_062024
17	3366026016	SAMP	07/01 17:22	2524070123	ICT13E_062024
18	3366026017	SAMP	07/01 17:42	2524070124	ICT13F_062024
19	3366026018	SAMP	07/01 18:03	2524070125	ICT14A_062024
20	1801	CCV	07/01 19:24	2524070129	CCV

Form 5 - Instrument Performance Check

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

RUNID 25240702

8260D

Tune File 2524070200.D 07/02/24 08:36

m / e	Ion Abundance Criterion	%RA
95	Base Peak, 100% RA	100.00
50	15.00 - 40.00% of mass 95	18.37
75	30.00 - 60.00% of mass 95	47.61
96	5.00 - 9.00% of mass 95	7.22
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	85.89
175	5.00 - 9.00% of mass 174	6.59 (7.68)
176	95.00 - 101.00% of mass 174	83.15 (96.80)
177	5.00 - 9.00% of mass 176	5.30 (6.38)

%RA - Percent Relative Abundance

This check applies to the following analyses

	Lab Samp ID	Type	Date	Lab File ID	Sample ID
1	1000	TUNE	07/02 08:36	2524070200	BFB
2	1800	CCV	07/02 09:27	2524070201	CCV
3	3847312	LCS	07/02 09:58	2524070202Q	LCS for HBN 1239724
4	3847311	MB	07/02 11:20	2524070205Q	MB for HBN 1239724
5	3366026013	SAMP	07/02 11:50	2524070206	ICT13B_062024
6	3366026011	SAMP	07/02 12:31	2524070208	ICT12E_062024
7	3366026010	SAMP	07/02 12:52	2524070209	ICT12D_062024_a
8	3366026009	SAMP	07/02 13:12	2524070210	ICT12D_062024
9	3366026004	SAMP	07/02 13:33	2524070211	ICT8_062024
10	3366026020	SAMP	07/02 14:13	2524070213	ICT14C_062024
11	3366026021	SAMP	07/02 14:34	2524070214	ICT14D_062024
12	3847323	MS	07/02 18:39	2524070226	ICT8_062024MS
13	3847324	MSD	07/02 18:59	2524070227	ICT8_062024MSD
14	1801	CCV	07/02 19:40	2524070229	CCV

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Form 6

Initial Calibration Data

Volatiles by EPA 8260D

Workorder

3366026

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AHH130|HS24061330

07/10/2024

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Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240701 23-8260b09D

Volatiles by EPA 8260D

Instrument ID MS23
ICAL Start Date 01-JUL-2024 1030
ICAL End Date 01-JUL-2024 1229

Calibration Files

Level1 - 23240701.b\2324070104.D
Level2 - 23240701.b\2324070105.D
Level3 - 23240701.b\2324070106.D
Level4 - 23240701.b\2324070107.D
Level5 - 23240701.b\2324070108.D
Level6 - 23240701.b\2324070109.D
Level8 - 23240701.b\2324070103.D

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Dichlorodifluoromethane	4500 8887	55467	209150	570608	1174502	2328944	LINR	-0.000e+00	2.34		1.000	
Chloromethane	0.310 0.291	0.264	0.230	0.241	0.249	0.252	AVRG		0.262		10.9	
Vinyl Chloride	2791 5315	34357	127585	349210	733978	1486294	LINR	-0.000e+00	3.69		0.999	
Bromomethane	4042 5721	29347	97388	264064	575407	1113454	LINR	-0.000e+00	4.88		0.999	
Chloroethane	1458 3120	21418	70909	193823	411696	853862	LINR	-0.000e+00	6.46		0.998	
Pentane	3878 5975	21311	82761	218207	459646	865818	LINR	-0.000e+00	6.22		0.999	
Trichlorofluoromethane	5461 12135	73157	276162	748396	1579474	3071609	LINR	-0.000e+00	1.77		1.000	
Dichlorofluoromethane	0.582 0.604	0.520	0.462	0.523	0.547	0.546	AVRG		0.541		8.51	
Ethyl Ether	0.154 0.177	0.132	0.141	0.156	0.162	0.164	AVRG		0.155		9.61	
1,1-Dichloroethene	0.389 0.379	0.355	0.329	0.352	0.376	0.376	AVRG		0.365		5.65	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240701 23-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 01-JUL-2024 10:30 **ICAL End Date** 01-JUL-2024 12:29 ICAL Summary Page 2 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Freon 113	0.254 0.238	0.222	0.220	0.233	0.247	0.252	AVRG		0.238		5.81	
Carbon Disulfide	0.679 0.748	0.641	0.601	0.667	0.714	0.720	AVRG		0.681		7.37	
Iodomethane	1422 2687	14024	60500	189286	437254	938616	QUAD	0.000e+000	0.134	0.006	0.999	
Acrolein	0.048 0.050	0.042	0.042	0.045	0.047	0.046	AVRG		0.046		6.09	
Isopropyl Alcohol	2990 4282	13167	49095	128491	257152	518942	QUAD	0.001	0.018	0.000	1.000	
3-Chloro-1-propene	0.259 0.260	0.235	0.240	0.258	0.275	0.260	AVRG		0.255		5.32	
Methylene Chloride	0.330 0.318	0.251	0.240	0.256	0.265	0.268	AVRG		0.275		12.6	
Acetone	0.032 0.030	0.025	0.024	0.025	0.025	0.025	AVRG		0.027		11.9	
Methyl acetate	1132 2066	7555	29680	76959	153072	299459	LINR	-0.000e+00	18.1		1.000	
trans-1,2-Dichloroethene	0.314 0.358	0.323	0.308	0.330	0.349	0.350	AVRG		0.333		5.85	
Hexane	10093 16694	56078	226203	597713	1247616	2464786	LINR	-0.000e+00	2.21		1.000	
Methyl t-Butyl Ether	0.945 1.04	0.881	0.855	0.912	0.937	0.941	AVRG		0.931		6.46	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240701 23-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 01-JUL-2024 10:30 **ICAL End Date** 01-JUL-2024 12:29 ICAL Summary Page 3 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
tert.- Butyl Alcohol	0.043 0.044	0.037	0.039	0.041	0.041	0.042	AVRG		0.041		5.56	
Acetonitrile	0.036 0.032	0.028	0.026	0.027	0.028	0.028	AVRG		0.029		11.5	
Diisopropyl ether	0.664 0.659	0.604	0.566	0.612	0.639	0.645	AVRG		0.627		5.58	
Chloroprene	0.361 0.468	0.340	0.324	0.398	0.424	0.426	AVRG		0.391		13.3	
1,1-Dichloroethane	0.447 0.465	0.438	0.402	0.433	0.453	0.460	AVRG		0.443		4.79	
Acrylonitrile	0.117 0.109	0.117	0.101	0.119	0.112	0.110	AVRG		0.112		5.49	
Ethyl tert-butyl ether	0.767 0.893	0.803	0.771	0.828	0.870	0.871	AVRG		0.829		6.13	
n-Propanol	0.016 0.018	0.015	0.014	0.015	0.015	0.016	AVRG		0.016		8.63	
Vinyl Acetate	0.068 0.060	0.066	0.067	0.069	0.075	0.075	AVRG		0.069		7.59	
cis-1,2-Dichloroethene	0.373 0.403	0.346	0.312	0.349	0.360	0.365	AVRG		0.358		7.77	
2,2-Dichloropropane	0.463 0.514	0.458	0.423	0.463	0.484	0.483	AVRG		0.470		6.03	
Bromochloromethane	0.147 0.180	0.146	0.145	0.157	0.158	0.157	AVRG		0.156		7.76	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240701 23-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 01-JUL-2024 10:30 **ICAL End Date** 01-JUL-2024 12:29 ICAL Summary Page 4 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Cyclohexane	0.419 0.415	0.329	0.344	0.362	0.389	0.391	AVRG		0.379		9.14	
Chloroform	0.568 0.631	0.565	0.526	0.566	0.587	0.587	AVRG		0.576		5.51	
Ethyl Acetate	0.351 0.263	0.248	0.238	0.263	0.267	0.259	AVRG		0.270		13.8	
Methyl acrylate	0.225 0.241	0.247	0.232	0.253	0.264	0.266	AVRG		0.247		6.25	
Carbon Tetrachloride	0.397 0.470	0.463	0.454	0.473	0.511	0.505	AVRG		0.468		8.01	
Tetrahydrofuran	0.076 0.067	0.064	0.064	0.067	0.071	0.069	AVRG		0.068		6.27	
1,1,1-Trichloroethane	0.537 0.545	0.507	0.499	0.531	0.558	0.553	AVRG		0.533		4.17	
2-Butanone	0.043 0.043	0.036	0.037	0.038	0.039	0.039	AVRG		0.039		6.39	
1,1-Dichloropropene	0.429 0.401	0.363	0.339	0.369	0.397	0.398	AVRG		0.385		7.77	
1-Chlorobutane	0.281 0.281	0.233	0.222	0.233	0.249	0.252	AVRG		0.250		9.40	
Heptane	3247 5858	20302	87421	224994	468560	934555	LINR	-0.000e+00	5.84		1.000	
Benzene	1.04 1.08	0.958	0.901	0.965	1.01	1.01	AVRG		0.995		5.96	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240701 23-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 01-JUL-2024 10:30 **ICAL End Date** 01-JUL-2024 12:29

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Propionitrile	0.043 0.046	0.039	0.039	0.042	0.043	0.043	AVRG		0.042		5.99	
Methacrylonitrile	0.103 0.125	0.115	0.114	0.121	0.128	0.125	AVRG		0.119		7.28	
tert-Amyl methyl ether	0.812 0.890	0.823	0.776	0.835	0.867	0.865	AVRG		0.838		4.62	
Isobutyl alcohol	0.008 0.009	0.006	0.007	0.008	0.008	0.009	AVRG		0.008		13.4	
1,2-Dichloroethane	0.571 0.533	0.475	0.440	0.471	0.490	0.489	AVRG		0.496		8.73	
tert-Amyl Alcohol	0.032 0.034	0.025	0.029	0.030	0.030	0.031	AVRG		0.030		9.11	
Diisobutylene	34214 41036	82262	268223	674895	1388062	2769852	QUAD	0.020	0.477	0.005	1.000	
Trichloroethene	0.293 0.340	0.279	0.264	0.282	0.301	0.304	AVRG		0.295		8.32	
Methyl cyclohexane	1.01 1.04	0.742	0.819	0.851	0.921	0.883	AVRG		0.896		11.8	
tert-Amyl Ethylether	0.606 0.674	0.595	0.569	0.609	0.640	0.649	AVRG		0.620		5.79	
Dibromomethane	0.205 0.210	0.186	0.183	0.188	0.199	0.205	AVRG		0.196		5.51	
1,2-Dichloropropane	0.232 0.242	0.209	0.198	0.213	0.225	0.227	AVRG		0.221		6.88	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240701 23-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 01-JUL-2024 10:30 **ICAL End Date** 01-JUL-2024 12:29 ICAL Summary Page 6 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Bromodichloromethane	0.409 0.457	0.410	0.388	0.424	0.450	0.451	AVRG		0.427		6.16	
Methyl methacrylate	0.267 0.253	0.230	0.228	0.245	0.253	0.253	AVRG		0.247		5.74	
1,4-Dioxane	0.005 0.005	0.004	0.004	0.004	0.004	0.004	AVRG		0.004		7.22	
2-Chloroethylvinyl ether	1556 3978	17018	67725	204290	457138	974458	QUAD	0.000e+000	0.144	0.005	1.000	
cis-1,3-Dichloropropene	0.952 1.07	0.923	0.947	1.01	1.06	1.03	AVRG		1.000		5.98	
Octane	0.381 0.312	0.262	0.310	0.338	0.365	0.349	AVRG		0.331		12.1	
Toluene	1.63 1.78	1.42	1.33	1.44	1.55	1.49	AVRG		1.52		9.69	
Chloroacetonitrile	0.035 0.044	0.036	0.045	0.044	0.047	0.045	AVRG		0.042		11.8	
2-Nitropropane	0.204 0.235	0.218	0.244	0.259	0.272	0.258	AVRG		0.242		9.97	
1,1-Dichloro-2-Propanone	0.017 0.018	0.020	0.022	0.023	0.023	0.022	AVRG		0.021		11.6	
4-Methyl-2-Pentanone(MIBK)	0.525 0.554	0.484	0.527	0.545	0.562	0.533	AVRG		0.533		4.81	
trans-1,3-Dichloropropene	1.06 1.10	0.985	0.999	1.05	1.12	1.07	AVRG		1.06		4.65	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240701 23-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 01-JUL-2024 10:30 **ICAL End Date** 01-JUL-2024 12:29 ICAL Summary Page 7 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Tetrachloroethene	0.647 0.657	0.551	0.557	0.579	0.625	0.586	AVRG		0.600		7.12	
Ethyl Methacrylate	0.828 0.810	0.763	0.817	0.853	0.912	0.872	AVRG		0.836		5.74	
1,1,2-Trichloroethane	0.463 0.519	0.449	0.428	0.450	0.473	0.449	AVRG		0.462		6.28	
Chlorodibromomethane	0.790 0.759	0.736	0.755	0.807	0.858	0.826	AVRG		0.790		5.50	
1,3-Dichloropropane	1.06 1.04	0.908	0.919	0.960	1.01	0.970	AVRG		0.982		6.05	
1,2-Dibromoethane	0.631 0.742	0.587	0.618	0.640	0.690	0.662	AVRG		0.653		7.81	
2-Hexanone	0.362 0.378	0.359	0.389	0.400	0.413	0.394	AVRG		0.385		5.20	
1-Chlorohexane	0.780 0.906	0.611	0.689	0.741	0.821	0.792	AVRG		0.763		12.4	
Chlorobenzene	1.75 1.99	1.60	1.58	1.68	1.80	1.71	AVRG		1.73		7.94	
Ethylbenzene	0.946 0.979	0.801	0.819	0.871	0.936	0.901	AVRG		0.893		7.45	
1,1,1,2-Tetrachloroethane	0.690 0.726	0.682	0.658	0.695	0.743	0.707	AVRG		0.700		4.03	
mp-Xylene	1.07 1.19	1.04	1.02	1.08	1.16	1.10	AVRG		1.09		5.81	

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Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240701 23-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 01-JUL-2024 10:30 **ICAL End Date** 01-JUL-2024 12:29 ICAL Summary Page 8 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
o-Xylene	1.08 1.15	1.00	1.00	1.07	1.15	1.11	AVRG		1.08		5.74	
Styrene	1.60 1.76	1.60	1.63	1.80	1.87	1.78	AVRG		1.72		6.21	
Bromoform	0.580 0.553	0.524	0.531	0.574	0.605	0.579	AVRG		0.564		5.18	
Isopropylbenzene	2.70 2.81	2.32	2.35	2.52	2.69	2.52	AVRG		2.56		7.20	
100 1,2-Dichloroethene, Total	0.344 0.381	0.335	0.310	0.340	0.355	0.357	AVRG		0.346		6.33	
Bromobenzene	0.788 0.777	0.734	0.702	0.751	0.803	0.761	AVRG		0.760		4.50	
n-Propylbenzene	0.803 0.811	0.693	0.673	0.736	0.787	0.756	AVRG		0.751		7.15	
1,1,2,2-Tetrachloroethane	0.834 0.725	0.680	0.711	0.735	0.756	0.714	AVRG		0.736		6.65	
o-Chlorotoluene	2.53 2.44	2.07	2.06	2.18	2.32	2.20	AVRG		2.26		8.05	
1,3,5-Trimethylbenzene	2.51 2.43	2.24	2.22	2.36	2.49	2.32	AVRG		2.37		4.88	
1,2,3-Trichloropropane	0.360 0.320	0.287	0.291	0.313	0.316	0.296	AVRG		0.312		7.98	
trans-1,4-Dichloro-2-butene	0.258 0.231	0.231	0.249	0.274	0.292	0.280	AVRG		0.259		9.29	

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Workorder 3366026

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Volatiles by EPA 8260D

ICAL Start Date 01-JUL-2024 10:30 **ICAL End Date** 01-JUL-2024 12:29 ICAL Summary Page 9 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
p-Chlorotoluene	2.15 2.21	1.94	1.87	2.01	2.15	2.02	AVRG		2.05		6.20	
tert-Butylbenzene	0.549 0.589	0.533	0.513	0.564	0.587	0.559	AVRG		0.556		4.93	
Pentachloroethane	0.578 0.518	0.418	0.468	0.505	0.533	0.511	AVRG		0.505		9.99	
1,2,4-Trimethylbenzene	2.62 2.62	2.27	2.24	2.41	2.55	2.37	AVRG		2.44		6.55	
sec-Butylbenzene	2.96 3.06	2.49	2.58	2.78	2.93	2.71	AVRG		2.79		7.44	
p-Isopropyltoluene	0.685 0.676	0.586	0.610	0.654	0.696	0.652	AVRG		0.651		6.17	
1,3-Dichlorobenzene	1.54 1.54	1.26	1.29	1.36	1.45	1.36	AVRG		1.40		8.02	
1,4-Dichlorobenzene	1.55 1.53	1.32	1.32	1.38	1.47	1.38	AVRG		1.42		6.72	
Benzyl Chloride	0.339 0.265	0.287	0.306	0.321	0.345	0.332	AVRG		0.313		9.35	
n-Butylbenzene	0.584 0.591	0.541	0.554	0.594	0.631	0.588	AVRG		0.583		5.05	
Hexachloroethane	0.488 0.537	0.408	0.447	0.485	0.523	0.495	AVRG		0.483		9.08	
1,2-Dichlorobenzene	1.46 1.50	1.29	1.25	1.33	1.41	1.34	AVRG		1.37		6.58	

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Workorder 3366026

RunID 23240701 23-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 01-JUL-2024 10:30 **ICAL End Date** 01-JUL-2024 12:29 ICAL Summary Page 10 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
1,2-Dibromo-3-chloropropane	0.192 / 0.213	0.187	0.201	0.212	0.218	0.210	AVRG		0.205		5.77	
Nitrobenzene	3250 / 7152	34287	174292	537163	1173445	2516848	QUAD	-0.053	0.087	0.000	0.999	
Hexachlorobutadiene	0.488 / 0.405	0.343	0.369	0.404	0.407	0.371	AVRG		0.398		11.7	
120 1,3-Dichloropropene, Total	1.01 / 1.09	0.954	0.973	1.03	1.09	1.05	AVRG		1.03		5.16	
1,2,4-Trichlorobenzene	0.866 / 0.879	0.825	0.842	0.898	0.939	0.878	AVRG		0.875		4.24	
121 Total Xylenes	1.08 / 1.18	1.03	1.01	1.08	1.16	1.10	AVRG		1.09		5.71	
Naphthalene	2.34 / 2.43	2.17	2.44	2.63	2.72	2.53	AVRG		2.47		7.37	
1,2,3-Trichlorobenzene	1.02 / 0.977	0.793	0.830	0.903	0.955	0.903	AVRG		0.912		8.82	
41 Dibromofluoromethane	0.287 / 0.292	0.294	0.303	0.303	0.289	0.296	AVRG		0.295		2.19	
51 1,2-Dichloroethane-d4	0.408 / 0.405	0.418	0.431	0.437	0.404	0.405	AVRG		0.415		3.27	
68 Toluene-d8	2.32 / 2.34	2.33	2.32	2.36	2.36	2.36	AVRG		2.34		0.774	
92 4-Bromofluorobenzene	0.827 / 0.772	0.862	0.796	0.842	0.860	0.851	AVRG		0.830		4.13	

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Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240625 25-8260b09D

Volatiles by EPA 8260D

Instrument ID MS25
ICAL Start Date 25-JUN-2024 1103
ICAL End Date 25-JUN-2024 1305

Calibration Files

Level1 - 25240625.b\2524062504.D
Level2 - 25240625.b\2524062505.D
Level3 - 25240625.b\2524062506.D
Level4 - 25240625.b\2524062507.D
Level5 - 25240625.b\2524062508.D
Level6 - 25240625.b\2524062509.D
Level8 - 25240625.b\2524062503.D

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Dichlorodifluoromethane	0.405 0.265	0.329	0.304	0.329	0.359	0.333	AVRG		0.332		13.1	
Chloromethane	7701 10647	52986	186575	540092	1078871	2190978	WLINR	-0.004	3.46		0.999	
Vinyl Chloride	0.463 0.320	0.373	0.339	0.372	0.397	0.363	AVRG		0.375		12.3	
Bromomethane	6439 8135	37472	128221	348305	683038	1305713	WLINR	-0.015	5.62		0.998	
Chloroethane	7553 12457	49249	167849	473353	939865	1905246	WLINR	-0.010	3.97		0.999	
Pentane	13487 17356	50203	154298	429548	877950	1732989	WLINR	-0.035	4.37		0.998	
Trichlorofluoromethane	0.609 0.448	0.522	0.475	0.508	0.542	0.494	AVRG		0.514		10.1	
Dichlorofluoromethane	0.413 0.405	0.507	0.458	0.513	0.535	0.499	AVRG		0.476		10.8	
Ethyl Ether	0.128 0.122	0.144	0.145	0.157	0.162	0.155	AVRG		0.145		10.3	
1,1-Dichloroethene	0.259 0.260	0.297	0.272	0.302	0.325	0.306	AVRG		0.289		8.83	

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Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240625 25-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 25-JUN-2024 11:03 **ICAL End Date** 25-JUN-2024 13:05 ICAL Summary Page 2 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Freon 113	0.174 0.182	0.216	0.188	0.213	0.232	0.216	AVRG		0.203		10.6	
Carbon Disulfide	0.587 0.536	0.603	0.575	0.670	0.715	0.672	AVRG		0.623		10.3	
Iodomethane	1008 2132	12856	55931	202377	423659	874390	WLINR	0.017	8.85		0.993	
Acrolein	0.048 0.040	0.046	0.044	0.049	0.051	0.049	AVRG		0.047		8.35	
Isopropyl Alcohol	3328 4784	13242	48509	143259	289391	563852	WLINR	-0.106	66.6		0.997	
3-Chloro-1-propene	3005 7346	45996	163615	502818	973704	1831594	WLINR	0.006	3.96		0.996	
Methylene Chloride	0.204 0.223	0.246	0.226	0.251	0.257	0.243	AVRG		0.236		7.97	
Acetone	0.027 0.028	0.025	0.024	0.026	0.027	0.025	AVRG		0.026		5.46	
Methyl acetate	2035 2657	9079	35525	106383	195422	401646	WLINR	-0.014	18.8		0.999	
trans-1,2-Dichloroethene	0.243 0.256	0.288	0.267	0.307	0.320	0.297	AVRG		0.283		9.97	
Hexane	15367 20884	86426	304896	870351	1762469	3534639	WLINR	-0.010	2.14		0.998	
Methyl t-Butyl Ether	9076 19555	120315	466744	1393184	2707334	5465615	WLINR	0.008	1.37		0.999	

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Workorder 3366026

RunID 25240625 25-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 25-JUN-2024 11:03 **ICAL End Date** 25-JUN-2024 13:05 ICAL Summary Page 3 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
tert.- Butyl Alcohol	0.023 0.024	0.024	0.026	0.028	0.030	0.027	AVRG		0.026		9.72	
Acetonitrile	0.027 0.025	0.030	0.028	0.032	0.033	0.030	AVRG		0.029		9.61	
Diisopropyl ether	0.517 0.556	0.644	0.607	0.687	0.708	0.671	AVRG		0.627		11.2	
Chloroprene	0.270 0.264	0.311	0.307	0.352	0.368	0.354	AVRG		0.318		13.0	
1,1-Dichloroethane	0.324 0.332	0.404	0.365	0.421	0.436	0.414	AVRG		0.385		11.7	
Acrylonitrile	0.080 0.083	0.103	0.099	0.112	0.117	0.109	AVRG		0.100		14.2	
Ethyl tert-butyl ether	0.536 0.551	0.665	0.658	0.739	0.774	0.740	AVRG		0.666		14.0	
n-Propanol	0.014 0.012	0.012	0.011	0.012	0.013	0.012	AVRG		0.012		8.23	
Vinyl Acetate	715 1240	9677	38506	126310	244750	502264	WLINR	0.013	15.1		0.998	
cis-1,2-Dichloroethene	0.243 0.251	0.294	0.281	0.310	0.322	0.305	AVRG		0.287		10.5	
2,2-Dichloropropane	0.278 0.270	0.309	0.290	0.326	0.348	0.326	AVRG		0.307		9.34	
Bromochloromethane	0.100 0.098	0.128	0.124	0.141	0.142	0.132	AVRG		0.124		14.4	

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Workorder 3366026

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Volatiles by EPA 8260D

ICAL Start Date 25-JUN-2024 11:03 **ICAL End Date** 25-JUN-2024 13:05 ICAL Summary Page 4 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Cyclohexane	0.329 0.306	0.344	0.316	0.354	0.389	0.369	AVRG		0.344		8.51	
Chloroform	0.360 0.344	0.430	0.401	0.451	0.476	0.447	AVRG		0.416		11.8	
Ethyl Acetate	6710 8670	42053	158992	472909	938737	1869543	WLINR	-0.003	4.02		0.998	
Methyl acrylate	0.213 0.191	0.223	0.224	0.250	0.265	0.249	AVRG		0.231		11.0	
Carbon Tetrachloride	2612 6249	45979	178993	556541	1141242	2364065	WLINR	0.014	3.24		0.997	
Tetrahydrofuran	0.069 0.063	0.068	0.066	0.075	0.078	0.074	AVRG		0.071		7.34	
1,1,1-Trichloroethane	0.253 0.278	0.325	0.318	0.355	0.376	0.359	AVRG		0.324		13.9	
2-Butanone	0.031 0.031	0.034	0.033	0.036	0.038	0.036	AVRG		0.034		7.73	
1,1-Dichloropropene	0.280 0.252	0.316	0.290	0.331	0.346	0.327	AVRG		0.306		10.9	
1-Chlorobutane	0.234 0.167	0.199	0.175	0.197	0.210	0.197	AVRG		0.197		11.3	
Heptane	0.195 0.160	0.183	0.158	0.175	0.194	0.179	AVRG		0.178		8.30	
Benzene	0.945 0.864	0.948	0.879	0.978	1.01	0.958	AVRG		0.941		5.62	

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Workorder 3366026

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Volatiles by EPA 8260D

ICAL Start Date 25-JUN-2024 11:03 **ICAL End Date** 25-JUN-2024 13:05 ICAL Summary Page 5 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Propionitrile	0.030 0.035	0.037	0.037	0.042	0.043	0.041	AVRG		0.038		12.3	
Methacrylonitrile	0.114 0.085	0.106	0.111	0.125	0.130	0.125	AVRG		0.114		13.5	
tert-Amyl methyl ether	0.545 0.560	0.620	0.624	0.711	0.739	0.703	AVRG		0.643		11.8	
Isobutyl alcohol	394 1830	7621	34403	96464	211992	461252	WLINR	0.134	171		0.995	
1,2-Dichloroethane	0.291 0.272	0.298	0.275	0.315	0.318	0.301	AVRG		0.296		6.04	
tert-Amyl Alcohol	0.018 0.021	0.017	0.019	0.021	0.022	0.022	AVRG		0.020		10.2	
Diisobutylene	44441 50206	125872	376363	1061231	2168082	4304948	WLINR	-0.050	1.77		0.997	
Trichloroethene	0.246 0.210	0.231	0.215	0.254	0.260	0.251	AVRG		0.238		8.37	
Methyl cyclohexane	0.936 0.905	0.978	0.920	1.01	1.06	1.01	AVRG		0.973		5.67	
tert-Amyl Ethylether	7238 14413	87789	354280	1054026	2075694	4280148	WLINR	0.009	1.77		0.999	
Dibromomethane	0.130 0.125	0.145	0.149	0.166	0.172	0.166	AVRG		0.151		12.2	
1,2-Dichloropropane	0.194 0.200	0.226	0.217	0.245	0.257	0.245	AVRG		0.226		10.6	

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Workorder 3366026

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Volatiles by EPA 8260D

ICAL Start Date 25-JUN-2024 11:03 **ICAL End Date** 25-JUN-2024 13:05 ICAL Summary Page 6 / 10

Compound	0.500 Level 8	1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Bromodichloromethane	3592	7191	47880	189702	593498	1172803	2408792	WLINR	0.011	3.15		0.998	
Methyl methacrylate	0.136	0.162	0.172	0.171	0.197	0.213	0.203	AVRG		0.179		14.8	
1,4-Dioxane	0.004	0.003	0.004	0.003	0.004	0.004	0.003	AVRG		0.004		8.24	
2-Chloroethylvinyl ether	1903	3719	23423	95250	300617	612756	1290655	WLINR	0.012	5.99		0.997	
cis-1,3-Dichloropropene	4396	10566	57636	247573	767185	1499905	3091062	WLINR	0.009	0.980		0.999	
Octane	0.381	0.308	0.356	0.362	0.384	0.410	0.381	AVRG		0.369		8.64	
Toluene	1.73	1.41	1.46	1.37	1.56	1.55	1.47	AVRG		1.51		7.88	
Chloroacetonitrile	0.037	0.030	0.033	0.035	0.044	0.044	0.040	AVRG		0.038		13.5	
2-Nitropropane	3617	7049	42330	186383	593939	1224339	2564073	WLINR	0.062	6.01		0.997	
1,1-Dichloro-2-Propanone	307	649	4269	18693	56995	120735	244954	WLINR	0.065	62.2		0.997	
4-Methyl-2-Pentanone(MIBK)	15196	29113	187763	770302	2330999	4540988	8734882	WLINR	0.034	1.68		0.997	
trans-1,3-Dichloropropene	4340	8929	54063	223814	694418	1390540	2883334	WLINR	0.010	1.06		0.998	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240625 25-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 25-JUN-2024 11:03 **ICAL End Date** 25-JUN-2024 13:05 ICAL Summary Page 7 / 10

Compound	0.500 Level 8	1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Tetrachloroethene	0.500	0.491	0.554	0.529	0.591	0.602	0.571	AVRG		0.548		7.93	
Ethyl Methacrylate	3766	8256	51147	223797	687236	1354483	2747208	WLINR	0.011	1.10		0.998	
1,1,2-Trichloroethane	0.376	0.441	0.466	0.457	0.514	0.508	0.476	AVRG		0.463		9.98	
Chlorodibromomethane	2392	5551	36996	154197	487189	980105	2002816	WLINR	0.012	1.51		0.998	
1,3-Dichloropropane	0.755	0.805	0.901	0.922	1.03	1.03	0.959	AVRG		0.914		11.4	
1,2-Dibromoethane	2751	6550	39025	153645	464742	921715	1854429	WLINR	0.008	1.62		0.999	
2-Hexanone	9727	21128	125367	515146	1586898	3096661	6043549	WLINR	0.037	2.44		0.997	
1-Chlorohexane	0.765	0.588	0.806	0.753	0.876	0.906	0.850	AVRG		0.792		13.4	
Chlorobenzene	1.35	1.32	1.54	1.50	1.69	1.71	1.63	AVRG		1.53		10.1	
Ethylbenzene	9240	13774	58271	219414	661770	1327438	2724522	WLINR	-0.004	1.12		0.999	
1,1,1,2-Tetrachloroethane	2323	4988	34773	142310	438151	867838	1749666	WLINR	0.011	1.72		0.998	
mp-Xylene	30052	36347	154227	535925	1603689	3168696	6367993	WLINR	-0.026	0.946		0.998	

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Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240625 25-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 25-JUN-2024 11:03 **ICAL End Date** 25-JUN-2024 13:05 ICAL Summary Page 8 / 10

Compound	0.500 Level 8	1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
o-Xylene	1.26	0.946	0.920	0.903	1.05	1.06	1.00	AVRG		1.02		12.1	
Styrene	7432	15866	91709	391500	1227060	2454318	4976988	WLINR	0.010	0.560		0.998	
Bromoform	2337	3823	22861	102722	330003	690099	1437569	WLINR	0.012	1.98		0.996	
Isopropylbenzene	13069	26101	150199	566222	1751429	3465736	6796201	WLINR	0.005	0.403		0.999	
100 1,2-Dichloroethene, Total	0.243	0.253	0.291	0.274	0.309	0.321	0.301	AVRG		0.285		10.2	
Bromobenzene	0.641	0.641	0.707	0.668	0.747	0.787	0.773	AVRG		0.709		8.66	
n-Propylbenzene	0.744	0.602	0.698	0.672	0.764	0.805	0.793	AVRG		0.725		10.0	
1,1,2,2-Tetrachloroethane	0.581	0.580	0.693	0.706	0.776	0.804	0.795	AVRG		0.705		13.5	
o-Chlorotoluene	1.71	1.69	1.90	1.81	2.02	2.13	2.10	AVRG		1.91		9.40	
1,3,5-Trimethylbenzene	2.01	1.77	1.95	1.88	2.11	2.24	2.17	AVRG		2.02		8.23	
1,2,3-Trichloropropane	0.176	0.217	0.232	0.226	0.242	0.253	0.247	AVRG		0.227		11.4	
trans-1,4-Dichloro-2-butene	1054	1628	11562	47099	149889	297095	609147	WLINR	0.010	4.60		0.998	

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Form 6 Initial Calibration Data

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240625 25-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 25-JUN-2024 11:03 **ICAL End Date** 25-JUN-2024 13:05 ICAL Summary Page 9 / 10

Compound	0.500 Level 8	1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
p-Chlorotoluene	1.61	1.47	1.74	1.66	1.85	1.91	1.87	AVRG		1.73		9.23	
tert-Butylbenzene	0.416	0.378	0.501	0.481	0.528	0.544	0.531	AVRG		0.483		13.1	
Pentachloroethane	2125	4178	25931	104294	332675	667170	1367796	WLINR	0.010	2.05		0.998	
1,2,4-Trimethylbenzene	20714	27718	132392	488792	1510193	2964649	5884390	WLINR	-0.005	0.469		0.999	
sec-Butylbenzene	2.25	2.04	2.55	2.43	2.70	2.82	2.66	AVRG		2.49		11.0	
p-Isopropyltoluene	0.480	0.478	0.583	0.554	0.617	0.655	0.632	AVRG		0.571		12.4	
1,3-Dichlorobenzene	1.00	1.10	1.20	1.14	1.28	1.33	1.31	AVRG		1.19		10.0	
1,4-Dichlorobenzene	1.18	1.12	1.22	1.17	1.32	1.37	1.36	AVRG		1.25		8.19	
Benzyl Chloride	736	2620	12513	59767	194577	405519	867235	WLINR	0.016	3.32		0.994	
n-Butylbenzene	0.592	0.451	0.496	0.485	0.550	0.585	0.577	AVRG		0.534		10.5	
Hexachloroethane	1752	3087	20694	85914	284589	590317	1225691	WLINR	0.013	2.32		0.996	
1,2-Dichlorobenzene	0.945	1.03	1.12	1.10	1.22	1.27	1.27	AVRG		1.14		11.0	

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Form 6 Initial Calibration Data

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Project AHH130|HS24061330

Workorder 3366026

RunID 25240625 25-8260b09D

Volatiles by EPA 8260D

ICAL Start Date 25-JUN-2024 11:03 **ICAL End Date** 25-JUN-2024 13:05 ICAL Summary Page 10 / 10

Compound	0.500 Level 8 / 1.00 Level 1	5.00 Level 2	20.0 Level 3	50.0 Level 4	100 Level 5	200 Level 6	Curve	b	m1	m2	%RSD or R2	Q
1,2-Dibromo-3-chloropropane	380 1191	6452	27852	86909	187226	386483	WLINR	0.014	7.36		0.996	
Nitrobenzene	1713 3058	15593	74725	289112	699975	1663438	QUAD	0.000e+000	0.039	0.000	0.999	
Hexachlorobutadiene	1952 2971	21249	82540	257277	520622	1058167	WLINR	0.008	2.64		0.998	
120 1,3-Dichloropropene, Total	8736 19495	111699	471387	1461603	2890445	5974396	WLINR	0.019	1.02		0.999	
1,2,4-Trichlorobenzene	0.674 0.641	0.693	0.697	0.816	0.878	0.878	AVRG		0.754		13.3	
121 Total Xylenes	38742 49625	219745	785145	2376968	4684805	9434263	WLINR	-0.027	0.958		0.998	
Naphthalene	10056 18088	109460	463248	1514181	3095315	6235557	WLINR	0.011	0.448		0.997	
1,2,3-Trichlorobenzene	3948 7150	45198	178753	573042	1155326	2411703	WLINR	0.010	1.17		0.997	
41 Dibromofluoromethane	0.230 0.233	0.243	0.235	0.237	0.242	0.236	AVRG		0.237		2.04	
51 1,2-Dichloroethane-d4	0.258 0.252	0.264	0.250	0.241	0.250	0.232	AVRG		0.250		4.18	
68 Toluene-d8	2.47 2.39	2.46	2.43	2.35	2.34	2.19	AVRG		2.38		4.06	
92 4-Bromofluorobenzene	0.858 0.818	0.847	0.853	0.782	0.857	0.795	AVRG		0.830		3.81	

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Form 6I

Initial Calibration Verification (ICV)

Volatiles by EPA 8260D

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Form 6I Initial Calibration Verification (ICV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

8260D

RunID 23240701_2324070115ICVQ.D

Sample Matrix LIQUID
Lab Smp Id ICVQ
Data Type MS DATA
File ID 2324070115ICVQ.D
Fraction VOA
SampleType ICV
Inj Date 01-JUL-2024 1429

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Dichlorodifluoromethane	20.0	21.5	108	80-120	
Chloromethane	20.0	21.0	105	80-120	
Vinyl Chloride	20.0	21.0	105	80-120	
Bromomethane	20.0	19.8	98.8	80-120	
Chloroethane	20.0	20.7	104	80-120	
Pentane	20.0	21.3	106	80-120	
Trichlorofluoromethane	20.0	20.0	100	80-120	
Dichlorofluoromethane	20.0	20.2	101	80-120	
Ethyl Ether	20.0	20.0	100	80-120	
1,1-Dichloroethene	20.0	20.5	103	80-120	
Freon 113	20.0	21.4	107	80-120	
Carbon Disulfide	20.0	20.7	103	80-120	
Iodomethane	20.0	17.6	87.8	80-120	
Acrolein	150	150	100	80-120	
Isopropyl Alcohol	100	97.8	97.8	80-120	
3-Chloro-1-propene	20.0	22.2	111	80-120	
Methylene Chloride	20.0	19.0	95.0	80-120	
Acetone	100	93.1	93.0	80-120	
Methyl acetate	20.0	21.1	106	80-120	
trans-1,2-Dichloroethene	20.0	20.3	102	80-120	
Hexane	20.0	19.8	98.8	80-120	
Methyl t-Butyl Ether	20.0	19.8	99.2	80-120	
tert.- Butyl Alcohol	100	93.2	93.2	80-120	
Acetonitrile	100	92.7	92.7	80-120	
Diisopropyl ether	20.0	19.8	98.8	80-120	
Chloroprene	20.0	17.0	85.1	80-120	
1,1-Dichloroethane	20.0	19.5	97.6	80-120	
Acrylonitrile	100	100	100	80-120	
Ethyl tert-butyl ether	20.0	20.7	104	80-120	
n-Propanol	200	183	91.7	80-120	
Vinyl acetate	20.0	17.9	89.6	80-120	
cis-1,2-Dichloroethene	20.0	19.6	97.8	80-120	
2,2-Dichloropropane	20.0	18.0	90.1	80-120	
Bromochloromethane	20.0	20.8	104	80-120	

Form 6I Initial Calibration Verification (ICV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

8260D

RunID 23240701_2324070115ICVQ.D

Sample Matrix LIQUID
Lab Smp Id ICVQ
Data Type MS DATA
File ID 2324070115ICVQ.D
Fraction VOA
SampleType ICV
Inj Date 01-JUL-2024 1429

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Cyclohexane	20.0	21.0	105	80-120	
Chloroform	20.0	19.7	98.6	80-120	
Ethyl acetate	20.0	18.2	91.0	80-120	
Methyl acrylate	20.0	20.3	102	80-120	
Carbon Tetrachloride	20.0	21.0	105	80-120	
Tetrahydrofuran	100	96.7	96.7	80-120	
1,1,1-Trichloroethane	20.0	20.4	102	80-120	
2-Butanone	100	94.0	94.0	80-120	
1,1-Dichloropropene	20.0	20.0	100	80-120	
1-Chlorobutane	20.0	19.9	99.6	80-120	
Heptane	20.0	19.5	97.4	80-120	
Benzene	20.0	19.8	99.0	80-120	
Propionitrile	100	87.7	87.7	80-120	
Methacrylonitrile	20.0	21.3	106	80-120	
tert-amyl methyl E	20.0	20.6	103	80-120	
1,2-Dichloroethane	20.0	18.8	94.0	80-120	
tert-Amyl Alcohol	100	91.1	91.1	80-120	
Isobutyl alcohol	200	187	93.7	80-120	
Diisobutylene	20.0	20.5	103	80-120	
Trichloroethene	20.0	19.8	98.8	80-120	
Methyl cyclohexane	20.0	19.6	97.8	80-120	
tert-Amyl Ethylether	20.0	18.9	94.5	80-120	
Dibromomethane	20.0	19.8	99.2	80-120	
1,2-Dichloropropane	20.0	19.9	99.6	80-120	
Bromodichloromethane	20.0	20.1	100	80-120	
Methyl methacrylate	20.0	18.9	94.5	80-120	
1,4-Dioxane	500	450	89.9	80-120	
2-Chloroethylvinyl ether	20.0	17.7	88.6	80-120	
cis-1,3-Dichloropropene	20.0	19.2	95.8	80-120	
Octane	20.0	19.4	97.2	80-120	
Toluene	20.0	19.7	98.4	80-120	
Chloroacetonitrile	100	98.5	98.5	80-120	
2-Nitropropane	100	97.4	97.4	80-120	
1,1-Dichloro-2-pro	100	100	100	80-120	

Form 6I Initial Calibration Verification (ICV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

8260D

RunID 23240701_2324070115ICVQ.D

Sample Matrix LIQUID
Lab Smp Id ICVQ
Data Type MS DATA
File ID 2324070115ICVQ.D
Fraction VOA
SampleType ICV
Inj Date 01-JUL-2024 1429

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
4-Methyl-2-Pentanone(MIBK)	100	99.7	99.7	80-120	
Tetrachloroethene	20.0	20.5	103	80-120	
trans-1,3-Dichloropropene	20.0	19.7	98.7	80-120	
Ethyl methacrylate	20.0	19.7	98.4	80-120	
1,1,2-Trichloroethane	20.0	20.1	101	80-120	
Chlorodibromomethane	20.0	19.6	98.1	80-120	
1,3-Dichloropropane	20.0	19.3	96.4	80-120	
1,2-Dibromoethane	20.0	19.1	95.7	80-120	
2-Hexanone	100	97.1	97.2	80-120	
1-Chlorohexane	20.0	19.9	99.5	80-120	
Chlorobenzene	20.0	19.5	97.7	80-120	
Ethylbenzene	20.0	19.7	98.3	80-120	
1,1,1,2-Tetrachloroethane	20.0	20.0	99.9	80-120	
mp-Xylene	40.0	40.0	100	80-120	
o-Xylene	20.0	20.0	99.8	80-120	
Styrene	20.0	21.2	106	80-120	
Bromoform	20.0	19.4	96.8	80-120	
Isopropylbenzene	20.0	22.4	112	80-120	
Bromobenzene	20.0	20.1	101	80-120	
n-Propylbenzene	20.0	19.7	98.4	80-120	
1,1,2,2-Tetrachloroethane	20.0	19.7	98.3	80-120	
o-Chlorotoluene	20.0	19.8	98.9	80-120	
1,3,5-Trimethylbenzene	20.0	20.5	102	80-120	
1,2,3-Trichloropropane	20.0	19.1	95.7	80-120	
trans-1,4-Dichloro-2-butene	20.0	18.8	93.8	80-120	
1,2-Dichloroethene, Total	40.0	39.9	99.8	80-120	
p-Chlorotoluene	20.0	19.8	99.2	80-120	
tert-Butylbenzene	20.0	20.5	102	80-120	
Pentachloroethane	20.0	18.5	92.4	80-120	
1,2,4-Trimethylbenzene	20.0	20.2	101	80-120	
sec-Butylbenzene	20.0	20.5	102	80-120	
p-Isopropyltoluene	20.0	20.1	101	80-120	
1,3-Dichlorobenzene	20.0	19.4	97.2	80-120	
1,4-Dichlorobenzene	20.0	19.8	98.9	80-120	

Form 6I Initial Calibration Verification (ICV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240701_2324070115ICVQ.D

8260D

Sample Matrix LIQUID
Lab Smp Id ICVQ
Data Type MS DATA
File ID 2324070115ICVQ.D
Fraction VOA
SampleType ICV
Inj Date 01-JUL-2024 1429

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Benzyl Chloride	20.0	16.9	84.4	80-120	
n-Butylbenzene	20.0	20.8	104	80-120	
Hexachloroethane	20.0	20.5	102	80-120	
1,2-Dichlorobenzene	20.0	19.8	98.9	80-120	
1,2-Dibromo-3-chloropropane	20.0	18.0	89.8	80-120	
Nitrobenzene	200	168	84.2	80-120	
Hexachlorobutadiene	20.0	20.7	103	80-120	
1,2,4-Trichlorobenzene	20.0	21.5	108	80-120	
Naphthalene	20.0	20.6	103	80-120	
1,2,3-Trichlorobenzene	20.0	19.0	94.8	80-120	
1,3-Dichloropropene, Total	40.0	38.9	97.2	80-120	
121 TOTAL XYLENES	60.0	60.0	100	80-120	

Form 6I Initial Calibration Verification (ICV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

8260D

RunID 25240625_2524062515ICVQ.D

Sample Matrix LIQUID
Lab Smp Id ICVQ
Data Type MS DATA
File ID 2524062515ICVQ.D
Fraction VOA
SampleType ICV
Inj Date 25-JUN-2024 1508

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Dichlorodifluoromethane	20.0	20.7	103	80-120	
Chloromethane	20.0	19.5	97.7	80-120	
Vinyl Chloride	20.0	20.4	102	80-120	
Bromomethane	20.0	20.3	102	80-120	
Chloroethane	20.0	21.2	106	80-120	
Pentane	20.0	20.7	104	80-120	
Trichlorofluoromethane	20.0	20.4	102	80-120	
Dichlorofluoromethane	20.0	23.2	116	80-120	
Ethyl Ether	20.0	21.6	108	80-120	
1,1-Dichloroethene	20.0	22.8	114	80-120	
Freon 113	20.0	22.8	114	80-120	
Carbon Disulfide	20.0	21.7	108	80-120	
Iodomethane	20.0	16.8	84.0	80-120	
Acrolein	150	159	106	80-120	
Isopropyl Alcohol	100	103	103	80-120	
3-Chloro-1-propene	20.0	22.9	115	80-120	
Methylene Chloride	20.0	22.3	111	80-120	
Acetone	100	107	107	80-120	
Methyl acetate	20.0	21.2	106	80-120	
trans-1,2-Dichloroethene	20.0	23.0	115	80-120	
Hexane	20.0	20.9	105	80-120	
Methyl t-Butyl Ether	20.0	20.7	103	80-120	
tert.- Butyl Alcohol	100	112	112	80-120	
Acetonitrile	100	111	111	80-120	
Diisopropyl ether	20.0	22.5	113	80-120	
Chloroprene	20.0	22.9	114	80-120	
1,1-Dichloroethane	20.0	22.6	113	80-120	
Acrylonitrile	100	114	114	80-120	
Ethyl tert-butyl ether	20.0	23.2	116	80-120	
n-Propanol	200	208	104	80-120	
Vinyl acetate	20.0	18.9	94.5	80-120	
cis-1,2-Dichloroethene	20.0	22.6	113	80-120	
2,2-Dichloropropane	20.0	20.5	103	80-120	
Bromochloromethane	20.0	23.4	117	80-120	

Form 6I Initial Calibration Verification (ICV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

8260D

RunID 25240625_2524062515ICVQ.D

Sample Matrix LIQUID
Lab Smp Id ICVQ
Data Type MS DATA
File ID 2524062515ICVQ.D
Fraction VOA
SampleType ICV
Inj Date 25-JUN-2024 1508

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Cyclohexane	20.0	22.6	113	80-120	
Chloroform	20.0	22.8	114	80-120	
Ethyl acetate	20.0	20.0	99.9	80-120	
Methyl acrylate	20.0	22.6	113	80-120	
Carbon Tetrachloride	20.0	19.7	98.3	80-120	
Tetrahydrofuran	100	106	106	80-120	
1,1,1-Trichloroethane	20.0	23.6	118	80-120	
2-Butanone	100	110	110	80-120	
1,1-Dichloropropene	20.0	22.3	112	80-120	
1-Chlorobutane	20.0	21.5	107	80-120	
Heptane	20.0	20.9	104	80-120	
Benzene	20.0	21.5	108	80-120	
Propionitrile	100	111	111	80-120	
Methacrylonitrile	20.0	22.2	111	80-120	
tert-amyl methyl E	20.0	23.0	115	80-120	
1,2-Dichloroethane	20.0	21.8	109	80-120	
tert-Amyl Alcohol	100	114	114	80-120	
Isobutyl alcohol	200	164	81.8	80-120	
Diisobutylene	20.0	20.4	102	80-120	
Trichloroethene	20.0	21.8	109	80-120	
Methyl cyclohexane	20.0	21.9	110	80-120	
tert-Amyl Ethylether	20.0	19.7	98.5	80-120	
Dibromomethane	20.0	22.3	112	80-120	
1,2-Dichloropropane	20.0	22.4	112	80-120	
Bromodichloromethane	20.0	20.4	102	80-120	
Methyl methacrylate	20.0	22.0	110	80-120	
1,4-Dioxane	500	0.000		80-120	*
2-Chloroethylvinyl ether	20.0	19.9	99.7	80-120	
cis-1,3-Dichloropropene	20.0	19.6	98.0	80-120	
Octane	20.0	22.0	110	80-120	
Toluene	20.0	21.0	105	80-120	
Chloroacetonitrile	100	117	117	80-120	
2-Nitropropane	100	93.1	93.1	80-120	
1,1-Dichloro-2-pro	100	97.1	97.1	80-120	

Form 6I Initial Calibration Verification (ICV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

8260D

RunID 25240625_2524062515ICVQ.D

Sample Matrix LIQUID
Lab Smp Id ICVQ
Data Type MS DATA
File ID 2524062515ICVQ.D
Fraction VOA
SampleType ICV
Inj Date 25-JUN-2024 1508

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
4-Methyl-2-Pentanone(MIBK)	100	110	110	80-120	
Tetrachloroethene	20.0	22.0	110	80-120	
trans-1,3-Dichloropropene	20.0	20.0	100	80-120	
Ethyl methacrylate	20.0	19.8	99.0	80-120	
1,1,2-Trichloroethane	20.0	22.3	111	80-120	
Chlorodibromomethane	20.0	19.4	97.2	80-120	
1,3-Dichloropropane	20.0	22.8	114	80-120	
1,2-Dibromoethane	20.0	20.1	101	80-120	
2-Hexanone	100	108	108	80-120	
1-Chlorohexane	20.0	22.6	113	80-120	
Chlorobenzene	20.0	21.9	110	80-120	
Ethylbenzene	20.0	20.9	104	80-120	
1,1,1,2-Tetrachloroethane	20.0	20.2	101	80-120	
mp-Xylene	40.0	41.2	103	80-120	
o-Xylene	20.0	20.3	102	80-120	
Styrene	20.0	21.1	106	80-120	
Bromoform	20.0	18.5	92.7	80-120	
Isopropylbenzene	20.0	23.7	119	80-120	
Bromobenzene	20.0	21.4	107	80-120	
n-Propylbenzene	20.0	21.8	109	80-120	
1,1,2,2-Tetrachloroethane	20.0	22.5	112	80-120	
o-Chlorotoluene	20.0	21.9	109	80-120	
1,3,5-Trimethylbenzene	20.0	21.6	108	80-120	
1,2,3-Trichloropropane	20.0	22.1	110	80-120	
trans-1,4-Dichloro-2-butene	20.0	19.7	98.7	80-120	
1,2-Dichloroethene, Total	40.0	45.5	114	80-120	
p-Chlorotoluene	20.0	22.1	110	80-120	
tert-Butylbenzene	20.0	22.7	113	80-120	
Pentachloroethane	20.0	17.9	89.4	80-120	
1,2,4-Trimethylbenzene	20.0	20.6	103	80-120	
sec-Butylbenzene	20.0	22.8	114	80-120	
p-Isopropyltoluene	20.0	21.9	110	80-120	
1,3-Dichlorobenzene	20.0	22.3	112	80-120	
1,4-Dichlorobenzene	20.0	21.9	109	80-120	

Form 6I Initial Calibration Verification (ICV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

8260D

RunID 25240625_2524062515ICVQ.D

Sample Matrix LIQUID
Lab Smp Id ICVQ
Data Type MS DATA
File ID 2524062515ICVQ.D
Fraction VOA
SampleType ICV
Inj Date 25-JUN-2024 1508

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Benzyl Chloride	20.0	16.0	80.2	80-120	
n-Butylbenzene	20.0	21.4	107	80-120	
Hexachloroethane	20.0	18.6	93.2	80-120	
1,2-Dichlorobenzene	20.0	22.3	112	80-120	
1,2-Dibromo-3-chloropropane	20.0	18.2	91.2	80-120	
Nitrobenzene	200	166	82.9	80-120	
Hexachlorobutadiene	20.0	21.0	105	80-120	
1,2,4-Trichlorobenzene	20.0	23.4	117	80-120	
Naphthalene	20.0	19.8	99.1	80-120	
1,2,3-Trichlorobenzene	20.0	19.3	96.6	80-120	
1,3-Dichloropropene, Total	40.0	39.6	99.1	80-120	
121 TOTAL XYLENES	60.0	61.5	103	80-120	

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Form 7

Continuing Calibration Verification (CCV)

Volatiles by EPA 8260D

Workorder

3366026

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Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240703_2324070301.D

Volatiles by EPA 8260D

Instrument ID ms23.i
Lab File ID 2324070301.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 03-JUL-2024 0921
ICAL Date(s) 01-JUL-2024, 01-JUL-2024
ICAL Times 10:30, 12:29
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	50.0	47.7	2.45	0.010	-4.604	20.0	Linear	
Chloromethane	0.262	0.219	0.219	0.100	-16.508	20.0	Averaged	
Vinyl Chloride	50.0	46.1	4.00	0.010	-7.894	20.0	Linear	
Bromomethane	50.0	42.3	5.77	0.010	-15.477	20.0	Linear	
Chloroethane	50.0	43.8	7.37	0.010	-12.337	20.0	Linear	
Pentane	50.0	50.5	6.15	0.010	1.04	20.0	Linear	
Trichlorofluoromethane	50.0	49.1	1.80	0.010	-1.750	20.0	Linear	
Dichlorofluoromethane	0.541	0.537	0.537	0.010	-0.640	20.0	Averaged	
Ethyl Ether	0.155	0.159	0.159	0.010	2.47	20.0	Averaged	
1,1-Dichloroethene	0.365	0.361	0.361	0.010	-1.091	20.0	Averaged	
Freon 113	0.238	0.242	0.242	0.010	1.83	20.0	Averaged	
Carbon Disulfide	0.681	0.681	0.681	0.010	-0.073	20.0	Averaged	
Iodomethane	50.0	43.1	8.14	0.010	-13.798	20.0	Quadratic	
Acrolein	0.046	0.043	0.043	0.000	-5.062	20.0	Averaged	
Isopropyl Alcohol	250	234	58.1	0.000	-6.594	20.0	Quadratic	
3-Chloro-1-propene	0.255	0.262	0.262	0.010	2.64	20.0	Averaged	
Methylene Chloride	0.275	0.264	0.264	0.010	-4.286	20.0	Averaged	
Acetone	0.027	0.023	0.023	0.000	-12.376	20.0	Averaged	
Methyl acetate	50.0	45.5	19.9	0.005	-8.935	20.0	Linear	
trans-1,2-Dichloroethene	0.333	0.339	0.339	0.010	1.64	20.0	Averaged	
Hexane	50.0	49.8	2.22	0.010	-0.393	20.0	Linear	
Methyl t-Butyl Ether	0.931	0.922	0.922	0.010	-0.932	20.0	Averaged	
tert.- Butyl Alcohol	0.041	0.037	0.037	0.000	-9.826	20.0	Averaged	
Acetonitrile	0.029	0.026	0.026	0.000	-12.031	20.0	Averaged	
Diisopropyl ether	0.627	0.614	0.614	0.010	-2.059	20.0	Averaged	
Chloroprene	0.391	0.414	0.414	0.010	5.78	20.0	Averaged	
1,1-Dichloroethane	0.443	0.446	0.446	0.100	0.743	20.0	Averaged	
Acrylonitrile	0.112	0.109	0.109	0.000	-3.117	20.0	Averaged	
Ethyl tert-butyl ether	0.829	0.834	0.834	0.010	0.627	20.0	Averaged	
n-Propanol	0.016	0.015	0.015	0.000	-3.690	20.0	Averaged	
Vinyl Acetate	0.069	0.070	0.070	0.010	1.39	20.0	Averaged	
cis-1,2-Dichloroethene	0.358	0.351	0.351	0.010	-2.215	20.0	Averaged	
2,2-Dichloropropane	0.470	0.514	0.514	0.010	9.50	20.0	Averaged	
Bromochloromethane	0.156	0.162	0.162	0.010	3.99	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240703_2324070301.D

Volatiles by EPA 8260D

Instrument ID ms23.i
Lab File ID 2324070301.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 03-JUL-2024 0921
ICAL Date(s) 01-JUL-2024, 01-JUL-2024
ICAL Times 10:30, 12:29
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Cyclohexane	0.379	0.380	0.380	0.010	0.281	20.0	Averaged	
Chloroform	0.576	0.582	0.582	0.010	1.12	20.0	Averaged	
Ethyl Acetate	0.270	0.244	0.244	0.010	-9.467	20.0	Averaged	
Methyl acrylate	0.247	0.239	0.239	0.010	-3.281	20.0	Averaged	
Carbon Tetrachloride	0.468	0.493	0.493	0.010	5.50	20.0	Averaged	
41 Dibromofluoromethane	0.295	0.294	0.294	0.010	-0.295	20.0	Averaged	
Tetrahydrofuran	0.068	0.063	0.063	0.000	-7.511	20.0	Averaged	
1,1,1-Trichloroethane	0.533	0.541	0.541	0.010	1.45	20.0	Averaged	
2-Butanone	0.039	0.035	0.035	0.000	-9.855	20.0	Averaged	
1,1-Dichloropropene	0.385	0.383	0.383	0.010	-0.665	20.0	Averaged	
1-Chlorobutane	0.250	0.241	0.241	0.010	-3.806	20.0	Averaged	
Heptane	50.0	52.7	5.54	0.000	5.36	20.0	Linear	
Benzene	0.995	0.982	0.982	0.010	-1.377	20.0	Averaged	
Propionitrile	0.042	0.039	0.039	0.000	-8.581	20.0	Averaged	
Methacrylonitrile	0.119	0.110	0.110	0.010	-6.984	20.0	Averaged	
tert-Amyl methyl ether	0.838	0.847	0.847	0.010	1.03	20.0	Averaged	
Isobutyl alcohol	0.008	0.006	0.006	0.000	-17.285	20.0	Averaged	
51 1,2-Dichloroethane-d4	0.415	0.432	0.432	0.010	4.06	20.0	Averaged	
1,2-Dichloroethane	0.496	0.490	0.490	0.010	-1.121	20.0	Averaged	
tert-Amyl Alcohol	0.030	0.028	0.028	0.002	-8.321	20.0	Averaged	
Diisobutylene	50.0	51.3	1.96	0.010	2.69	20.0	Quadratic	
Trichloroethene	0.295	0.294	0.294	0.010	-0.109	20.0	Averaged	
Methyl cyclohexane	0.896	0.944	0.944	0.005	5.43	20.0	Averaged	
tert-Amyl Ethylether	0.620	0.622	0.622	0.010	0.321	20.0	Averaged	
Dibromomethane	0.196	0.195	0.195	0.010	-0.685	20.0	Averaged	
1,2-Dichloropropane	0.221	0.215	0.215	0.010	-2.537	20.0	Averaged	
Bromodichloromethane	0.427	0.434	0.434	0.010	1.57	20.0	Averaged	
Methyl methacrylate	0.247	0.232	0.232	0.010	-6.156	20.0	Averaged	
1,4-Dioxane	0.004	0.004	0.004	0.000	-8.118	20.0	Averaged	
2-Chloroethylvinyl ether	50.0	45.1	7.29	0.010	-9.730	20.0	Quadratic	
cis-1,3-Dichloropropene	1.000	1.08	1.08	0.010	8.28	20.0	Averaged	
Octane	0.331	0.412	0.412	0.010	24.5	20.0	Averaged	*
68 Toluene-d8	2.34	2.42	2.42	0.010	3.36	20.0	Averaged	
Toluene	1.52	1.56	1.56	0.010	2.90	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240703_2324070301.D

Volatiles by EPA 8260D

Instrument ID ms23.i
Lab File ID 2324070301.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 03-JUL-2024 0921
ICAL Date(s) 01-JUL-2024, 01-JUL-2024
ICAL Times 10:30, 12:29
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Chloroacetonitrile	0.042	0.044	0.044	0.000	2.81	20.0	Averaged	
2-Nitropropane	0.242	0.259	0.259	0.005	7.38	20.0	Averaged	
1,1-Dichloro-2-Propanone	0.021	0.021	0.021	0.001	3.58	20.0	Averaged	
4-Methyl-2-Pentanone(MIBK)	0.533	0.542	0.542	0.010	1.66	20.0	Averaged	
trans-1,3-Dichloropropene	1.06	1.14	1.14	0.010	8.43	20.0	Averaged	
Tetrachloroethene	0.600	0.621	0.621	0.010	3.45	20.0	Averaged	
Ethyl Methacrylate	0.836	0.885	0.885	0.010	5.80	20.0	Averaged	
1,1,2-Trichloroethane	0.462	0.469	0.469	0.010	1.55	20.0	Averaged	
Chlorodibromomethane	0.790	0.857	0.857	0.010	8.45	20.0	Averaged	
1,3-Dichloropropane	0.982	1.02	1.02	0.010	3.98	20.0	Averaged	
1,2-Dibromoethane	0.653	0.676	0.676	0.010	3.55	20.0	Averaged	
2-Hexanone	0.385	0.389	0.389	0.010	1.11	20.0	Averaged	
1-Chlorohexane	0.763	0.831	0.831	0.010	8.93	20.0	Averaged	
Chlorobenzene	1.73	1.84	1.84	0.300	6.74	20.0	Averaged	
Ethylbenzene	0.893	0.950	0.950	0.010	6.31	20.0	Averaged	
1,1,1,2-Tetrachloroethane	0.700	0.760	0.760	0.010	8.55	20.0	Averaged	
mp-Xylene	1.09	1.17	1.17	0.010	7.18	20.0	Averaged	
o-Xylene	1.08	1.17	1.17	0.010	8.16	20.0	Averaged	
Styrene	1.72	1.89	1.89	0.010	9.75	20.0	Averaged	
Bromoform	0.564	0.598	0.598	0.100	6.01	20.0	Averaged	
Isopropylbenzene	2.56	2.75	2.75	0.010	7.69	20.0	Averaged	
100 1,2-Dichloroethene, Total	0.346	0.345	0.345	0.010	-0.360	20.0	Averaged	
92 4-Bromofluorobenzene	0.830	0.887	0.887	0.010	6.83	20.0	Averaged	
Bromobenzene	0.760	0.812	0.812	0.010	6.88	20.0	Averaged	
n-Propylbenzene	0.751	0.810	0.810	0.010	7.81	20.0	Averaged	
1,1,2,2-Tetrachloroethane	0.736	0.730	0.730	0.300	-0.830	20.0	Averaged	
o-Chlorotoluene	2.26	2.37	2.37	0.010	5.18	20.0	Averaged	
1,3,5-Trimethylbenzene	2.37	2.59	2.59	0.010	9.20	20.0	Averaged	
1,2,3-Trichloropropane	0.312	0.310	0.310	0.010	-0.444	20.0	Averaged	
trans-1,4-Dichloro-2-butene	0.259	0.257	0.257	0.010	-0.702	20.0	Averaged	
p-Chlorotoluene	2.05	2.20	2.20	0.010	7.49	20.0	Averaged	
tert-Butylbenzene	0.556	0.611	0.611	0.010	9.81	20.0	Averaged	
Pentachloroethane	0.505	0.564	0.564	0.010	11.7	20.0	Averaged	
1,2,4-Trimethylbenzene	2.44	2.63	2.63	0.010	7.96	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240703_2324070301.D

Volatiles by EPA 8260D

Instrument ID ms23.i
Lab File ID 2324070301.D
Analysis Type WATER
Lab Sample ID 1800
Injection Date 03-JUL-2024 0921
ICAL Date(s) 01-JUL-2024, 01-JUL-2024
ICAL Times 10:30, 12:29
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
sec-Butylbenzene	2.79	3.03	3.03	0.010	8.81	20.0	Averaged	
p-Isopropyltoluene	0.651	0.721	0.721	0.010	10.7	20.0	Averaged	
1,3-Dichlorobenzene	1.40	1.49	1.49	0.010	6.46	20.0	Averaged	
1,4-Dichlorobenzene	1.42	1.51	1.51	0.010	6.23	20.0	Averaged	
Benzyl Chloride	0.313	0.374	0.374	0.010	19.3	20.0	Averaged	
n-Butylbenzene	0.583	0.664	0.664	0.010	13.9	20.0	Averaged	
Hexachloroethane	0.483	0.522	0.522	0.010	7.98	20.0	Averaged	
1,2-Dichlorobenzene	1.37	1.46	1.46	0.010	6.50	20.0	Averaged	
1,2-Dibromo-3-chloropropane	0.205	0.203	0.203	0.010	-0.804	20.0	Averaged	
Nitrobenzene	500	440	13.4	0.000	-11.964	20.0	Quadratic	
Hexachlorobutadiene	0.398	0.441	0.441	0.000	10.9	20.0	Averaged	
120 1,3-Dichloropropene, Total	1.03	1.11	1.11	0.010	8.36	20.0	Averaged	
1,2,4-Trichlorobenzene	0.875	0.963	0.963	0.010	10.1	20.0	Averaged	
121 Total Xylenes	1.09	1.17	1.17	0.010	7.50	20.0	Averaged	
Naphthalene	2.47	2.62	2.62	0.010	6.16	20.0	Averaged	
1,2,3-Trichlorobenzene	0.912	0.965	0.965	0.010	5.92	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240703_2324070329.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2324070329.D
Fraction VOA
SampleType ENDCCV
Inj Date 03-JUL-2024 1928

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Dichlorodifluoromethane	50.0	46.9	93.8	50-150	
Chloromethane	50.0	38.5	77.0	50-150	
Vinyl Chloride	50.0	42.9	85.8	50-150	
Bromomethane	50.0	49.9	99.8	50-150	
Chloroethane	50.0	42.3	84.6	50-150	
Pentane	50.0	48.2	96.4	50-150	
Trichlorofluoromethane	50.0	49.5	99.0	50-150	
Dichlorofluoromethane	50.0	49.3	98.6	50-150	
Ethyl Ether	50.0	48.9	97.8	50-150	
1,1-Dichloroethene	50.0	48.6	97.2	50-150	
Freon 113	50.0	49.2	98.3	50-150	
Carbon Disulfide	50.0	47.7	95.4	50-150	
Iodomethane	50.0	45.2	90.4	50-150	
Acrolein	250	216	86.2	50-150	
Isopropyl Alcohol	250	214	85.6	50-150	
3-Chloro-1-propene	50.0	47.1	94.1	50-150	
Methylene Chloride	50.0	46.2	92.4	50-150	
Acetone	250	204	81.6	50-150	
Methyl acetate	50.0	45.2	90.4	50-150	
trans-1,2-Dichloroethene	50.0	49.6	99.1	50-150	
Hexane	50.0	43.6	87.2	50-150	
Methyl t-Butyl Ether	50.0	49.5	99.0	50-150	
tert.- Butyl Alcohol	250	223	89.4	50-150	
Acetonitrile	250	204	81.6	50-150	
Diisopropyl ether	50.0	46.5	93.1	50-150	
Chloroprene	50.0	50.3	101	50-150	
1,1-Dichloroethane	50.0	48.9	97.7	50-150	
Acrylonitrile	250	241	96.5	50-150	
n-Propanol	500	481	96.2	50-150	
Ethyl tert-butyl ether	50.0	50.2	100	50-150	
Vinyl acetate	50.0	48.9	97.8	50-150	
cis-1,2-Dichloroethene	50.0	48.5	97.0	50-150	
2,2-Dichloropropane	50.0	44.2	88.4	50-150	
Bromochloromethane	50.0	52.4	105	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240703_2324070329.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2324070329.D
Fraction VOA
SampleType ENDCCV
Inj Date 03-JUL-2024 1928

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Cyclohexane	50.0	48.1	96.2	50-150	
Chloroform	50.0	50.7	101	50-150	
Ethyl acetate	50.0	44.1	88.2	50-150	
Methyl acrylate	50.0	46.9	93.9	50-150	
Carbon Tetrachloride	50.0	54.2	108	50-150	
Tetrahydrofuran	250	218	87.1	50-150	
1,1,1-Trichloroethane	50.0	52.9	106	50-150	
2-Butanone	250	225	90.2	50-150	
1,1-Dichloropropene	50.0	49.5	99.1	50-150	
1-Chlorobutane	50.0	47.9	95.8	50-150	
Heptane	50.0	41.5	83.1	50-150	
Benzene	50.0	47.9	95.8	50-150	
Propionitrile	250	206	82.5	50-150	
Methacrylonitrile	50.0	48.8	97.6	50-150	
tert-amyl methyl E	50.0	50.0	100.0	50-150	
Isobutyl alcohol	500	443	88.6	50-150	
1,2-Dichloroethane	50.0	49.9	99.8	50-150	
tert-Amyl Alcohol	250	214	85.7	50-150	
Diisobutylene	50.0	46.1	92.1	50-150	
Trichloroethene	50.0	49.8	99.5	50-150	
Methyl cyclohexane	50.0	47.2	94.4	50-150	
tert-Amyl Ethylether	50.0	49.0	98.0	50-150	
Dibromomethane	50.0	49.0	98.0	50-150	
1,2-Dichloropropane	50.0	46.1	92.1	50-150	
Bromodichloromethane	50.0	51.2	102	50-150	
Methyl methacrylate	50.0	46.5	93.0	50-150	
1,4-Dioxane	1250	0.000		50-150	*
2-Chloroethylvinyl ether	50.0	45.0	89.9	50-150	
cis-1,3-Dichloropropene	50.0	49.7	99.4	50-150	
Octane	50.0	46.8	93.6	50-150	
Toluene	50.0	49.2	98.4	50-150	
Chloroacetonitrile	250	239	95.6	50-150	
2-Nitropropane	250	271	108	50-150	
1,1-Dichloro-2-pro	250	253	101	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240703_2324070329.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2324070329.D
Fraction VOA
SampleType ENDCCV
Inj Date 03-JUL-2024 1928

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
4-Methyl-2-Pentanone(MIBK)	250	238	95.2	50-150	
Tetrachloroethene	50.0	55.2	110	50-150	
trans-1,3-Dichloropropene	50.0	51.5	103	50-150	
Ethyl methacrylate	50.0	50.2	100	50-150	
1,1,2-Trichloroethane	50.0	48.4	96.8	50-150	
Chlorodibromomethane	50.0	53.9	108	50-150	
1,2-Dibromoethane	50.0	51.4	103	50-150	
2-Hexanone	250	237	94.9	50-150	
1-Chlorohexane	50.0	51.7	103	50-150	
1,3-Dichloropropane	50.0	50.0	100.0	50-150	
Chlorobenzene	50.0	50.7	101	50-150	
Ethylbenzene	50.0	51.1	102	50-150	
1,1,1,2-Tetrachloroethane	50.0	52.7	105	50-150	
mp-Xylene	100	103	103	50-150	
o-Xylene	50.0	51.8	104	50-150	
Styrene	50.0	50.9	102	50-150	
Bromoform	50.0	50.3	101	50-150	
Isopropylbenzene	50.0	49.4	98.8	50-150	
Bromobenzene	50.0	50.3	101	50-150	
n-Propylbenzene	50.0	49.4	98.7	50-150	
1,1,2,2-Tetrachloroethane	50.0	45.5	91.0	50-150	
o-Chlorotoluene	50.0	48.6	97.3	50-150	
1,2-Dichloroethene, Total	100	98.0	98.0	50-150	
1,3,5-Trimethylbenzene	50.0	50.5	101	50-150	
1,2,3-Trichloropropane	50.0	47.5	94.9	50-150	
trans-1,4-Dichloro-2-butene	50.0	47.1	94.3	50-150	
p-Chlorotoluene	50.0	49.0	98.0	50-150	
tert-Butylbenzene	50.0	50.9	102	50-150	
Pentachloroethane	50.0	46.3	92.6	50-150	
1,2,4-Trimethylbenzene	50.0	49.9	99.8	50-150	
sec-Butylbenzene	50.0	49.8	99.5	50-150	
p-Isopropyltoluene	50.0	51.9	104	50-150	
1,3-Dichlorobenzene	50.0	49.1	98.2	50-150	
1,4-Dichlorobenzene	50.0	49.3	98.5	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 23240703_2324070329.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2324070329.D
Fraction VOA
SampleType ENDCCV
Inj Date 03-JUL-2024 1928

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Benzyl Chloride	50.0	38.9	77.7	50-150	
n-Butylbenzene	50.0	51.1	102	50-150	
Hexachloroethane	50.0	50.7	101	50-150	
1,2-Dichlorobenzene	50.0	49.6	99.1	50-150	
1,2-Dibromo-3-chloropropane	50.0	48.0	96.0	50-150	
Nitrobenzene	500	418	83.6	50-150	
Hexachlorobutadiene	50.0	51.6	103	50-150	
1,2,4-Trichlorobenzene	50.0	51.8	104	50-150	
Naphthalene	50.0	50.3	101	50-150	
1,3-Dichloropropene, Total	100	101	101	50-150	
1,2,3-Trichlorobenzene	50.0	49.8	99.5	50-150	
121 TOTAL XYLENES	150	155	103	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240628_2524062801.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524062801.D
Analysis Type WATER
Lab Sample ID 1800
Injection Date 28-JUN-2024 0953
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	0.332	0.302	0.302	0.010	-8.879	20.0	Averaged	
Chloromethane	50.0	49.7	3.47	0.100	-0.611	20.0	Wt Linear	
Vinyl Chloride	0.375	0.360	0.360	0.010	-4.127	20.0	Averaged	
Bromomethane	50.0	53.3	5.23	0.010	6.60	20.0	Wt Linear	
Chloroethane	50.0	47.7	4.13	0.010	-4.558	20.0	Wt Linear	
Pentane	50.0	42.7	4.99	0.010	-14.592	20.0	Wt Linear	
Trichlorofluoromethane	0.514	0.484	0.484	0.010	-5.829	20.0	Averaged	
Dichlorofluoromethane	0.476	0.485	0.485	0.010	1.99	20.0	Averaged	
Ethyl Ether	0.145	0.150	0.150	0.010	3.69	20.0	Averaged	
1,1-Dichloroethene	0.289	0.281	0.281	0.010	-2.585	20.0	Averaged	
Carbon Disulfide	0.623	0.613	0.613	0.010	-1.488	20.0	Averaged	
Freon 113	0.203	0.195	0.195	0.010	-4.043	20.0	Averaged	
Iodomethane	50.0	49.3	9.06	0.010	-1.320	20.0	Wt Linear	
Acrolein	0.047	0.046	0.046	0.000	-2.012	20.0	Averaged	
3-Chloro-1-propene	50.0	48.7	4.08	0.010	-2.589	20.0	Wt Linear	
Isopropyl Alcohol	250	260	63.2	0.000	4.10	20.0	Wt Linear	
Methylene Chloride	0.236	0.240	0.240	0.010	2.01	20.0	Averaged	
Acetone	0.026	0.025	0.025	0.000	-4.078	20.0	Averaged	
Methyl acetate	50.0	47.2	19.7	0.005	-5.627	20.0	Wt Linear	
trans-1,2-Dichloroethene	0.283	0.291	0.291	0.010	3.10	20.0	Averaged	
Hexane	50.0	47.2	2.25	0.010	-5.689	20.0	Wt Linear	
Methyl t-Butyl Ether	50.0	48.8	1.41	0.010	-2.310	20.0	Wt Linear	
tert.- Butyl Alcohol	0.026	0.027	0.027	0.000	1.79	20.0	Averaged	
Acetonitrile	0.029	0.031	0.031	0.000	6.86	20.0	Averaged	
Diisopropyl ether	0.627	0.672	0.672	0.010	7.17	20.0	Averaged	
Chloroprene	0.318	0.339	0.339	0.010	6.60	20.0	Averaged	
1,1-Dichloroethane	0.385	0.403	0.403	0.100	4.63	20.0	Averaged	
Acrylonitrile	0.100	0.109	0.109	0.000	8.82	20.0	Averaged	
n-Propanol	0.012	0.012	0.012	0.000	-0.496	20.0	Averaged	
Ethyl tert-butyl ether	0.666	0.723	0.723	0.010	8.53	20.0	Averaged	
Vinyl Acetate	50.0	46.7	16.3	0.010	-6.686	20.0	Wt Linear	
cis-1,2-Dichloroethene	0.287	0.298	0.298	0.010	3.96	20.0	Averaged	
2,2-Dichloropropane	0.307	0.313	0.313	0.010	1.98	20.0	Averaged	
100 1,2-Dichloroethene, Total	0.285	0.295	0.295	0.010	3.53	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240628_2524062801.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524062801.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 28-JUN-2024 0953
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Bromochloromethane	0.124	0.130	0.130	0.010	5.53	20.0	Averaged	
Cyclohexane	0.344	0.333	0.333	0.010	-3.269	20.0	Averaged	
Chloroform	0.416	0.421	0.421	0.010	1.18	20.0	Averaged	
Ethyl Acetate	50.0	48.1	4.17	0.010	-3.868	20.0	Wt Linear	
Methyl acrylate	0.231	0.242	0.242	0.010	4.96	20.0	Averaged	
Carbon Tetrachloride	50.0	43.2	3.79	0.010	-13.502	20.0	Wt Linear	
Tetrahydrofuran	0.071	0.073	0.073	0.000	3.00	20.0	Averaged	
41 Dibromofluoromethane	0.237	0.231	0.231	0.010	-2.368	20.0	Averaged	
1,1,1-Trichloroethane	0.324	0.332	0.332	0.010	2.45	20.0	Averaged	
2-Butanone	0.034	0.034	0.034	0.000	-0.537	20.0	Averaged	
1,1-Dichloropropene	0.306	0.310	0.310	0.010	1.39	20.0	Averaged	
1-Chlorobutane	0.197	0.192	0.192	0.010	-2.569	20.0	Averaged	
Heptane	0.178	0.170	0.170	0.000	-4.544	20.0	Averaged	
Propionitrile	0.038	0.041	0.041	0.000	8.82	20.0	Averaged	
Benzene	0.941	0.927	0.927	0.010	-1.505	20.0	Averaged	
Methacrylonitrile	0.114	0.120	0.120	0.010	5.09	20.0	Averaged	
tert-Amyl methyl ether	0.643	0.696	0.696	0.010	8.28	20.0	Averaged	
51 1,2-Dichloroethane-d4	0.250	0.241	0.241	0.010	-3.351	20.0	Averaged	
Isobutyl alcohol	500	518	167	0.000	3.63	20.0	Wt Linear	
1,2-Dichloroethane	0.296	0.303	0.303	0.010	2.58	20.0	Averaged	
tert-Amyl Alcohol	0.020	0.021	0.021	0.002	3.10	20.0	Averaged	
Diisobutylene	50.0	46.3	1.86	0.010	-7.457	20.0	Wt Linear	
Trichloroethene	0.238	0.240	0.240	0.010	0.953	20.0	Averaged	
Methyl cyclohexane	0.973	0.964	0.964	0.005	-0.977	20.0	Averaged	
tert-Amyl Ethylether	50.0	48.6	1.83	0.010	-2.709	20.0	Wt Linear	
Dibromomethane	0.151	0.158	0.158	0.010	5.09	20.0	Averaged	
1,2-Dichloropropane	0.226	0.237	0.237	0.010	4.87	20.0	Averaged	
Bromodichloromethane	50.0	46.6	3.41	0.010	-6.786	20.0	Wt Linear	
Methyl methacrylate	0.179	0.194	0.194	0.010	8.44	20.0	Averaged	
2-Chloroethylvinyl ether	50.0	46.7	6.46	0.010	-6.596	20.0	Wt Linear	
cis-1,3-Dichloropropene	50.0	49.7	0.992	0.010	-0.656	20.0	Wt Linear	
Octane	0.369	0.376	0.376	0.010	1.88	20.0	Averaged	
68 Toluene-d8	2.38	2.35	2.35	0.010	-0.993	20.0	Averaged	
Toluene	1.51	1.46	1.46	0.010	-2.952	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240628_2524062801.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524062801.D
Analysis Type WATER
Lab Sample ID 1800
Injection Date 28-JUN-2024 0953
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Chloroacetonitrile	0.038	0.039	0.039	0.000	4.84	20.0	Averaged	
2-Nitropropane	250	236	6.42	0.005	-5.570	20.0	Wt Linear	
1,1-Dichloro-2-Propanone	250	240	65.2	0.001	-3.900	20.0	Wt Linear	
4-Methyl-2-Pentanone(MIBK)	250	260	1.62	0.010	4.00	20.0	Wt Linear	
trans-1,3-Dichloropropene	50.0	48.6	1.09	0.010	-2.794	20.0	Wt Linear	
Tetrachloroethene	0.548	0.546	0.546	0.010	-0.447	20.0	Averaged	
Ethyl Methacrylate	50.0	49.9	1.10	0.010	-0.236	20.0	Wt Linear	
1,1,2-Trichloroethane	0.463	0.495	0.495	0.010	6.99	20.0	Averaged	
Chlorodibromomethane	50.0	47.2	1.62	0.010	-5.589	20.0	Wt Linear	
1,3-Dichloropropane	0.914	0.994	0.994	0.010	8.79	20.0	Averaged	
1,2-Dibromoethane	50.0	48.5	1.67	0.010	-2.917	20.0	Wt Linear	
2-Hexanone	250	256	2.39	0.010	2.48	20.0	Wt Linear	
1-Chlorohexane	0.792	0.824	0.824	0.010	4.07	20.0	Averaged	
Ethylbenzene	50.0	47.4	1.18	0.010	-5.139	20.0	Wt Linear	
Chlorobenzene	1.53	1.60	1.60	0.300	4.58	20.0	Averaged	
1,1,1,2-Tetrachloroethane	50.0	47.8	1.81	0.010	-4.476	20.0	Wt Linear	
mp-Xylene	100	96.9	0.969	0.010	-3.103	20.0	Wt Linear	
120 1,3-Dichloropropene, Total	100	98.3	1.04	0.010	-1.725	20.0	Wt Linear	
o-Xylene	1.02	0.985	0.985	0.010	-3.560	20.0	Averaged	
Styrene	50.0	49.2	0.572	0.010	-1.545	20.0	Wt Linear	
Bromoform	50.0	45.1	2.21	0.100	-9.774	20.0	Wt Linear	
Isopropylbenzene	50.0	49.5	0.408	0.010	-1.025	20.0	Wt Linear	
92 4-Bromofluorobenzene	0.830	0.810	0.810	0.010	-2.393	20.0	Averaged	
121 Total Xylenes	150	145	0.984	0.010	-3.255	20.0	Wt Linear	
n-Propylbenzene	0.725	0.754	0.754	0.010	3.94	20.0	Averaged	
Bromobenzene	0.709	0.735	0.735	0.010	3.64	20.0	Averaged	
1,1,2,2-Tetrachloroethane	0.705	0.770	0.770	0.300	9.18	20.0	Averaged	
1,3,5-Trimethylbenzene	2.02	2.13	2.13	0.010	5.40	20.0	Averaged	
o-Chlorotoluene	1.91	2.05	2.05	0.010	7.37	20.0	Averaged	
1,2,3-Trichloropropane	0.227	0.242	0.242	0.010	6.49	20.0	Averaged	
trans-1,4-Dichloro-2-butene	50.0	49.0	4.72	0.010	-1.967	20.0	Wt Linear	
p-Chlorotoluene	1.73	1.86	1.86	0.010	7.54	20.0	Averaged	
tert-Butylbenzene	0.483	0.516	0.516	0.010	6.94	20.0	Averaged	
Pentachloroethane	50.0	48.0	2.15	0.010	-3.906	20.0	Wt Linear	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240628_2524062801.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524062801.D
Analysis Type WATER
Lab Sample ID 1800
Injection Date 28-JUN-2024 0953
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
1,2,4-Trimethylbenzene	50.0	49.6	0.472	0.010	-0.882	20.0	Wt Linear	
sec-Butylbenzene	2.49	2.71	2.71	0.010	8.57	20.0	Averaged	
p-Isopropyltoluene	0.571	0.617	0.617	0.010	7.98	20.0	Averaged	
1,3-Dichlorobenzene	1.19	1.26	1.26	0.010	5.45	20.0	Averaged	
1,4-Dichlorobenzene	1.25	1.29	1.29	0.010	3.57	20.0	Averaged	
n-Butylbenzene	0.534	0.561	0.561	0.010	5.06	20.0	Averaged	
Benzyl Chloride	50.0	45.9	3.65	0.010	-8.113	20.0	Wt Linear	
Hexachloroethane	50.0	44.6	2.62	0.010	-10.770	20.0	Wt Linear	
1,2-Dichlorobenzene	1.14	1.21	1.21	0.010	5.89	20.0	Averaged	
1,2-Dibromo-3-chloropropane	50.0	46.8	7.93	0.010	-6.458	20.0	Wt Linear	
Nitrobenzene	500	446	25.7	0.000	-10.731	20.0	Quadratic	
Hexachlorobutadiene	50.0	47.6	2.79	0.000	-4.752	20.0	Wt Linear	
1,2,4-Trichlorobenzene	0.754	0.822	0.822	0.010	9.10	20.0	Averaged	
Naphthalene	50.0	47.3	0.477	0.010	-5.351	20.0	Wt Linear	
1,2,3-Trichlorobenzene	50.0	46.6	1.27	0.010	-6.879	20.0	Wt Linear	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240628_2524062829.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524062829.D
Fraction VOA
SampleType ENDCCV
Inj Date 28-JUN-2024 1934

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Dichlorodifluoromethane	50.0	45.7	91.4	50-150	
Chloromethane	50.0	50.1	100	50-150	
Vinyl Chloride	50.0	47.3	94.7	50-150	
Bromomethane	50.0	57.6	115	50-150	
Chloroethane	50.0	47.5	95.1	50-150	
Pentane	50.0	38.5	77.1	50-150	
Trichlorofluoromethane	50.0	45.8	91.7	50-150	
Dichlorofluoromethane	50.0	49.6	99.2	50-150	
Ethyl Ether	50.0	50.1	100	50-150	
1,1-Dichloroethene	50.0	47.8	95.6	50-150	
Freon 113	50.0	45.4	90.8	50-150	
Carbon Disulfide	50.0	47.1	94.2	50-150	
Iodomethane	50.0	45.4	90.9	50-150	
Acrolein	250	230	92.0	50-150	
Isopropyl Alcohol	250	248	99.3	50-150	
3-Chloro-1-propene	50.0	46.8	93.6	50-150	
Methylene Chloride	50.0	48.9	97.9	50-150	
Acetone	250	236	94.2	50-150	
Methyl acetate	50.0	46.6	93.2	50-150	
trans-1,2-Dichloroethene	50.0	49.4	98.9	50-150	
Hexane	50.0	42.5	85.0	50-150	
Methyl t-Butyl Ether	50.0	47.1	94.1	50-150	
tert.- Butyl Alcohol	250	252	101	50-150	
Acetonitrile	250	272	109	50-150	
Diisopropyl ether	50.0	53.2	106	50-150	
Chloroprene	50.0	52.7	105	50-150	
1,1-Dichloroethane	50.0	52.1	104	50-150	
Acrylonitrile	250	267	107	50-150	
n-Propanol	500	505	101	50-150	
Ethyl tert-butyl ether	50.0	53.4	107	50-150	
Vinyl acetate	50.0	43.6	87.2	50-150	
cis-1,2-Dichloroethene	50.0	51.2	102	50-150	
2,2-Dichloropropane	50.0	39.6	79.1	50-150	
Bromochloromethane	50.0	51.8	104	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240628_2524062829.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524062829.D
Fraction VOA
SampleType ENDCCV
Inj Date 28-JUN-2024 1934

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Cyclohexane	50.0	47.1	94.1	50-150	
Chloroform	50.0	51.4	103	50-150	
Ethyl acetate	50.0	47.9	95.9	50-150	
Methyl acrylate	50.0	52.1	104	50-150	
Carbon Tetrachloride	50.0	44.4	88.8	50-150	
Tetrahydrofuran	250	261	104	50-150	
1,1,1-Trichloroethane	50.0	50.8	102	50-150	
2-Butanone	250	248	99.1	50-150	
1,1-Dichloropropene	50.0	48.9	97.8	50-150	
1-Chlorobutane	50.0	48.7	97.4	50-150	
Heptane	50.0	38.7	77.3	50-150	
Benzene	50.0	48.9	97.9	50-150	
Propionitrile	250	276	110	50-150	
Methacrylonitrile	50.0	52.8	106	50-150	
tert-amyl methyl E	50.0	53.2	106	50-150	
Isobutyl alcohol	500	669	134	50-150	
1,2-Dichloroethane	50.0	49.9	99.9	50-150	
tert-Amyl Alcohol	250	244	97.8	50-150	
Diisobutylene	50.0	44.9	89.7	50-150	
Trichloroethene	50.0	47.5	95.0	50-150	
Methyl cyclohexane	50.0	44.4	88.8	50-150	
tert-Amyl Ethylether	50.0	47.5	95.0	50-150	
Dibromomethane	50.0	51.8	104	50-150	
1,2-Dichloropropane	50.0	52.4	105	50-150	
Bromodichloromethane	50.0	45.5	91.1	50-150	
Methyl methacrylate	50.0	53.7	107	50-150	
1,4-Dioxane	1250	0.000		50-150	*
2-Chloroethylvinyl ether	50.0	45.8	91.6	50-150	
cis-1,3-Dichloropropene	50.0	43.9	87.8	50-150	
Octane	50.0	38.3	76.7	50-150	
Toluene	50.0	44.8	89.5	50-150	
Chloroacetonitrile	250	247	98.8	50-150	
2-Nitropropane	250	225	89.9	50-150	
1,1-Dichloro-2-pro	250	219	87.5	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240628_2524062829.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524062829.D
Fraction VOA
SampleType ENDCCV
Inj Date 28-JUN-2024 1934

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
4-Methyl-2-Pentanone(MIBK)	250	250	100	50-150	
Tetrachloroethene	50.0	47.4	94.9	50-150	
trans-1,3-Dichloropropene	50.0	43.5	87.0	50-150	
Ethyl methacrylate	50.0	46.5	93.0	50-150	
1,1,2-Trichloroethane	50.0	49.0	98.0	50-150	
Chlorodibromomethane	50.0	43.5	87.0	50-150	
1,2-Dibromoethane	50.0	45.4	90.8	50-150	
2-Hexanone	250	245	98.1	50-150	
1-Chlorohexane	50.0	46.6	93.2	50-150	
1,3-Dichloropropane	50.0	50.5	101	50-150	
Chlorobenzene	50.0	47.5	95.0	50-150	
Ethylbenzene	50.0	43.5	87.0	50-150	
1,1,1,2-Tetrachloroethane	50.0	44.1	88.3	50-150	
mp-Xylene	100	87.1	87.0	50-150	
o-Xylene	50.0	44.4	88.8	50-150	
Styrene	50.0	48.9	97.7	50-150	
Bromoform	50.0	44.5	88.9	50-150	
Isopropylbenzene	50.0	48.9	97.8	50-150	
Bromobenzene	50.0	51.0	102	50-150	
n-Propylbenzene	50.0	50.8	102	50-150	
1,1,2,2-Tetrachloroethane	50.0	55.0	110	50-150	
o-Chlorotoluene	50.0	52.6	105	50-150	
1,2-Dichloroethene, Total	100	101	101	50-150	
1,3,5-Trimethylbenzene	50.0	51.5	103	50-150	
1,2,3-Trichloropropane	50.0	53.1	106	50-150	
trans-1,4-Dichloro-2-butene	50.0	47.4	94.7	50-150	
p-Chlorotoluene	50.0	52.6	105	50-150	
tert-Butylbenzene	50.0	52.8	106	50-150	
Pentachloroethane	50.0	43.3	86.6	50-150	
1,2,4-Trimethylbenzene	50.0	48.8	97.6	50-150	
sec-Butylbenzene	50.0	53.1	106	50-150	
p-Isopropyltoluene	50.0	51.9	104	50-150	
1,3-Dichlorobenzene	50.0	51.3	103	50-150	
1,4-Dichlorobenzene	50.0	50.9	102	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240628_2524062829.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524062829.D
Fraction VOA
SampleType ENDCCV
Inj Date 28-JUN-2024 1934

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Benzyl Chloride	50.0	30.4	60.9	50-150	
n-Butylbenzene	50.0	49.0	97.9	50-150	
Hexachloroethane	50.0	45.6	91.2	50-150	
1,2-Dichlorobenzene	50.0	52.4	105	50-150	
1,2-Dibromo-3-chloropropane	50.0	46.9	93.7	50-150	
Nitrobenzene	500	451	90.2	50-150	
Hexachlorobutadiene	50.0	42.8	85.6	50-150	
1,2,4-Trichlorobenzene	50.0	50.1	100	50-150	
Naphthalene	50.0	46.6	93.1	50-150	
1,3-Dichloropropene, Total	100	87.4	87.4	50-150	
1,2,3-Trichlorobenzene	50.0	44.6	89.3	50-150	
121 TOTAL XYLENES	150	131	87.6	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240701_2524070101.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524070101.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 01-JUL-2024 0922
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	0.332	0.287	0.287	0.010	-13.448	20.0	Averaged	
Chloromethane	50.0	45.5	3.79	0.100	-9.057	20.0	Wt Linear	
Vinyl Chloride	0.375	0.337	0.337	0.010	-10.088	20.0	Averaged	
Bromomethane	50.0	51.6	5.39	0.010	3.23	20.0	Wt Linear	
Chloroethane	50.0	45.5	4.33	0.010	-9.008	20.0	Wt Linear	
Pentane	50.0	33.1	6.38	0.010	-33.727	20.0	Wt Linear	*
Trichlorofluoromethane	0.514	0.473	0.473	0.010	-7.918	20.0	Averaged	
Dichlorofluoromethane	0.476	0.458	0.458	0.010	-3.689	20.0	Averaged	
Ethyl Ether	0.145	0.147	0.147	0.010	1.44	20.0	Averaged	
1,1-Dichloroethene	0.289	0.270	0.270	0.010	-6.385	20.0	Averaged	
Carbon Disulfide	0.623	0.567	0.567	0.010	-8.872	20.0	Averaged	
Freon 113	0.203	0.186	0.186	0.010	-8.376	20.0	Averaged	
Iodomethane	50.0	48.6	9.19	0.010	-2.720	20.0	Wt Linear	
Acrolein	0.047	0.045	0.045	0.000	-3.473	20.0	Averaged	
3-Chloro-1-propene	50.0	44.9	4.43	0.010	-10.124	20.0	Wt Linear	
Isopropyl Alcohol	250	233	70.4	0.000	-6.754	20.0	Wt Linear	
Methylene Chloride	0.236	0.240	0.240	0.010	1.88	20.0	Averaged	
Acetone	0.026	0.025	0.025	0.000	-4.230	20.0	Averaged	
Methyl acetate	50.0	48.8	19.1	0.005	-2.341	20.0	Wt Linear	
trans-1,2-Dichloroethene	0.283	0.277	0.277	0.010	-1.832	20.0	Averaged	
Hexane	50.0	43.9	2.42	0.010	-12.106	20.0	Wt Linear	
Methyl t-Butyl Ether	50.0	48.4	1.42	0.010	-3.114	20.0	Wt Linear	
tert.- Butyl Alcohol	0.026	0.026	0.026	0.000	1.40	20.0	Averaged	
Acetonitrile	0.029	0.030	0.030	0.000	1.64	20.0	Averaged	
Diisopropyl ether	0.627	0.637	0.637	0.010	1.59	20.0	Averaged	
Chloroprene	0.318	0.322	0.322	0.010	1.21	20.0	Averaged	
1,1-Dichloroethane	0.385	0.386	0.386	0.100	0.212	20.0	Averaged	
Acrylonitrile	0.100	0.102	0.102	0.000	1.63	20.0	Averaged	
n-Propanol	0.012	0.011	0.011	0.000	-7.112	20.0	Averaged	
Ethyl tert-butyl ether	0.666	0.704	0.704	0.010	5.61	20.0	Averaged	
Vinyl Acetate	50.0	48.6	15.6	0.010	-2.745	20.0	Wt Linear	
cis-1,2-Dichloroethene	0.287	0.289	0.289	0.010	0.674	20.0	Averaged	
2,2-Dichloropropane	0.307	0.310	0.310	0.010	1.05	20.0	Averaged	
100 1,2-Dichloroethene, Total	0.285	0.283	0.283	0.010	-0.570	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240701_2524070101.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524070101.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 01-JUL-2024 0922
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Bromochloromethane	0.124	0.138	0.138	0.010	11.3	20.0	Averaged	
Cyclohexane	0.344	0.320	0.320	0.010	-6.900	20.0	Averaged	
Chloroform	0.416	0.430	0.430	0.010	3.49	20.0	Averaged	
Ethyl Acetate	50.0	46.7	4.30	0.010	-6.618	20.0	Wt Linear	
Methyl acrylate	0.231	0.236	0.236	0.010	2.23	20.0	Averaged	
Carbon Tetrachloride	50.0	45.1	3.63	0.010	-9.752	20.0	Wt Linear	
Tetrahydrofuran	0.071	0.069	0.069	0.000	-2.490	20.0	Averaged	
41 Dibromofluoromethane	0.237	0.240	0.240	0.010	1.39	20.0	Averaged	
1,1,1-Trichloroethane	0.324	0.331	0.331	0.010	2.20	20.0	Averaged	
2-Butanone	0.034	0.035	0.035	0.000	2.80	20.0	Averaged	
1,1-Dichloropropene	0.306	0.303	0.303	0.010	-1.142	20.0	Averaged	
1-Chlorobutane	0.197	0.174	0.174	0.010	-11.548	20.0	Averaged	
Heptane	0.178	0.165	0.165	0.000	-7.080	20.0	Averaged	
Propionitrile	0.038	0.039	0.039	0.000	1.92	20.0	Averaged	
Benzene	0.941	0.921	0.921	0.010	-2.119	20.0	Averaged	
Methacrylonitrile	0.114	0.119	0.119	0.010	4.81	20.0	Averaged	
tert-Amyl methyl ether	0.643	0.681	0.681	0.010	5.90	20.0	Averaged	
51 1,2-Dichloroethane-d4	0.250	0.246	0.246	0.010	-1.595	20.0	Averaged	
Isobutyl alcohol	500	541	160	0.000	8.15	20.0	Wt Linear	
1,2-Dichloroethane	0.296	0.297	0.297	0.010	0.559	20.0	Averaged	
tert-Amyl Alcohol	0.020	0.021	0.021	0.002	4.01	20.0	Averaged	
Diisobutylene	50.0	44.6	1.92	0.010	-10.792	20.0	Wt Linear	
Trichloroethene	0.238	0.229	0.229	0.010	-3.742	20.0	Averaged	
Methyl cyclohexane	0.973	0.976	0.976	0.005	0.305	20.0	Averaged	
tert-Amyl Ethylether	50.0	47.6	1.88	0.010	-4.889	20.0	Wt Linear	
Dibromomethane	0.151	0.159	0.159	0.010	5.84	20.0	Averaged	
1,2-Dichloropropane	0.226	0.232	0.232	0.010	2.46	20.0	Averaged	
Bromodichloromethane	50.0	47.4	3.35	0.010	-5.149	20.0	Wt Linear	
Methyl methacrylate	0.179	0.186	0.186	0.010	3.73	20.0	Averaged	
2-Chloroethylvinyl ether	50.0	46.3	6.52	0.010	-7.349	20.0	Wt Linear	
cis-1,3-Dichloropropene	50.0	50.5	0.975	0.010	1.08	20.0	Wt Linear	
Octane	0.369	0.385	0.385	0.010	4.30	20.0	Averaged	
68 Toluene-d8	2.38	2.44	2.44	0.010	2.87	20.0	Averaged	
Toluene	1.51	1.50	1.50	0.010	-0.252	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240701_2524070101.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524070101.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 01-JUL-2024 0922
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Chloroacetonitrile	0.038	0.040	0.040	0.000	5.91	20.0	Averaged	
2-Nitropropane	250	243	6.24	0.005	-2.932	20.0	Wt Linear	
1,1-Dichloro-2-Propanone	250	242	64.7	0.001	-3.136	20.0	Wt Linear	
4-Methyl-2-Pentanone(MIBK)	250	256	1.64	0.010	2.26	20.0	Wt Linear	
trans-1,3-Dichloropropene	50.0	49.5	1.08	0.010	-1.016	20.0	Wt Linear	
Tetrachloroethene	0.548	0.574	0.574	0.010	4.77	20.0	Averaged	
Ethyl Methacrylate	50.0	50.9	1.08	0.010	1.78	20.0	Wt Linear	
1,1,2-Trichloroethane	0.463	0.500	0.500	0.010	8.03	20.0	Averaged	
Chlorodibromomethane	50.0	50.2	1.52	0.010	0.385	20.0	Wt Linear	
1,3-Dichloropropane	0.914	1.01	1.01	0.010	10.6	20.0	Averaged	
1,2-Dibromoethane	50.0	51.2	1.59	0.010	2.44	20.0	Wt Linear	
2-Hexanone	250	252	2.43	0.010	0.753	20.0	Wt Linear	
1-Chlorohexane	0.792	0.858	0.858	0.010	8.34	20.0	Averaged	
Ethylbenzene	50.0	49.5	1.13	0.010	-0.964	20.0	Wt Linear	
Chlorobenzene	1.53	1.65	1.65	0.300	7.48	20.0	Averaged	
1,1,1,2-Tetrachloroethane	50.0	50.1	1.72	0.010	0.179	20.0	Wt Linear	
mp-Xylene	100	100	0.936	0.010	0.308	20.0	Wt Linear	
120 1,3-Dichloropropene, Total	100	100	1.02	0.010	0.032	20.0	Wt Linear	
o-Xylene	1.02	1.03	1.03	0.010	0.558	20.0	Averaged	
Styrene	50.0	48.1	0.586	0.010	-3.753	20.0	Wt Linear	
Bromoform	50.0	46.0	2.17	0.100	-8.087	20.0	Wt Linear	
Isopropylbenzene	50.0	48.8	0.414	0.010	-2.309	20.0	Wt Linear	
92 4-Bromofluorobenzene	0.830	0.806	0.806	0.010	-2.834	20.0	Averaged	
121 Total Xylenes	150	151	0.948	0.010	0.391	20.0	Wt Linear	
n-Propylbenzene	0.725	0.749	0.749	0.010	3.27	20.0	Averaged	
Bromobenzene	0.709	0.748	0.748	0.010	5.45	20.0	Averaged	
1,1,2,2-Tetrachloroethane	0.705	0.760	0.760	0.300	7.84	20.0	Averaged	
1,3,5-Trimethylbenzene	2.02	2.11	2.11	0.010	4.37	20.0	Averaged	
o-Chlorotoluene	1.91	2.00	2.00	0.010	4.84	20.0	Averaged	
1,2,3-Trichloropropane	0.227	0.241	0.241	0.010	5.90	20.0	Averaged	
trans-1,4-Dichloro-2-butene	50.0	48.0	4.82	0.010	-3.993	20.0	Wt Linear	
p-Chlorotoluene	1.73	1.83	1.83	0.010	5.65	20.0	Averaged	
tert-Butylbenzene	0.483	0.518	0.518	0.010	7.20	20.0	Averaged	
Pentachloroethane	50.0	48.2	2.14	0.010	-3.550	20.0	Wt Linear	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240701_2524070101.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524070101.D
Analysis Type WATER
Lab Sample ID 1800
Injection Date 01-JUL-2024 0922
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
1,2,4-Trimethylbenzene	50.0	49.5	0.473	0.010	-1.024	20.0	Wt Linear	
sec-Butylbenzene	2.49	2.70	2.70	0.010	8.37	20.0	Averaged	
p-Isopropyltoluene	0.571	0.611	0.611	0.010	6.95	20.0	Averaged	
1,3-Dichlorobenzene	1.19	1.27	1.27	0.010	6.15	20.0	Averaged	
1,4-Dichlorobenzene	1.25	1.30	1.30	0.010	4.41	20.0	Averaged	
n-Butylbenzene	0.534	0.548	0.548	0.010	2.58	20.0	Averaged	
Benzyl Chloride	50.0	47.1	3.56	0.010	-5.825	20.0	Wt Linear	
Hexachloroethane	50.0	45.6	2.56	0.010	-8.811	20.0	Wt Linear	
1,2-Dichlorobenzene	1.14	1.21	1.21	0.010	6.68	20.0	Averaged	
1,2-Dibromo-3-chloropropane	50.0	45.2	8.21	0.010	-9.526	20.0	Wt Linear	
Nitrobenzene	500	452	25.3	0.000	-9.506	20.0	Quadratic	
Hexachlorobutadiene	50.0	47.5	2.80	0.000	-5.058	20.0	Wt Linear	
1,2,4-Trichlorobenzene	0.754	0.825	0.825	0.010	9.50	20.0	Averaged	
Naphthalene	50.0	47.2	0.478	0.010	-5.548	20.0	Wt Linear	
1,2,3-Trichlorobenzene	50.0	47.3	1.25	0.010	-5.497	20.0	Wt Linear	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240701_2524070129.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524070129.D
Fraction VOA
SampleType ENDCCV
Inj Date 01-JUL-2024 1924

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Dichlorodifluoromethane	50.0	46.1	92.1	50-150	
Chloromethane	50.0	51.6	103	50-150	
Vinyl Chloride	50.0	50.2	100	50-150	
Bromomethane	50.0	59.2	118	50-150	
Chloroethane	50.0	49.3	98.7	50-150	
Pentane	50.0	32.9	65.8	50-150	
Trichlorofluoromethane	50.0	48.1	96.2	50-150	
Dichlorofluoromethane	50.0	51.8	104	50-150	
Ethyl Ether	50.0	50.6	101	50-150	
1,1-Dichloroethene	50.0	49.6	99.2	50-150	
Freon 113	50.0	47.2	94.4	50-150	
Carbon Disulfide	50.0	48.3	96.6	50-150	
Iodomethane	50.0	48.7	97.3	50-150	
Acrolein	250	228	91.2	50-150	
Isopropyl Alcohol	250	231	92.6	50-150	
3-Chloro-1-propene	50.0	47.9	95.9	50-150	
Methylene Chloride	50.0	51.5	103	50-150	
Acetone	250	231	92.4	50-150	
Methyl acetate	50.0	47.8	95.6	50-150	
trans-1,2-Dichloroethene	50.0	52.7	105	50-150	
Hexane	50.0	42.5	85.0	50-150	
Methyl t-Butyl Ether	50.0	48.7	97.4	50-150	
tert.- Butyl Alcohol	250	243	97.1	50-150	
Acetonitrile	250	263	105	50-150	
Diisopropyl ether	50.0	54.5	109	50-150	
Chloroprene	50.0	54.9	110	50-150	
1,1-Dichloroethane	50.0	54.2	108	50-150	
Acrylonitrile	250	264	105	50-150	
n-Propanol	500	517	103	50-150	
Ethyl tert-butyl ether	50.0	54.8	110	50-150	
Vinyl acetate	50.0	44.4	88.7	50-150	
cis-1,2-Dichloroethene	50.0	55.5	111	50-150	
2,2-Dichloropropane	50.0	42.9	85.8	50-150	
Bromochloromethane	50.0	55.0	110	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240701_2524070129.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524070129.D
Fraction VOA
SampleType ENDCCV
Inj Date 01-JUL-2024 1924

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Cyclohexane	50.0	49.7	99.3	50-150	
Chloroform	50.0	54.4	109	50-150	
Ethyl acetate	50.0	47.4	94.8	50-150	
Methyl acrylate	50.0	52.0	104	50-150	
Carbon Tetrachloride	50.0	46.2	92.4	50-150	
Tetrahydrofuran	250	253	101	50-150	
1,1,1-Trichloroethane	50.0	54.4	109	50-150	
2-Butanone	250	247	98.7	50-150	
1,1-Dichloropropene	50.0	52.6	105	50-150	
1-Chlorobutane	50.0	50.6	101	50-150	
Heptane	50.0	40.5	80.9	50-150	
Benzene	50.0	51.9	104	50-150	
Propionitrile	250	264	105	50-150	
Methacrylonitrile	50.0	52.5	105	50-150	
tert-amyl methyl E	50.0	53.5	107	50-150	
Isobutyl alcohol	500	490	98.0	50-150	
1,2-Dichloroethane	50.0	51.8	104	50-150	
tert-Amyl Alcohol	250	253	101	50-150	
Diisobutylene	50.0	47.5	94.9	50-150	
Trichloroethene	50.0	53.4	107	50-150	
Methyl cyclohexane	50.0	50.3	101	50-150	
tert-Amyl Ethylether	50.0	49.5	99.1	50-150	
Dibromomethane	50.0	53.5	107	50-150	
1,2-Dichloropropane	50.0	54.3	108	50-150	
Bromodichloromethane	50.0	48.8	97.6	50-150	
Methyl methacrylate	50.0	54.7	109	50-150	
1,4-Dioxane	1250	0.000		50-150	*
2-Chloroethylvinyl ether	50.0	47.4	94.8	50-150	
cis-1,3-Dichloropropene	50.0	49.4	98.8	50-150	
Octane	50.0	42.0	84.0	50-150	
Toluene	50.0	51.3	103	50-150	
Chloroacetonitrile	250	257	103	50-150	
2-Nitropropane	250	238	95.2	50-150	
1,1-Dichloro-2-pro	250	222	88.6	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240701_2524070129.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524070129.D
Fraction VOA
SampleType ENDCCV
Inj Date 01-JUL-2024 1924

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
4-Methyl-2-Pentanone(MIBK)	250	260	104	50-150	
Tetrachloroethene	50.0	55.3	111	50-150	
trans-1,3-Dichloropropene	50.0	48.8	97.7	50-150	
Ethyl methacrylate	50.0	50.2	100	50-150	
1,1,2-Trichloroethane	50.0	53.4	107	50-150	
Chlorodibromomethane	50.0	49.0	98.0	50-150	
1,2-Dibromoethane	50.0	50.2	100	50-150	
2-Hexanone	250	253	101	50-150	
1-Chlorohexane	50.0	50.3	101	50-150	
1,3-Dichloropropane	50.0	56.3	113	50-150	
Chlorobenzene	50.0	53.8	108	50-150	
Ethylbenzene	50.0	50.0	100	50-150	
1,1,1,2-Tetrachloroethane	50.0	50.0	100.0	50-150	
mp-Xylene	100	101	101	50-150	
o-Xylene	50.0	50.2	100	50-150	
Styrene	50.0	51.1	102	50-150	
Bromoform	50.0	46.4	92.8	50-150	
Isopropylbenzene	50.0	52.6	105	50-150	
Bromobenzene	50.0	53.7	107	50-150	
n-Propylbenzene	50.0	54.8	110	50-150	
1,1,2,2-Tetrachloroethane	50.0	55.8	112	50-150	
o-Chlorotoluene	50.0	55.9	112	50-150	
1,2-Dichloroethene, Total	100	108	108	50-150	
1,3,5-Trimethylbenzene	50.0	54.8	110	50-150	
1,2,3-Trichloropropane	50.0	53.8	108	50-150	
trans-1,4-Dichloro-2-butene	50.0	45.5	91.0	50-150	
p-Chlorotoluene	50.0	56.2	112	50-150	
tert-Butylbenzene	50.0	56.0	112	50-150	
Pentachloroethane	50.0	46.3	92.6	50-150	
1,2,4-Trimethylbenzene	50.0	52.1	104	50-150	
sec-Butylbenzene	50.0	57.2	114	50-150	
p-Isopropyltoluene	50.0	55.3	111	50-150	
1,3-Dichlorobenzene	50.0	55.4	111	50-150	
1,4-Dichlorobenzene	50.0	53.9	108	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240701_2524070129.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524070129.D
Fraction VOA
SampleType ENDCCV
Inj Date 01-JUL-2024 1924

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Benzyl Chloride	50.0	33.3	66.5	50-150	
n-Butylbenzene	50.0	52.5	105	50-150	
Hexachloroethane	50.0	49.4	98.9	50-150	
1,2-Dichlorobenzene	50.0	55.2	110	50-150	
1,2-Dibromo-3-chloropropane	50.0	45.9	91.9	50-150	
Nitrobenzene	500	443	88.6	50-150	
Hexachlorobutadiene	50.0	46.9	93.8	50-150	
1,2,4-Trichlorobenzene	50.0	53.2	106	50-150	
Naphthalene	50.0	47.7	95.4	50-150	
1,3-Dichloropropene, Total	100	98.2	98.2	50-150	
1,2,3-Trichlorobenzene	50.0	47.6	95.2	50-150	
121 TOTAL XYLENES	150	151	101	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240702_2524070201.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524070201.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 02-JUL-2024 0927
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	0.332	0.303	0.303	0.010	-8.647	20.0	Averaged	
Chloromethane	50.0	50.9	3.39	0.100	1.72	20.0	Wt Linear	
Vinyl Chloride	0.375	0.370	0.370	0.010	-1.348	20.0	Averaged	
Bromomethane	50.0	54.4	5.12	0.010	8.89	20.0	Wt Linear	
Chloroethane	50.0	49.1	4.02	0.010	-1.769	20.0	Wt Linear	
Pentane	50.0	40.0	5.32	0.010	-20.085	20.0	Wt Linear	*
Trichlorofluoromethane	0.514	0.482	0.482	0.010	-6.177	20.0	Averaged	
Dichlorofluoromethane	0.476	0.484	0.484	0.010	1.69	20.0	Averaged	
Ethyl Ether	0.145	0.153	0.153	0.010	5.68	20.0	Averaged	
1,1-Dichloroethene	0.289	0.291	0.291	0.010	0.747	20.0	Averaged	
Freon 113	0.203	0.194	0.194	0.010	-4.357	20.0	Averaged	
Carbon Disulfide	0.623	0.606	0.606	0.010	-2.606	20.0	Averaged	
Iodomethane	50.0	41.9	10.7	0.010	-16.159	20.0	Wt Linear	
Acrolein	0.047	0.046	0.046	0.000	-0.641	20.0	Averaged	
Isopropyl Alcohol	250	277	59.3	0.000	10.9	20.0	Wt Linear	
3-Chloro-1-propene	50.0	49.7	4.00	0.010	-0.639	20.0	Wt Linear	
Methylene Chloride	0.236	0.242	0.242	0.010	2.74	20.0	Averaged	
Acetone	0.026	0.027	0.027	0.000	4.92	20.0	Averaged	
Methyl acetate	50.0	48.7	19.1	0.005	-2.681	20.0	Wt Linear	
trans-1,2-Dichloroethene	0.283	0.293	0.293	0.010	3.76	20.0	Averaged	
Hexane	50.0	48.0	2.22	0.010	-4.057	20.0	Wt Linear	
Methyl t-Butyl Ether	50.0	49.6	1.39	0.010	-0.826	20.0	Wt Linear	
tert.- Butyl Alcohol	0.026	0.029	0.029	0.000	10.5	20.0	Averaged	
Acetonitrile	0.029	0.034	0.034	0.000	16.3	20.0	Averaged	
Diisopropyl ether	0.627	0.693	0.693	0.010	10.5	20.0	Averaged	
Chloroprene	0.318	0.352	0.352	0.010	10.5	20.0	Averaged	
1,1-Dichloroethane	0.385	0.412	0.412	0.100	7.10	20.0	Averaged	
Acrylonitrile	0.100	0.111	0.111	0.000	10.4	20.0	Averaged	
Ethyl tert-butyl ether	0.666	0.739	0.739	0.010	11.0	20.0	Averaged	
n-Propanol	0.012	0.013	0.013	0.000	4.20	20.0	Averaged	
Vinyl Acetate	50.0	47.6	16.0	0.010	-4.856	20.0	Wt Linear	
cis-1,2-Dichloroethene	0.287	0.321	0.321	0.010	12.0	20.0	Averaged	
2,2-Dichloropropane	0.307	0.321	0.321	0.010	4.61	20.0	Averaged	
Bromochloromethane	0.124	0.130	0.130	0.010	5.27	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240702_2524070201.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524070201.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 02-JUL-2024 0927
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Cyclohexane	0.344	0.336	0.336	0.010	-2.299	20.0	Averaged	
Chloroform	0.416	0.442	0.442	0.010	6.36	20.0	Averaged	
Ethyl Acetate	50.0	50.9	3.94	0.010	1.88	20.0	Wt Linear	
Methyl acrylate	0.231	0.255	0.255	0.010	10.7	20.0	Averaged	
Carbon Tetrachloride	50.0	46.1	3.55	0.010	-7.871	20.0	Wt Linear	
41 Dibromofluoromethane	0.237	0.247	0.247	0.010	4.46	20.0	Averaged	
Tetrahydrofuran	0.071	0.077	0.077	0.000	9.00	20.0	Averaged	
1,1,1-Trichloroethane	0.324	0.342	0.342	0.010	5.80	20.0	Averaged	
2-Butanone	0.034	0.036	0.036	0.000	6.83	20.0	Averaged	
1,1-Dichloropropene	0.306	0.318	0.318	0.010	3.94	20.0	Averaged	
1-Chlorobutane	0.197	0.198	0.198	0.010	0.692	20.0	Averaged	
Heptane	0.178	0.176	0.176	0.000	-1.126	20.0	Averaged	
Benzene	0.941	0.948	0.948	0.010	0.762	20.0	Averaged	
Propionitrile	0.038	0.043	0.043	0.000	14.4	20.0	Averaged	
Methacrylonitrile	0.114	0.123	0.123	0.010	8.28	20.0	Averaged	
tert-Amyl methyl ether	0.643	0.692	0.692	0.010	7.57	20.0	Averaged	
Isobutyl alcohol	500	564	153	0.000	12.8	20.0	Wt Linear	
51 1,2-Dichloroethane-d4	0.250	0.298	0.298	0.010	19.6	20.0	Averaged	
1,2-Dichloroethane	0.296	0.308	0.308	0.010	4.27	20.0	Averaged	
tert-Amyl Alcohol	0.020	0.022	0.022	0.002	10.1	20.0	Averaged	
Diisobutylene	50.0	48.3	1.78	0.010	-3.397	20.0	Wt Linear	
Trichloroethene	0.238	0.235	0.235	0.010	-1.297	20.0	Averaged	
Methyl cyclohexane	0.973	0.984	0.984	0.005	1.10	20.0	Averaged	
tert-Amyl Ethylether	50.0	49.6	1.80	0.010	-0.831	20.0	Wt Linear	
Dibromomethane	0.151	0.159	0.159	0.010	5.54	20.0	Averaged	
1,2-Dichloropropane	0.226	0.244	0.244	0.010	7.61	20.0	Averaged	
Bromodichloromethane	50.0	47.6	3.34	0.010	-4.768	20.0	Wt Linear	
Methyl methacrylate	0.179	0.206	0.206	0.010	14.7	20.0	Averaged	
1,4-Dioxane	0.004	0.004	0.004	0.000	5.95	20.0	Averaged	
2-Chloroethylvinyl ether	50.0	47.7	6.33	0.010	-4.670	20.0	Wt Linear	
cis-1,3-Dichloropropene	50.0	49.7	0.991	0.010	-0.608	20.0	Wt Linear	
Octane	0.369	0.379	0.379	0.010	2.74	20.0	Averaged	
68 Toluene-d8	2.38	2.50	2.50	0.010	5.14	20.0	Averaged	
Toluene	1.51	1.47	1.47	0.010	-2.620	20.0	Averaged	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240702_2524070201.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524070201.D
Analysis Type WATER
Lab Sample ID 1800
Injection Date 02-JUL-2024 0927
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Chloroacetonitrile	0.038	0.041	0.041	0.000	10.2	20.0	Averaged	
2-Nitropropane	250	252	6.01	0.005	0.803	20.0	Wt Linear	
1,1-Dichloro-2-Propanone	250	244	64.1	0.001	-2.233	20.0	Wt Linear	
4-Methyl-2-Pentanone(MIBK)	250	275	1.53	0.010	10.1	20.0	Wt Linear	
trans-1,3-Dichloropropene	50.0	49.0	1.09	0.010	-2.068	20.0	Wt Linear	
Tetrachloroethene	0.548	0.544	0.544	0.010	-0.812	20.0	Averaged	
Ethyl Methacrylate	50.0	50.6	1.09	0.010	1.25	20.0	Wt Linear	
1,1,2-Trichloroethane	0.463	0.487	0.487	0.010	5.21	20.0	Averaged	
Chlorodibromomethane	50.0	47.1	1.62	0.010	-5.800	20.0	Wt Linear	
1,3-Dichloropropane	0.914	0.994	0.994	0.010	8.81	20.0	Averaged	
1,2-Dibromoethane	50.0	49.1	1.66	0.010	-1.861	20.0	Wt Linear	
2-Hexanone	250	272	2.25	0.010	8.90	20.0	Wt Linear	
1-Chlorohexane	0.792	0.851	0.851	0.010	7.41	20.0	Averaged	
Chlorobenzene	1.53	1.59	1.59	0.300	3.41	20.0	Averaged	
Ethylbenzene	50.0	47.9	1.16	0.010	-4.220	20.0	Wt Linear	
1,1,1,2-Tetrachloroethane	50.0	47.4	1.82	0.010	-5.108	20.0	Wt Linear	
mp-Xylene	100	95.9	0.979	0.010	-4.143	20.0	Wt Linear	
o-Xylene	1.02	0.971	0.971	0.010	-4.875	20.0	Averaged	
Styrene	50.0	50.0	0.563	0.010	0.073	20.0	Wt Linear	
Bromoform	50.0	45.3	2.20	0.100	-9.324	20.0	Wt Linear	
Isopropylbenzene	50.0	50.8	0.398	0.010	1.70	20.0	Wt Linear	
100 1,2-Dichloroethene, Total	0.285	0.307	0.307	0.010	7.91	20.0	Averaged	
92 4-Bromofluorobenzene	0.830	0.839	0.839	0.010	1.07	20.0	Averaged	
Bromobenzene	0.709	0.744	0.744	0.010	4.89	20.0	Averaged	
n-Propylbenzene	0.725	0.783	0.783	0.010	7.97	20.0	Averaged	
1,1,2,2-Tetrachloroethane	0.705	0.812	0.812	0.300	15.1	20.0	Averaged	
o-Chlorotoluene	1.91	2.10	2.10	0.010	9.97	20.0	Averaged	
1,3,5-Trimethylbenzene	2.02	2.17	2.17	0.010	7.75	20.0	Averaged	
1,2,3-Trichloropropane	0.227	0.251	0.251	0.010	10.4	20.0	Averaged	
trans-1,4-Dichloro-2-butene	50.0	51.6	4.48	0.010	3.18	20.0	Wt Linear	
p-Chlorotoluene	1.73	1.93	1.93	0.010	11.6	20.0	Averaged	
tert-Butylbenzene	0.483	0.535	0.535	0.010	10.7	20.0	Averaged	
Pentachloroethane	50.0	49.1	2.10	0.010	-1.861	20.0	Wt Linear	
1,2,4-Trimethylbenzene	50.0	51.1	0.458	0.010	2.19	20.0	Wt Linear	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240702_2524070201.D

Volatiles by EPA 8260D

Instrument ID ms25.i
Lab File ID 2524070201.D
Analysis Type WATER
Lab Sample ID 1800

Injection Date 02-JUL-2024 0927
ICAL Date(s) 25-JUN-2024, 25-JUN-2024
ICAL Times 11:03, 13:05
Quant Type ISTD

Compound	RRF / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
sec-Butylbenzene	2.49	2.80	2.80	0.010	12.4	20.0	Averaged	
p-Isopropyltoluene	0.571	0.627	0.627	0.010	9.79	20.0	Averaged	
1,3-Dichlorobenzene	1.19	1.29	1.29	0.010	7.91	20.0	Averaged	
1,4-Dichlorobenzene	1.25	1.31	1.31	0.010	5.37	20.0	Averaged	
Benzyl Chloride	50.0	47.8	3.50	0.010	-4.318	20.0	Wt Linear	
n-Butylbenzene	0.534	0.576	0.576	0.010	7.98	20.0	Averaged	
Hexachloroethane	50.0	46.8	2.50	0.010	-6.473	20.0	Wt Linear	
1,2-Dichlorobenzene	1.14	1.24	1.24	0.010	8.60	20.0	Averaged	
1,2-Dibromo-3-chloropropane	50.0	50.2	7.39	0.010	0.328	20.0	Wt Linear	
Nitrobenzene	500	492	23.0	0.000	-1.617	20.0	Quadratic	
Hexachlorobutadiene	50.0	47.8	2.78	0.000	-4.428	20.0	Wt Linear	
120 1,3-Dichloropropene, Total	100	98.7	1.04	0.010	-1.338	20.0	Wt Linear	
1,2,4-Trichlorobenzene	0.754	0.817	0.817	0.010	8.35	20.0	Averaged	
121 Total Xylenes	150	143	0.995	0.010	-4.387	20.0	Wt Linear	
Naphthalene	50.0	49.3	0.458	0.010	-1.431	20.0	Wt Linear	
1,2,3-Trichlorobenzene	50.0	47.1	1.25	0.010	-5.872	20.0	Wt Linear	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240702_2524070229.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524070229.D
Fraction VOA
SampleType ENDCCV
Inj Date 02-JUL-2024 1940

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Dichlorodifluoromethane	50.0	46.8	93.5	50-150	
Chloromethane	50.0	52.5	105	50-150	
Vinyl Chloride	50.0	48.8	97.6	50-150	
Bromomethane	50.0	59.0	118	50-150	
Chloroethane	50.0	48.9	97.8	50-150	
Pentane	50.0	34.7	69.4	50-150	
Trichlorofluoromethane	50.0	46.9	93.9	50-150	
Dichlorofluoromethane	50.0	47.9	95.8	50-150	
Ethyl Ether	50.0	46.9	93.8	50-150	
1,1-Dichloroethene	50.0	46.6	93.2	50-150	
Freon 113	50.0	47.2	94.4	50-150	
Carbon Disulfide	50.0	43.6	87.2	50-150	
Iodomethane	50.0	40.8	81.6	50-150	
Acrolein	250	216	86.4	50-150	
Isopropyl Alcohol	250	228	91.3	50-150	
3-Chloro-1-propene	50.0	45.6	91.2	50-150	
Methylene Chloride	50.0	46.1	92.2	50-150	
Acetone	250	217	86.6	50-150	
Methyl acetate	50.0	43.7	87.5	50-150	
trans-1,2-Dichloroethene	50.0	47.7	95.4	50-150	
Hexane	50.0	40.7	81.5	50-150	
Methyl t-Butyl Ether	50.0	43.4	86.8	50-150	
tert.- Butyl Alcohol	250	236	94.5	50-150	
Acetonitrile	250	251	101	50-150	
Diisopropyl ether	50.0	50.1	100	50-150	
Chloroprene	50.0	49.5	98.9	50-150	
1,1-Dichloroethane	50.0	49.1	98.2	50-150	
Acrylonitrile	250	247	98.9	50-150	
n-Propanol	500	485	96.9	50-150	
Ethyl tert-butyl ether	50.0	49.7	99.4	50-150	
Vinyl acetate	50.0	39.6	79.2	50-150	
cis-1,2-Dichloroethene	50.0	50.1	100	50-150	
2,2-Dichloropropane	50.0	39.9	79.8	50-150	
Bromochloromethane	50.0	48.0	96.0	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240702_2524070229.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524070229.D
Fraction VOA
SampleType ENDCCV
Inj Date 02-JUL-2024 1940

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Cyclohexane	50.0	45.4	90.7	50-150	
Chloroform	50.0	48.4	96.8	50-150	
Ethyl acetate	50.0	45.1	90.3	50-150	
Methyl acrylate	50.0	48.3	96.6	50-150	
Carbon Tetrachloride	50.0	42.3	84.6	50-150	
Tetrahydrofuran	250	243	97.1	50-150	
1,1,1-Trichloroethane	50.0	48.2	96.4	50-150	
2-Butanone	250	246	98.5	50-150	
1,1-Dichloropropene	50.0	47.3	94.7	50-150	
1-Chlorobutane	50.0	47.0	94.1	50-150	
Heptane	50.0	39.3	78.5	50-150	
Benzene	50.0	46.1	92.3	50-150	
Propionitrile	250	243	97.3	50-150	
Methacrylonitrile	50.0	47.5	95.1	50-150	
tert-amyl methyl E	50.0	49.2	98.4	50-150	
Isobutyl alcohol	500	607	121	50-150	
1,2-Dichloroethane	50.0	46.8	93.6	50-150	
tert-Amyl Alcohol	250	231	92.6	50-150	
Diisobutylene	50.0	44.4	88.8	50-150	
Trichloroethene	50.0	46.9	93.8	50-150	
Methyl cyclohexane	50.0	42.5	84.9	50-150	
tert-Amyl Ethylether	50.0	44.6	89.1	50-150	
Dibromomethane	50.0	48.0	95.9	50-150	
1,2-Dichloropropane	50.0	49.5	98.9	50-150	
Bromodichloromethane	50.0	43.2	86.5	50-150	
Methyl methacrylate	50.0	50.5	101	50-150	
1,4-Dioxane	1250	0.000		50-150	*
2-Chloroethylvinyl ether	50.0	43.0	85.9	50-150	
cis-1,3-Dichloropropene	50.0	40.2	80.4	50-150	
Octane	50.0	37.7	75.4	50-150	
Toluene	50.0	42.2	84.3	50-150	
Chloroacetonitrile	250	232	92.9	50-150	
2-Nitropropane	250	206	82.4	50-150	
1,1-Dichloro-2-pro	250	206	82.5	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240702_2524070229.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524070229.D
Fraction VOA
SampleType ENDCCV
Inj Date 02-JUL-2024 1940

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
4-Methyl-2-Pentanone(MIBK)	250	232	92.7	50-150	
Tetrachloroethene	50.0	44.6	89.2	50-150	
trans-1,3-Dichloropropene	50.0	40.8	81.6	50-150	
Ethyl methacrylate	50.0	42.9	85.8	50-150	
1,1,2-Trichloroethane	50.0	45.9	91.7	50-150	
Chlorodibromomethane	50.0	40.3	80.6	50-150	
1,2-Dibromoethane	50.0	41.6	83.2	50-150	
2-Hexanone	250	227	90.9	50-150	
1-Chlorohexane	50.0	41.9	83.9	50-150	
1,3-Dichloropropane	50.0	47.2	94.3	50-150	
Chlorobenzene	50.0	45.3	90.6	50-150	
Ethylbenzene	50.0	41.3	82.7	50-150	
1,1,1,2-Tetrachloroethane	50.0	41.2	82.3	50-150	
mp-Xylene	100	83.6	83.6	50-150	
o-Xylene	50.0	42.0	84.1	50-150	
Styrene	50.0	45.4	90.9	50-150	
Bromoform	50.0	40.0	80.1	50-150	
Isopropylbenzene	50.0	46.3	92.5	50-150	
Bromobenzene	50.0	46.5	93.1	50-150	
n-Propylbenzene	50.0	48.6	97.2	50-150	
1,1,2,2-Tetrachloroethane	50.0	50.7	101	50-150	
o-Chlorotoluene	50.0	49.5	99.1	50-150	
1,2-Dichloroethene, Total	100	97.8	97.8	50-150	
1,3,5-Trimethylbenzene	50.0	49.3	98.5	50-150	
1,2,3-Trichloropropane	50.0	48.4	96.8	50-150	
trans-1,4-Dichloro-2-butene	50.0	45.1	90.2	50-150	
p-Chlorotoluene	50.0	50.0	100	50-150	
tert-Butylbenzene	50.0	49.4	98.7	50-150	
Pentachloroethane	50.0	41.1	82.1	50-150	
1,2,4-Trimethylbenzene	50.0	46.6	93.2	50-150	
sec-Butylbenzene	50.0	51.9	104	50-150	
p-Isopropyltoluene	50.0	49.5	99.1	50-150	
1,3-Dichlorobenzene	50.0	48.4	96.8	50-150	
1,4-Dichlorobenzene	50.0	47.6	95.2	50-150	

Form 7 Continuing Calibration Verification (CCV)

Client ALS Houston
Project AHH130|HS24061330

Workorder 3366026

RunID 25240702_2524070229.D

Volatiles by EPA 8260D

Sample Matrix LIQUID
Lab Smp Id 1801
Data Type MS DATA
File ID 2524070229.D
Fraction VOA
SampleType ENDCCV
Inj Date 02-JUL-2024 1940

Compound	CONC Added	CONC Recovered	% Recovered	Limits	Q
Benzyl Chloride	50.0	31.4	62.8	50-150	
n-Butylbenzene	50.0	47.4	94.8	50-150	
Hexachloroethane	50.0	42.9	85.8	50-150	
1,2-Dichlorobenzene	50.0	48.6	97.1	50-150	
1,2-Dibromo-3-chloropropane	50.0	41.3	82.7	50-150	
Nitrobenzene	500	399	79.9	50-150	
Hexachlorobutadiene	50.0	40.5	81.1	50-150	
1,2,4-Trichlorobenzene	50.0	47.1	94.2	50-150	
Naphthalene	50.0	41.8	83.6	50-150	
1,3-Dichloropropene, Total	100	81.0	81.0	50-150	
1,2,3-Trichlorobenzene	50.0	41.2	82.4	50-150	
121 TOTAL XYLENES	150	126	83.8	50-150	

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Form 8

Internal Standard Area and RT Summary

Volatiles by EPA 8260D

Workorder

3366026

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Form 8 - Internal Standard Area and RT Summary

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

23240703		Fluorobenzene				Chlorobenzene -d5				1,4-Dichloro - benzene-d4			
Sample ID	File ID	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
STD-CCV	2324070301.D	801799		4.36		348928		6.36		360321		8.14	
3366026004	2324070311.D	726421		4.36		325252		6.37		335570		8.14	
3366026009	2324070314.D	754856		4.36		342133		6.37		352359		8.14	
3366026010	2324070315.D	771601		4.36		336254		6.37		352763		8.14	
3366026011	2324070316.D	757695		4.36		328906		6.36		349782		8.14	
3366026012	2324070310.D	795049		4.36		347518		6.37		366669		8.14	
3366026019	2324070307.D	792751		4.36		353118		6.37		373612		8.14	
3366026020	2324070312.D	756067		4.36		338676		6.37		362801		8.14	
3366026021	2324070313.D	805308		4.36		354895		6.37		380417		8.14	
3366026022	2324070309.D	767806		4.36		336141		6.37		334683		8.14	
3366026024	2324070308.D	784786		4.36		337874		6.37		342749		8.14	
MB-3848063	2324070305DQ.	795432		4.36		358772		6.37		377330		8.14	
LCS-3848064	2324070302DQ.	769118		4.35		340172		6.36		350413		8.14	

AREA UPPER LIMIT = +100% of STD IS Area
AREA LOWER LIMIT = - 50% of STD IS Area
RT - Retention IS - Internal StandardTime

RT UPPER LIMIT = + 0.50 of STD IS RT
RT LOWER LIMIT = - 0.50 of STD IS RT
CCV - Continuing Calibration Verification

- Area or RT Limit Flag
* - Value Outside Area or RT limits
H - Hour STD - Standard

Form 8 - Internal Standard Area and RT Summary

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

25240628		Fluorobenzene				Chlorobenzene -d5				1,4-Dichloro - benzene-d4				
Sample ID	File ID	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#	
STD-CCV	2524062801.D	1037403		4.17		395519		6.17		361869		7.95		
3366026001	2524062811.D	1003172		4.17		362309		6.17		306618		7.95		
3366026002	2524062812.D	989792		4.17		357393		6.17		299745		7.95		
3366026005	2524062814.D	957933		4.17		350492		6.17		284246		7.95		
3366026006	2524062815.D	981151		4.17		355025		6.17		299642		7.95		
3366026007	2524062816.D	906982		4.17		330091		6.17		280129		7.95		
3366026023	2524062806.D	1051658		4.17		379477		6.17		312924		7.95		
MB-3845975	2524062804.D	1076068		4.17		385851		6.17		307789		7.95		
LCS-3845976	2524062802.D	1039946		4.17		395604		6.17		325554		7.95		

AREA UPPER LIMIT = +100% of STD IS Area
AREA LOWER LIMIT = - 50% of STD IS Area
RT - Retention IS - Internal StandardTime

RT UPPER LIMIT = + 0.50 of STD IS RT
RT LOWER LIMIT = - 0.50 of STD IS RT
CCV - Continuing Calibration Verification

- Area or RT Limit Flag
* - Value Outside Area or RT limits
H - Hour STD - Standard

Form 8 - Internal Standard Area and RT Summary

Client ALS Houston

Project HS24061330 - AHH130

Workorder **3366026**

Volatiles by EPA 8260D

25240701		Fluorobenzene				Chlorobenzene -d5				1,4-Dichloro - benzene-d4			
Sample ID	File ID	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
STD-CCV	2524070101.D	1107878		4.17		413498		6.17		396634		7.95	
3366026002	2524070111.D	1019967		4.17		380636		6.17		329885		7.95	
3366026003	2524070106.D	1112207		4.17		406691		6.17		352528		7.95	
3366026005	2524070112.D	1042537		4.17		377064		6.17		321298		7.95	
3366026006	2524070113.D	1042030		4.17		373613		6.17		305282		7.95	
3366026007	2524070114.D	1005565		4.17		366892		6.17		315418		7.95	
3366026008	2524070115.D	996168		4.17		364042		6.17		309303		7.95	
3366026009	2524070116.D	924187		4.17		354797		6.17		308842		7.95	
3366026010	2524070117.D	976961		4.17		374944		6.17		327053		7.95	
3366026011	2524070118.D	962210		4.17		367113		6.17		320689		7.95	
3366026012	2524070119.D	997183		4.17		357208		6.17		297278		7.95	
3366026014	2524070121.D	968785		4.17		352189		6.17		288790		7.95	
3366026015	2524070122.D	988259		4.17		366549		6.17		300854		7.95	
3366026016	2524070123.D	953004		4.17		352991		6.17		285456		7.95	
3366026017	2524070124.D	949697		4.17		346920		6.17		279072		7.95	
3366026018	2524070125.D	977171		4.17		359583		6.17		290191		7.95	
MB-3846765	2524070105.D	1124234		4.17		409825		6.17		351184		7.95	
LCS-3846766	2524070102.D	1119462		4.17		424836		6.17		379786		7.95	

AREA UPPER LIMIT = +100% of STD IS Area
AREA LOWER LIMIT = - 50% of STD IS Area
RT - Retention IS - Internal StandardTime

RT UPPER LIMIT = + 0.50 of STD IS RT
RT LOWER LIMIT = - 0.50 of STD IS RT
CCV - Continuing Calibration Verification

- Area or RT Limit Flag
* - Value Outside Area or RT limits
H - Hour STD - Standard

Form 8 - Internal Standard Area and RT Summary

Client ALS Houston

Project HS24061330 - AHH130

Workorder 3366026

Volatiles by EPA 8260D

25240702		Fluorobenzene				Chlorobenzene -d5				1,4-Dichloro - benzene-d4			
Sample ID	File ID	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
STD-CCV	2524070201.D	931227		4.17		360814		6.17		322410		7.95	
3366026004	2524070211.D	886294		4.17		336307		6.17		275188		7.95	
3366026009	2524070210.D	872760		4.17		328427		6.17		271531		7.95	
3366026010	2524070209.D	872284		4.17		324524		6.17		274973		7.95	
3366026011	2524070208.D	891385		4.17		336319		6.17		274408		7.95	
3366026013	2524070206.D	893820		4.17		327534		6.17		252230		7.95	
3366026020	2524070213.D	796726		4.17		314078		6.17		265485		7.95	
3366026021	2524070214.D	784061		4.17		315401		6.17		264434		7.95	
MB-3847311	2524070205Q.D	911258		4.17		339427		6.17		270656		7.95	
LCS-3847312	2524070202Q.D	954510		4.17		371295		6.17		315376		7.95	
MS-3847323	2524070226.D	809680		4.17		321837		6.17		273347		7.95	
MSD-3847324	2524070227.D	836808		4.17		326706		6.17		280339		7.95	

AREA UPPER LIMIT = +100% of STD IS Area
AREA LOWER LIMIT = - 50% of STD IS Area
RT - Retention IS - Internal StandardTime

RT UPPER LIMIT = + 0.50 of STD IS RT
RT LOWER LIMIT = - 0.50 of STD IS RT
CCV - Continuing Calibration Verification

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Logbook

Analysis Logs

Volatiles by EPA 8260D

Workorder

3366026

Client

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Data File: \\GC01\TargetData\Chem2\ms23.i\23_2024\23240701.b

GCMS ANALYSIS - VOLATILE ORGANICS

DATE(S):	7/1/2024	Analyst:	TMP		SOP ID:	02--8260	
DATA FILE:	23240701xx.d	BFB INJ :	7/1/24 9:19	INSTRUMENT: MS23	METHOD(S)	8260W	8260C_W	8260DW
BATCH:	23240701.b	12-HOUR ENDING:	7/1/24 21:19	ICAL DATE: 7/1/2024	LIMS BATCH:			73675

Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment	Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment
0	00	1000	1	BFB	-	-	-		33	33							
1	01	WP	1	8260	-	-	-		34	34							
2	02	WP	1	8260	-	-	-		35	35							
3	03	VSTD00.5	1	8260	-	-	-		36	36							
4	04	1234	1	8260	-	-	-		37	37							
5	05	1235	1	8260	-	-	-		38	38							
6	06	1236	1	8260	-	-	-		39	39							
7	07	1237	1	8260	-	-	-		40	40							
8	08	1238	1	8260	-	-	-		41	41							
9	09	1239	1	8260	-	-	-		42	42							
10	10	WP	1	8260	-	-	-		43	43							
11	11	WP	1	8260	-	-	-		44	44							
12	12	WP	1	8260	-	-	-		45	45							
13	13	WP	1	8260	-	-	-		46	46							
14	14	3846784	1	8260	-	-	-		47	47							
15	15	3846785	1	8260	-	-	-		48	48							
16	16	WP	1	8260	-	-	-		49	49							
17	17	3365785001-A	1	2012 V	<2	N	N		50	50							
18	18	3365767001-A	1	2012 V	<2	N	N	1 VIAL	51	51							
19	19	3365811006-B	1	2012 V	<2	N	N	(CORR) LAST VIAL	52	52							
20	20	3365496004-B	100	2012 V	<2	N	N	(DL)	53	53							
21	21	3365811002-B	10	2012 V	<2	N	N	(DL)	54	54							
22	22	3365811003-B	10	2012 V	<2	N	N	(DL)	55	55							
23	23	3365811005-B	25	2012 V	<2	N	N	(DL)	56	56							
24	24	3365767002-A	1	2012 V	<2	N	N		57	57							
25	25	3365767003-A	1	2012 V	<2	N	N		58	58							
26	26	3365767004-A	1	2012 V	>2	N	N		59	59							
27	27	3365779002-A	1	2012 V	<2	N	N		60	60							
28	28	3365779003-A	1	2012 V	<2	N	N		61	61							
29	29	3365779001-A	5	2012 V	<2	N	N	MTX.	62	62							
30	30	3365785002-A	1	2012 V	<2	N	N	DL5	63	63							
31	31	3365785003-A	1	2012 V	<2	N	N	DL5	64	64							
32	32	WP	1	8260	-	-	-		65	65							

IS:	VOA0258	Vhew:	VOA0283
SS:	VOA0259	Vgas:	VOA0288
BFB:	VOA0250	Qvoa:	VOA0270
AF:	VOA0261	Qgas:	VOA0285

ABBREVIATIONS

CO:	Suspect Carryover	SS:	Surrogate Failure	NB:	Needs Batched
LS:	Library Search	IS:	ISTD Failure	AAS:	Autosampler Adds Surrogate (Soil)
RR:	Rerun same dilution	DNR:	Do not Report	(**):	Sample is an RR, DF, or DL
DFx:	Rerun @ less diln x	NU:	Not Used	WP:	Water Blank
DLx:	Rerun @ diln x	AF:	Antifoam was used	COMP:	Composite
HDSP:	Headspase	Cl:	Chlorine Check	Wt:	Weight

10ul :	HS972
25ul :	HS994
100ul :	HS987
1 mL :	HS927
5 mL :	HS997
10 mL :	HS1002

Batch Review Checklist

TARGET BATCH:	23240701.b	**HORIZON BATCH:**	0		73675	**ICAL DATE(S):**	7/1/2024
INSTRUMENT:	MS23	**METHOD:**	8260W	8260C_W	8260DW	**SOP ID:**	02--8260

DATA REVIEW

Reviewer 1	Reviewer 2		
CHS	VLM	BFB Reviewed	
TMP	CHS	Calibration/Continuing Calibration reviewed	
TMP	CHS	Continuing Calibration passes +/- ISTD area - CCAL is zeroed	
TMP	CHS	Correct ICAL referenced	
TMP	CHS	Correct start/end times/dates for ICAL	
TMP	CHS	Any elavated reporting limits due to ICAL?	Yes/No: N
CHS	VLM	Blank reviewed.	
CHS	VLM	LCS/second source reviewed	
-		MS/MSD reviewed - List failures on native sample	
CHS	VLM	All samples within 12/24-hour tune period?	
CHS	VLM	Compound retention times reviewed	
CHS	VLM	ISTDs for each sample reviewed	
CHS	VLM	Surrogates for each sample reviewed	
-	-	Soil weights/volumes correct	
CHS	VLM	Samples checked for over-range detections and put back in for reanalysis	
CHS	VLM	Spectra and ions have been reviewed for each analyte detected	
-	-	Library search has been performed for clients requesting it	
CHS	VLM	Container IDs in LIMS batch	

REPORTS REVIEW:

VLM	Runlog printed to PDF
CHS	Batch summary printed to PDF
TMP	ICAL Summary printed to PDF
CHS	BFB Reports printed to PDF
CHS	Calibration/CCAL reports printed to PDF
CHS	Reports printed to PDF for all samples (w/ LS if needed)
CHS	Logbook complete - All standard information included
VLM	Tests scheduled in LIMS

Signature	Date	
TMP/CHS	7/1/2024	Data 1st Review
CHS/VLM	7/2/2024	Data 2nd Review
VLM	7/2/2024	Data Reported
VLM	7/2/2024	Data Approved

COMMENTS:

LL Readback Outliers: Diisobutylene & Nitrobenzene-high bias

MIDL Readback Outliers: None

ICV Outliers(70-130%) : None

DOD ICV Outliers (80-120%) : None

Data File: \\GC01\TargetData\Chem2\ms23.i\23_2024\23240703.b

GCMS ANALYSIS - VOLATILE ORGANICS

DATE(S):	7/3/2024	Analyst:	TMP		SOP ID:	02--8260	
DATA FILE:	23240703xx.d	BFB INJ :	7/3/24 8:50	INSTRUMENT: MS23	METHOD(S)	8260W_NJ	D8260DW / D8260W
BATCH:	23240703.b	12-HOUR ENDING:	7/3/24 20:50	ICAL DATE: 7/1/2024	LIMS BATCH:	73706	73704 / 73705

Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment	Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment
0	00	1000	1	BFB	-	-	-		33	33							LIBV #73722
1	01	1800	1	8260	-	-	-		34	34							
2	02	3848064 "DOD D"	1	8260	-	-	-	3848066 "DOD" 3848105 "NJ"	35	35							
3	03	WP	1	8260	-	-	-		36	36							
4	04	WP	1	8260	-	-	-		37	37							
5	05	3848063 "DOD D"	1	8260	-	-	-	3848065 "DOD" 3848104 "NJ"	38	38							
6	06	3366813001-A	1	D8260W V	<2	N	N	MS/D	39	39	"DOD"						
7	07	3366026019-B	1	D8260W V	<2	N	N	(CORR)	40	40	"DOD D"						
8	08	3366026024-B	1	D8260W V	<2	N	N	(CORR)	41	41	"DOD D"						
9	09	3366026022-B	5	D8260W V	<2	N	N	(CODL)	42	42	"DOD D"						
10	10	3366026012-C	5	D8260W V	<2	N	N	(DF)	43	43	"DOD D"						
11	11	3366026004-C	50	D8260W V	<2	N	N	(DL)	44	44	"DOD D"						
12	12	3366026020-B	100	D8260W V	<2	N	N	(DL)	45	45	"DOD D"						
13	13	3366026021-B	100	D8260W V	<2	N	N	(DL)	46	46	"DOD D"						
14	14	3366026009-C	500	D8260W V	<2	N	N	(DL)	47	47	"DOD D"						
15	15	3366026010-C	500	D8260W V	<2	N	N	(DL)	48	48	"DOD D"						
16	16	3366026011-C	500	D8260W V	<2	N	N	(DL)	49	49	"DOD D"						
17	17	WP	1	8260	-	-	-		50	50							
18	18	3367108005-A	1	2012 V	<2	N	N	LS 1549/No Tics	51	51	"NJ"						
19	19	3367115001-A	50	2012 V	<2	N	N	HIST. DF1	52	52	"NJ"						
20	20	3367115002-A	5	2012 V	<2	N	N	MTX.	53	53	"NJ"						
21	21	3367108001-A	5	2012 V	<2	N	N	MTX. LS 1649/Tics	54	54	"NJ"						
22	22	3367108002-A	5	2012 V	<2	N	N	MTX. LS 1709/Tics	55	55	"NJ"						
23	23	3367108003-A	5	2012 V	<2	N	N	MTX. LS 1729/Tics	56	56	"NJ"						
24	24	3367108004-A	5	2012 V	<2	N	N	MTX. LS 1748/Tics	57	57	"NJ"						
25	25	WP	1	8260	-	-	-		58	58							
26	26	WP	1	8260	-	-	-		59	59							
27	27	3848209	1	D8260W V	<2	N	N	"B"	60	60	"DOD"						
27	28	3848210	1	D8260W V	<2	N	N	"B"	61	61	"DOD"						
28	29	1801	1	D8260W V	-	-	-		62	62							
29	30								63	63							
30	31								64	64							
31	32								65	65							

IS:	VOA0258	Vhew:	VOA0283
SS:	VOA0259	Vgas:	VOA0288
BFB:	VOA0250	Qvoa:	VOA0270
AF:	VOA0261	Qgas:	VOA0290

ABBREVIATIONS

CO:	Suspect Carryover	SS:	Surrogate Failure	NB:	Needs Batched
LS:	Library Search	IS:	ISTD Failure	AAS:	Autosampler Adds Surrogate (Soil)
RR:	Rerun same dilution	DNR:	Do not Report	(**):	Sample is an RR, DF, or DL
DFx:	Rerun @ less diln x	NU:	Not Used	WP:	Water Blank
DLx:	Rerun @ diln x	AF:	Antifoam was used	COMP:	Composite
HDSP:	Headspase	Cl:	Chlorine Check	Wt:	Weight

10ul :	HS972
25ul :	HS994
100ul :	HS987
1 mL :	HS927
5 mL :	HS997
10 mL :	HS1002

Batch Review Checklist

TARGET BATCH:	23240703.b	**HORIZON BATCH:**	73706	73704	73705	**ICAL DATE(S):**	7/1/2024
INSTRUMENT:	MS23	**METHOD:**	3260W_N	D8260DV	D8260W	**SOP ID:**	02--8260

DATA REVIEW

Reviewer 1	Reviewer 2		
CHS	VLM	BFB Reviewed	
CHS	VLM	Calibration/Continuing Calibration reviewed	
CHS	VLM	Continuing Calibration passes +/- ISTD area - CCAL is zeroed	
CHS	VLM	Correct ICAL referenced	
CHS	VLM	Correct start/end times/dates for ICAL	
CHS	VLM	Any elavated reporting limits due to ICAL?	Yes/No: N
CHS	VLM	Blank reviewed.	
CHS	VLM	LCS/second source reviewed	
CHS	VLM	MS/MSD reviewed - List failures on native sample	
CHS	VLM	All samples within 12/24-hour tune period?	
CHS	VLM	Compound retention times reviewed	
CHS	VLM	ISTDs for each sample reviewed	
CHS	VLM	Surrogates for each sample reviewed	
-	-	Soil weights/volumes correct	
CHS	VLM	Samples checked for over-range detections and put back in for reanalysis	
CHS	VLM	Spectra and ions have been reviewed for each analyte detected	
CHS	VLM	Library search has been performed for clients requesting it	
CHS	VLM	Container IDs in LIMS batch	

REPORTS REVIEW:

VLM	Runlog printed to PDF
CHS	Batch summary printed to PDF
CHS	ICAL Summary printed to PDF
CHS	BFB Reports printed to PDF
CHS	Calibration/CCAL reports printed to PDF
CHS	Reports printed to PDF for all samples (w/ LS if needed)
CHS	Logbook complete - All standard information included
VLM	Tests scheduled in LIMS

Signature	Date	
CHS	7/8/2024	Data 1st Review
VLM	7/9/2024	Data 2nd Review
VLM	7/9/2024	Data Reported
VLM	7/9/2024	Data Approved

COMMENTS:

LL Readback Outliers: Diisobutylene & Nitrobenzene-high bias

MIDL Readback Outliers: None

ICV Outliers(70-130%) : None

DOD ICV Outliers (80-120%) : None

Data File: \\GC01\TargetData\Chem2\ms25.i\25_2024\25240625.b

GCMS ANALYSIS - VOLATILE ORGANICS

DATE(S):	6/25/2024	Analyst:	ILY		SOP ID:	02 8260	
DATA FILE:	25240625xx.d	BFB INJ :	6/25/24 9:52	INSTRUMENT: MS25	METHOD(S)	8260W	8260C_W	D8260W
BATCH:	25240625.b	12-HOUR ENDING:	6/25/24 21:52	ICAL DATE: 6/25/2024	LIMS BATCH:			73573

Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment	Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment
0	00	1000	1	BFB	-	-	-		33	33							
1	01	WP	1	8260	-	-	-		34	34							
2	02	WP	1	8260	-	-	-		35	35							
3	03	VSTD00.5	1	8260	-	-	-		36	36							
4	04	1234	1	8260	-	-	-		37	37							
5	05	1235	1	8260	-	-	-		38	38							
6	06	1236	1	8260	-	-	-		39	39							
7	07	1237	1	8260	-	-	-		40	40							
8	08	1238	1	8260	-	-	-		41	41							
9	09	1239	1	8260	-	-	-		42	42							
10	10	WP	1	8260	-	-	-		43	43							
11	11	WP	1	8260	-	-	-		44	44							
12	12	WP	1	8260	-	-	-		45	45							
13	13	WP	1	8260	-	-	-		46	46							
14	14	3844041	1	8260	-	-	-	AF	47	47							
15	15	3844042	1	8260	-	-	-	AF	48	48							
16	16	WP	1	8260	-	-	-		49	49							
17	17	LOQ 1.0	1	8260	-	-	-		50	50							
18	18	3364027004-A	1	D8260W V		N			51	51							
19	19	3364639004-A	1	D8260W V		N			52	52							
20	20	3364581002-A	1	D8260W V		N			53	53							
21	21	3364581001-A	1	D8260W V		N			54	54							
22	22	3364027001-A	1	D8260W V		N			55	55							
23	23	3364027002-A	1	D8260W V		N			56	56							
24	24	3364027003-A	1	D8260W V		N			57	57							
25	25	3364581003-A	1	D8260W V		N			58	58							
26	26	3364639001-A	1	D8260W V		N			59	59							
27	27	3364464007-C	1	D8260W V		N		(RR)	60	60							
28	28	3363896005-C	1	D8260W V		N		(RR) PD MSD	61	61							
29	29	3363896016	20	TCLP V	-	-	-	AF	62	62							
30	30	3844274	1	D8260W V		N		"?"	63	63							
31	31	3844275	1	D8260W V		N		"?"	64	64							
32	32	1801	1	8260	-	-	-		65	65							

IS:	VOA0258	Vhew:	VOA0283
SS:	VOA0259	Vgas:	VOA0286
BFB:	VOA0250	Qvoa:	VOA0270
AF:	VOA0261	Qgas:	VOA0285

ABBREVIATIONS

CO:	Suspect Carryover	SS:	Surrogate Failure	NB:	Needs Batched
LS:	Library Search	IS:	ISTD Failure	AAS:	Autosampler Adds Surrogate (Soil)
RR:	Rerun same dilution	DNR:	Do not Report	(**):	Sample is an RR, DF, or DL
DFx:	Rerun @ less diln x	NU:	Not Used	WP:	Water Blank
DLx:	Rerun @ diln x	AF:	Antifoam was used	COMP:	Composite
HDSP:	Headspase	CI:	Chlorine Check	Wt:	Weight

10ul :	HS972
25ul :	HS866
100ul :	HS987
1 mL :	HS927
5 mL :	HS997
10 mL :	HS1002

Batch Review Checklist

TARGET BATCH:	25240625.b	**HORIZON BATCH:**	0		73573	**ICAL DATE(S):**	6/25/2024
INSTRUMENT:	MS25	**METHOD:**	8260W	3260C_W	D8260W	**SOP ID:**	02 8260

DATA REVIEW

Reviewer 1	Reviewer 2		
PDK	CHS	BFB Reviewed	
PDK	CHS	Calibration/Continuing Calibration reviewed	
PDK	CHS	Continuing Calibration passes +/- ISTD area - CCAL is zeroed	
PDK	CHS	Correct ICAL referenced	
PDK	CHS	Correct start/end times/dates for ICAL	
PDK	CHS	Any elavated reporting limits due to ICAL?	Yes/No: **N**
PDK	CHS	Blank reviewed.	
PDK	CHS	LCS/second source reviewed	
PDK	CHS	MS/MSD reviewed - List failures on native sample	
PDK	CHS	All samples within 12/24-hour tune period?	
PDK	CHS	Compound retention times reviewed	
PDK	CHS	ISTDs for each sample reviewed	
PDK	CHS	Surrogates for each sample reviewed	
-	-	Soil weights/volumes correct	
PDK	CHS	Samples checked for over-range detections and put back in for reanalysis	
PDK	CHS	Spectra and ions have been reviewed for each analyte detected	
-	-	Library search has been performed for clients requesting it	
PDK	CHS	Container IDs in LIMS batch	

REPORTS REVIEW:

CHS	Runlog printed to PDF
PDK	Batch summary printed to PDF
PDK	ICAL Summary printed to PDF
PDK	BFB Reports printed to PDF
PDK	Calibration/CCAL reports printed to PDF
PDK	Reports printed to PDF for all samples (w/ LS if needed)
PDK	Logbook complete - All standard information included
CHS	Tests scheduled in LIMS

Signature	Date	
PDK	6/25/2024	Data 1st Review
CHS	6/27/2024	Data 2nd Review
CHS	6/27/2024	Data Reported
CHS	6/27/2024	Data Approved

COMMENTS:

LL Readback Outliers: None

MIDL Readback Outliers: None

ICVLCS Outliers (70-130%) : None

DOD ICVLCS Outliers (80-120%): None

Data File: \\GC01\TargetData\Chem2\ms25.i\25_2024\25240628.b

GCMS ANALYSIS - VOLATILE ORGANICS

DATE(S):	6/28/2024	Analyst:	TMP/ILY		SOP ID:	02 8260	
DATA FILE:	25240628xx.d	BFB INJ :	6/28/24 9:00	INSTRUMENT: MS25	METHOD(S)	D8260DW / 8260C_W	D8260DW
BATCH:	25240628.b	12-HOUR ENDING:	6/28/24 21:00	ICAL DATE: 6/25/2024	LIMS BATCH:	73650	

Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment	Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment
0	00	1000	1	BFB	-	-	-		33	33							
1	01	1800	1	8260	-	-	-		34	34							
2	02	3845976	1	8260	-	-	-	AF	35	35							
3	03	WP	1	8260	-	-	-		36	36							
4	-	WP	1	8260	-	-	-	skipped by AS	37	37							
5	04	3845975	1	8260	-	-	-	AF	38	38							
6	05	3366030005-A	1	D8260W V	<2	N	N		39	39							
7	06	3366026023-A	1	D8260W V	<2	N	N		40	40							
8	07	3366028005-B	1	D8260W V	<2	N	N	(CORR)	41	41	LAST VIAL						
9	08	3366028008-B	1	D8260W V	<2	N	N	(CORR)	42	42	LAST VIAL						
10	09	3366027002-B	1	D8260W V	<2	N	N	(CORR)	43	43							
11	11	3366026001-A	1	D8260W V	<2	N	N		44	44	fixed AS error here						
12	12	3366026002-A	1	D8260W V	<2	N	N	DL20	45	45							
13	13	3366026003-A	1	D8260W V	<2	N	N	CORR1X	46	46							
14	14	3366026005-A	1	D8260W V	<2	N	N	DL5	47	47							
15	15	3366026006-A	1	D8260W V	<2	N	N	DL10	48	48							
16	16	3366026007-A	1	D8260W V	<2	N	N	DL100	49	49							
17	17	3366026008-A	1	D8260W V	<2	N	N	DL20	50	50							
18	18	3366030001-A	1	D8260W V	<2	N	N	PD MSD CORR1X	51	51							
19	19	3366030002-A	1	D8260W V	<2	N	N	CORR1X	52	52							
20	20	3366030003-A	1	D8260W V	<2	N	N	CORR1X	53	53							
21	21	3366030004-A	1	D8260W V	<2	N	N	CORR1X	54	54							
22	22	3366036001-B	5	D8260W V	<2	N	N	(DL)	55	55							
23	23	3366028004-B	10	D8260W V	<2	N	N	(DL)	56	56							
24	24	3366028007-B	10	D8260W V	<2	N	N	(DL)	57	57							
25	25	3366027001-B	50	D8260W V	<2	N	N	(DL)	58	58							
26	26	3845977	1	8260	<2	N	N	"B"	59	59	CANCELLED						parent sample needs rerun
26	27	3845978	1	8260	<2	N	N	"B"	60	60	CANCELLED						parent sample needs rerun
27	28	WP	1	8260	-	-	-		61	61							
28	29	1801	1	8260	-	-	-		62	62							
29	30								63	63							
30	31								64	64							
31	32								65	65							

IS:	VOA0258	Vhew:	VOA0283
SS:	VOA0259	Vgas:	VOA0286
BFB:	VOA0250	Qvoa:	VOA0270
AF:	VOA0261	Qgas:	VOA0285

ABBREVIATIONS

CO: Suspect Carryover	SS: Surrogate Failure	NB: Needs Batched
LS: Library Search	IS: ISTD Failure	AAS: Autosampler Adds Surrogate (Soil)
RR: Rerun same dilution	DNR: Do not Report	(**): Sample is an RR, DF, or DL
DFx: Rerun @ less diln x	NU: Not Used	WP: Water Blank
DLx: Rerun @ diln x	AF: Antifoam was used	COMP: Composite
HDSP: Headspase	Cl: Chlorine Check	Wt: Weight

10ul :	HS972
25ul :	HS866
100ul :	HS987
1 mL :	HS927
5 mL :	HS997
10 mL :	HS1002

Batch Review Checklist

TARGET BATCH:	25240628.b	**HORIZON BATCH:**	73650			**ICAL DATE(S):**	6/25/2024
INSTRUMENT:	MS25	**METHOD:**	D8260DW	8260C_W	D8260DW	**SOP ID:**	02 8260

DATA REVIEW

Reviewer 1	Reviewer 2		
TMP	VLM	BFB Reviewed	
TMP	VLM	Calibration/Continuing Calibration reviewed	
TMP	VLM	Continuing Calibration passes +/- ISTD area - CCAL is zeroed	
TMP	VLM	Correct ICAL referenced	
TMP	VLM	Correct start/end times/dates for ICAL	
TMP	VLM	Any elavated reporting limits due to ICAL?	Yes/No: **N**
TMP	VLM	Blank reviewed.	
TMP	VLM	LCS/second source reviewed	
TMP	VLM	MS/MSD reviewed - List failures on native sample	
TMP	VLM	All samples within 12/24-hour tune period?	
TMP	VLM	Compound retention times reviewed	
TMP	VLM	ISTDs for each sample reviewed	
TMP	VLM	Surrogates for each sample reviewed	
-	-	Soil weights/volumes correct	
TMP	VLM	Samples checked for over-range detections and put back in for reanalysis	
TMP	VLM	Spectra and ions have been reviewed for each analyte detected	
-	-	Library search has been performed for clients requesting it	
TMP	VLM	Container IDs in LIMS batch	

REPORTS REVIEW:

VLM	Runlog printed to PDF
TMP	Batch summary printed to PDF
TMP	ICAL Summary printed to PDF
TMP	BFB Reports printed to PDF
TMP	Calibration/CCAL reports printed to PDF
TMP	Reports printed to PDF for all samples (w/ LS if needed)
TMP	Logbook complete - All standard information included
VLM	Tests scheduled in LIMS

Signature	Date	
TMP	6/29/2024	Data 1st Review
VLM	6/30/2024	Data 2nd Review
VLM	6/30/2024	Data Reported
VLM	6/30/2024	Data Approved

COMMENTS:

LL Readback Outllers: None

MIDL Readback Outllers: None

ICVLCS Outliers (70-130%) : None

DOD ICVLCS Outliers (80-120%): None

Data File: \\GC01\TargetData\Chem2\ms25.i\25_2024\25240701.b

GCMS ANALYSIS - VOLATILE ORGANICS

DATE(S):	7/1/2024	Analyst:	TMP		SOP ID:	02 8260	
DATA FILE:	25240701xx.d	BFB INJ :	7/1/24 8:32	INSTRUMENT: MS25	METHOD(S)	8260DW	8260C_W	D8260DW
BATCH:	25240701.b	12-HOUR ENDING:	7/1/24 20:32	ICAL DATE: 6/25/2024	LIMS BATCH:			73674

Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment	Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment
0	00	1000	1	BFB	-	-	-		33	33							
1	01	1800	1	8260	-	-	-		34	34							
2	02	3846766	1	8260	-	-	-		35	35							
3	03	WP	1	8260	-	-	-		36	36							
4	04	WP	1	8260	-	-	-		37	37							
5	05	3846765	1	8260	-	-	-		38	38							
6	06	3366026003-B	1	D8260W V	<2	N	N	(CORR) LAST VIAL	39	39							
7	07	3366030001-C	1	D8260W V	<2	N	N	(CORR) MS/D PAID QC	40	40							
8	08	3366030002-B	1	D8260W V	<2	N	N	(CORR) SS	41	41							
9	09	3366030003-B	1	D8260W V	<2	N	N	(CORR)	42	42							
10	10	3366030004-B	1	D8260W V	<2	N	N	(CORR)	43	43							
11	11	3366026002-B	20	D8260W V	<2	N	N	(DL)	44	44							
12	12	3366026005-B	5	D8260W V	<2	N	N	(DL)	45	45							
13	13	3366026006-B	10	D8260W V	<2	N	N	(DL)	46	46							
14	14	3366026007-B	100	D8260W V	<2	N	N	(DL)	47	47							
15	15	3366026008-B	20	D8260W V	<2	N	N	(DL)	48	48							
16	16	3366026009-A	1	D8260W V	<2	N	N	DL100	49	49							
17	17	3366026010-A	1	D8260W V	<2	N	N	CO DL100	50	50							
18	18	3366026011-A	1	D8260W V	<2	N	N	CO DL100	51	51							
19	19	3366026012-A	1	D8260W V	<2	N	N	CO DL50	52	52							
20	20	3366026013-A	1	D8260W V	<2	N	N	CORR1X	53	53							
21	21	3366026014-A	1	D8260W V	<2	N	N		54	54							
22	22	3366026015-A	1	D8260W V	<2	N	N		55	55							
23	23	3366026016-A	1	D8260W V	<2	N	N		56	56							
24	24	3366026017-A	1	D8260W V	<2	N	N		57	57							
25	25	3366026018-A	1	D8260W V	<2	N	N		58	58							
26	26	WP	1	D8260W V	-	-	-		59	59							
27	27	3846786	1	D8260W V	<2	N	N	"D"	60	60							
27	28	3846787	1	D8260W V	<2	N	N	"D"	61	61							
28	29	1801	1	D8260W V	-	-	-		62	62							
29	30								63	63							
30	31								64	64							
31	32								65	65							

IS:	VOA0258	Vhew:	VOA0283
SS:	VOA0259	Vgas:	VOA0286
BFB:	VOA0250	Qvoa:	VOA0270
AF:	VOA0261	Qgas:	VOA0285

ABBREVIATIONS

CO: Suspect Carryover	SS: Surrogate Failure	NB: Needs Batched
LS: Library Search	IS: ISTD Failure	AAS: Autosampler Adds Surrogate (Soil)
RR: Rerun same dilution	DNR: Do not Report	(**): Sample is an RR, DF, or DL
DFx: Rerun @ less diln x	NU: Not Used	WP: Water Blank
DLx: Rerun @ diln x	AF: Antifoam was used	COMP: Composite
HDSP: Headspase	CI: Chlorine Check	Wt: Weight

10ul :	HS972
25ul :	HS866
100ul :	HS987
1 mL :	HS927
5 mL :	HS997
10 mL :	HS1002

Batch Review Checklist

TARGET BATCH:	25240701.b	**HORIZON BATCH:**	0		73674	**ICAL DATE(S):**	6/25/2024
INSTRUMENT:	MS25	**METHOD:**	8260DW	8260C_W	D8260DW	**SOP ID:**	02 8260

DATA REVIEW

Reviewer 1	Reviewer 2		
PDK	VLM	BFB Reviewed	
PDK	VLM	Calibration/Continuing Calibration reviewed	
PDK	VLM	Continuing Calibration passes +/- ISTD area - CCAL is zeroed	
PDK	VLM	Correct ICAL referenced	
PDK	VLM	Correct start/end times/dates for ICAL	
PDK	VLM	Any elavated reporting limits due to ICAL?	Yes/No: **N**
PDK	VLM	Blank reviewed.	
PDK	VLM	LCS/second source reviewed	
PDK	VLM	MS/MSD reviewed - List failures on native sample	
PDK	VLM	All samples within 12/24-hour tune period?	
PDK	VLM	Compound retention times reviewed	
PDK	VLM	ISTDs for each sample reviewed	
PDK	VLM	Surrogates for each sample reviewed	
-	-	Soil weights/volumes correct	
PDK	VLM	Samples checked for over-range detections and put back in for reanalysis	
PDK	VLM	Spectra and ions have been reviewed for each analyte detected	
-	-	Library search has been performed for clients requesting it	
PDK	VLM	Container IDs in LIMS batch	

REPORTS REVIEW:

VLM	Runlog printed to PDF
PDK	Batch summary printed to PDF
PDK	ICAL Summary printed to PDF
PDK	BFB Reports printed to PDF
PDK	Calibration/CCAL reports printed to PDF
PDK	Reports printed to PDF for all samples (w/ LS if needed)
PDK	Logbook complete - All standard information included
VLM	Tests scheduled in LIMS

Signature	Date	
PDK	7/1/2024	Data 1st Review
VLM	7/2/2024	Data 2nd Review
VLM	7/2/2024	Data Reported
VLM	7/2/2024	Data Approved

COMMENTS:

LL Readback Outllers: None

MIDL Readback Outllers: None

ICVLCS Outliers (70-130%) : None

DOD ICVLCS Outliers (80-120%): None

Data File: \\GC01\TargetData\Chem2\ms25.i\25_2024\25240702.b

GCMS ANALYSIS - VOLATILE ORGANICS

DATE(S):	7/2/2024	Analyst:	TMP		SOP ID:	02 8260	
DATA FILE:	25240702xx.d	BFB INJ :	7/2/24 8:36	INSTRUMENT: MS25	METHOD(S)	8260W	8260DW
BATCH:	25240702.b	12-HOUR ENDING:	7/2/24 20:36	ICAL DATE: 6/25/2024	LIMS BATCH:		73686
							D8260DW 73685

Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment	Pos #	Run #	ALS Sample ID (w/ Container ID)	Dilution	Test	pH	HDSP / Wt.	CL^-	Comment
0	00	1000	1	BFB	-	-	-		33	33							
1	01	1800	1	8260	-	-	-		34	34							
2	02	3847312 "DOD"	1	8260	-	-	-	3847314 "D"	35	35							
3	03	WP	1	8260	-	-	-		36	36							
4	04	WP	1	8260	-	-	-		37	37							
5	05	3847311 "DOD"	1	8260	-	-	-	3847313 "D"	38	38							
6	06	3366026013-B	1	D8260W V	<2	N	N	(CORR)	39	39	"DOD"						
7	07	3366026012-B	50	D8260W V	<2	N	N	(CODL) NU DF5	40	40	"DOD"						
8	08	3366026011-B	100	D8260W V	<2	N	N	(CODL) DL500	41	41	"DOD"						
9	09	3366026010-B	100	D8260W V	<2	N	N	(CODL) DL500	42	42	"DOD"						
10	10	3366026009-B	100	D8260W V	<2	N	N	(DL) DL500	43	43	"DOD"						
11	11	3366026004-A	1	D8260W V	<2	N	N	MS/D PAID QC DL50	44	44	"DOD"						
12	12	3366026019-A	1	D8260W V	<2	N	N	CO RR1X	45	45	"DOD"						
13	13	3366026020-A	1	D8260W V	<2	N	N	DL100	46	46	"DOD"						
14	14	3366026021-A	1	D8260W V	<2	N	N	DL100	47	47	"DOD"						
15	15	3366026022-A	1	D8260W V	<2	N	N	CO DL5	48	48	"DOD"						
16	16	3366026024-A	1	D8260W V	<2	N	N	CO RR1X	49	49	"DOD"						
17	17	WP	1	8260	-	-	-		50	50							
18	18	WP	1	8260	-	-	-		51	51							
19	19	3365785002-B	5	2012 V	<2	N	N	(DL)	52	52	"D"						
20	20	3365785003-B	5	2012 V	<2	N	N	(DL)	53	53	"D"						
21	21	3365785005-A	1	2012 V	<2	N	N		54	54	"D"						
22	22	3365785006-A	1	2012 V	<2	N	N		55	55	"D"						
23	23	3365785007-A	1	2012 V	<2	N	N		56	56	"D"						
24	24	3365785004-A	1	2012 V	<2	N	N	DL50	57	57	"D"						
25	25	WP	1	8260	-	-	-		58	58							
26	26	3847323	1	D8260W V	<2	N	N	"B"	59	59	"DOD"						
26	27	3847324	1	D8260W V	<2	N	N	"B"	60	60	"DOD"						
27	28	WP	1	8260	-	-	-		61	61							
28	29	1801	1	D8260W V	-	-	-		62	62	"DOD"						
29	30								63	63							
30	31								64	64							
31	32								65	65							

IS:	VOA0258	Vhew:	VOA0283
SS:	VOA0259	Vgas:	VOA0286
BFB:	VOA0250	Qvoa:	VOA0270
AF:	VOA0261	Qgas:	VOA0290

ABBREVIATIONS

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DLx: Rerun @ diln x	AF: Antifoam was used	COMP: Composite
HDSP: Headspase	CI: Chlorine Check	Wt: Weight

10ul :	HS972
25ul :	HS866
100ul :	HS987
1 mL :	HS927
5 mL :	HS997
10 mL :	HS1002

Batch Review Checklist

TARGET BATCH:	25240702.b	**HORIZON BATCH:**	0	73686	73685	**ICAL DATE(S):**	6/25/2024
INSTRUMENT:	MS25	**METHOD:**	8260W	8260DW	D8260DW	**SOP ID:**	02 8260

DATA REVIEW

Reviewer 1	Reviewer 2		
CHS	VLM	BFB Reviewed	
CHS	VLM	Calibration/Continuing Calibration reviewed	
CHS	VLM	Continuing Calibration passes +/- ISTD area - CCAL is zeroed	
CHS	VLM	Correct ICAL referenced	
CHS	VLM	Correct start/end times/dates for ICAL	
CHS	VLM	Any elavated reporting limits due to ICAL?	Yes/No: **N**
CHS	VLM	Blank reviewed.	
CHS	VLM	LCS/second source reviewed	
CHS	VLM	MS/MSD reviewed - List failures on native sample	
CHS	VLM	All samples within 12/24-hour tune period?	
CHS	VLM	Compound retention times reviewed	
CHS	VLM	ISTDs for each sample reviewed	
CHS	VLM	Surrogates for each sample reviewed	
-	-	Soil weights/volumes correct	
CHS	VLM	Samples checked for over-range detections and put back in for reanalysis	
CHS	VLM	Spectra and ions have been reviewed for each analyte detected	
-	-	Library search has been performed for clients requesting it	
CHS	VLM	Container IDs in LIMS batch	

REPORTS REVIEW:

VLM	Runlog printed to PDF
CHS	Batch summary printed to PDF
CHS	ICAL Summary printed to PDF
CHS	BFB Reports printed to PDF
CHS	Calibration/CCAL reports printed to PDF
CHS	Reports printed to PDF for all samples (w/ LS if needed)
CHS	Logbook complete - All standard information included
VLM	Tests scheduled in LIMS

Signature	Date	
CHS	7/3/2024	Data 1st Review
VLM	7/9/2024	Data 2nd Review
VLM	7/9/2024	Data Reported
VLM	7/9/2024	Data Approved

COMMENTS:

LL Readback Outllers: None

MIDL Readback Outllers: None

ICVLCS Outliers (70-130%) : None

DOD ICVLCS Outliers (80-120%): None

right solutions.
right partner.

Raw Data 23240701

Volatiles by EPA 8260D

Workorder

3366026

Client

ALS Houston

Project

AHH130|HS24061330

07/10/2024

www.alsglobal.com

Data File: 2324070100.D Page 1
Report Date: 02-Jul-2024 03:53

ALS Environmental Services

BFB Tune

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\2324070100.D
Lab Smp Id: 1000
Inj Date : 01-JUL-2024 09:19
Operator : TMP Inst ID: ms23.i
Smp Info : 1000;;1;;;;;
Misc Info :
Comment :
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Meth Date : 13-Sep-2023 15:55 bsimms Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
7.249	7.159 (0.000)		95	99408			0.00- 100.00	100.00
7.249	8.129 (0.000)		50	18080			15.00- 40.00	18.19
7.249	8.129 (0.000)		75	55216			30.00- 60.00	55.54
7.249	8.129 (0.000)		96	6462			5.00- 9.00	6.50
7.249	8.129 (0.000)		173	973			0.00- 2.00	1.07
7.249	8.129 (0.000)		174	90768			50.00- 0.00	91.31
7.249	8.129 (0.000)		175	7482			5.00- 9.00	8.24
7.249	8.129 (0.000)		176	86408			95.00- 101.00	95.20
7.249	8.129 (0.000)		177	5558			5.00- 9.00	6.43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.19
75	30.00 - 60.00% of mass 95	55.54
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.98 (1.07)
174	Greater than 50.00% of mass 95	91.31
175	5.00 - 9.00% of mass 174	7.53 (8.24)
176	95.00 - 101.00% of mass 174	86.92 (95.20)
177	5.00 - 9.00% of mass 176	5.59 (6.43)

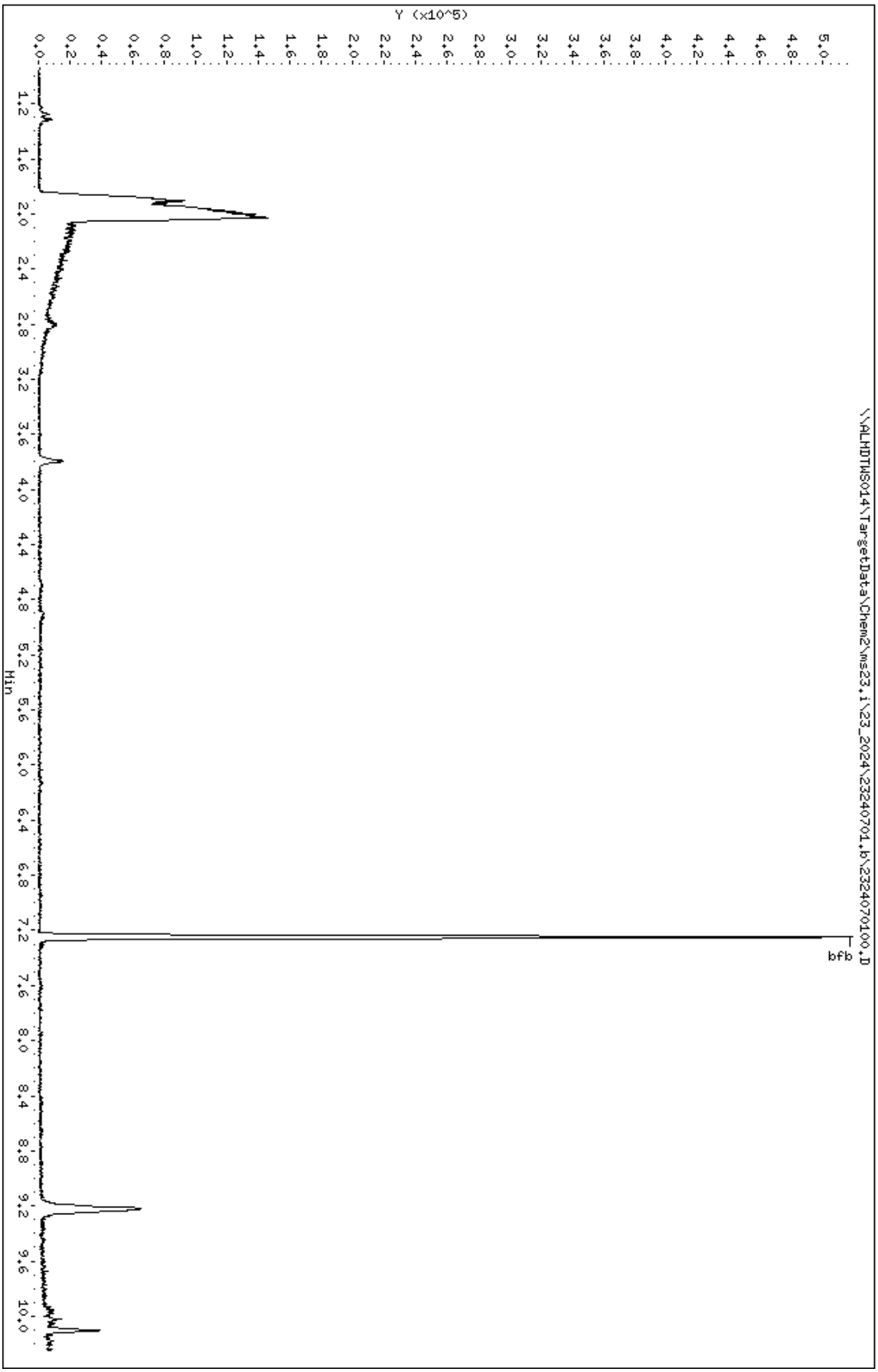
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Number of points: 79

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36.00	884	64.00	408	91.00	518	137.00	266
37.00	4724	65.00	115	92.00	3196	141.00	1268
38.00	3782	67.00	161	93.00	4289	142.00	93
39.00	1281	68.00	9563	94.00	12417	143.00	1401
40.00	231	69.00	11031	95.00	99408	146.00	269
44.00	563	70.00	794	96.00	6462	148.00	214
45.00	876	72.00	636	97.00	404	150.00	217
47.00	785	73.00	4509	104.00	289	154.00	73
48.00	935	74.00	16936	105.00	132	155.00	257
49.00	3470	75.00	55216	106.00	566	157.00	158
50.00	18080	76.00	4889	110.00	56	159.00	160
51.00	5583	77.00	597	113.00	60	170.00	231
52.00	106	78.00	583	116.00	521	172.00	65
56.00	1354	79.00	2942	117.00	590	173.00	973
57.00	2379	80.00	605	118.00	372	174.00	90768
58.00	217	81.00	2982	119.00	603	175.00	7482
60.00	677	82.00	679	127.00	63	176.00	86408
61.00	5061	86.00	123	128.00	457	177.00	5558
62.00	4895	87.00	3570	130.00	354	178.00	415
63.00	4197	88.00	2306	131.00	120		

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Date : 01-JUL-2024 09:19
Client ID:
Sample Info: 1000;1;;;;;
Volume Injected (uL): 1.0
Column phase: DB624

Instrument: ms23.i
Operator: THP
Column diameter: 0.53

Page 1



Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\2324070100.D
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InstruID : ms23.i
LabSampID : 1000

NO MANUAL INTEGRATIONS

Data File: 2324070103.D Page 1
Report Date: 02-Jul-2024 11:59

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\2324070103.D
Lab Smp Id: VSTD00.5
Inj Date : 01-JUL-2024 10:30
Operator : TMP Inst ID: ms23.i
Smp Info : VSTD00.5;;1;1;8;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\23-8260b09.m
Meth Date : 02-Jul-2024 03:54 chs Quant Type: ISTD
Cal Date : 25-JUN-2024 12:00 Cal File: 2324062504.D
Als bottle: 3 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.629	1.629	(0.374)	4500	0.50000	0.362226(a)	
2	Chloromethane	50	1.788	1.788	(0.411)	4510	0.50000	0.591367(a)	
3	Vinyl Chloride	62	1.852	1.852	(0.425)	2791	0.50000	0.354187(a)	
4	Bromomethane	94	2.075	2.075	(0.476)	4042	0.50000	0.678436(a)	
5	Chloroethane	64	2.150	2.150	(0.494)	1458	0.50000	0.324027(a)	
6	Pentane	41	2.251	2.251	(0.517)	3878	0.50000	0.829960(aQ)	
7	Trichlorofluoromethane	101	2.260	2.260	(0.519)	5461	0.50000	0.332147(a)	
8	Dichlorofluoromethane	67	2.277	2.277	(0.523)	8452	0.50000	0.538083(a)	
9	Ethyl Ether	74	2.448	2.448	(0.562)	2240	0.50000	0.496509(aQ)	
10	1,1-Dichloroethene	61	2.578	2.578	(0.592)	5649	0.50000	0.532065(a)	
11	Freon 113	101	2.596	2.596	(0.596)	3691	0.50000	0.533598(a)	
12	Carbon Disulfide	76	2.625	2.625	(0.603)	9860	0.50000	0.498063(a)	
13	Iodomethane	127	2.680	2.680	(0.615)	1422	0.50000	0.365083(a)	
14	Acrolein	56	2.758	2.758	(0.633)	3486	2.50000	2.62235	
15	Isopropyl Alcohol	45	2.813	2.813	(0.646)	2990	2.50000	4.31901	
16	3-Chloro-1-propene	41	2.853	2.853	(0.655)	3761	0.50000	0.506950(a)	
17	Methylene Chloride	84	2.914	2.914	(0.669)	4789	0.50000	0.598503(a)	
18	Acetone	58	2.917	2.917	(0.670)	2356	2.50000	3.03617(Q)	
19	Methyl acetate	74	2.978	2.978	(0.684)	1132	0.50000	0.704772(aQ)	
20	trans-1,2-Dichloroethene	61	3.001	3.001	(0.689)	4564	0.50000	0.471180(a)	
21	Hexane	57	3.045	3.045	(0.699)	10093	0.50000	0.767369(a)	
22	Methyl t-Butyl Ether	73	3.047	3.047	(0.700)	13731	0.50000	0.507784(aQ)	

Data File: 2324070103.D
Report Date: 02-Jul-2024 11:59

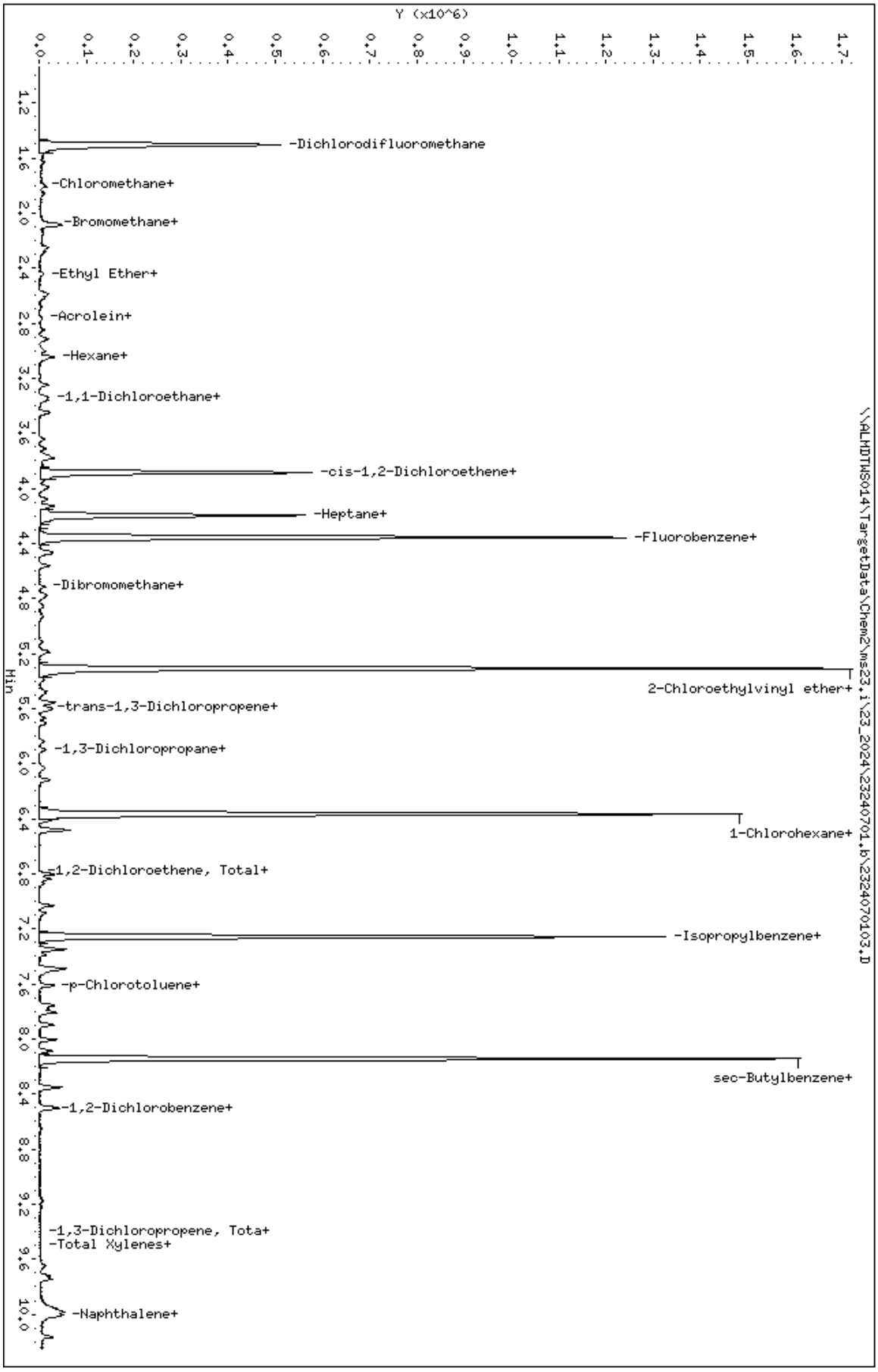
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	3.071	3.071	(0.705)	3123	2.50000	2.63542	
	24 Acetonitrile	41	3.189	3.189	(0.732)	2598	2.50000	3.04747	
	25 Diisopropyl ether	45	3.247	3.247	(0.745)	9651	0.50000	0.529677(a)	
	26 Chloroprene	53	3.337	3.337	(0.766)	5238	0.50000	0.460499(aM)	I
	27 1,1-Dichloroethane	63	3.346	3.346	(0.768)	6498	0.50000	0.505306(a)	
	28 Acrylonitrile	53	3.366	3.366	(0.773)	8510	2.50000	2.61393(M)	I
	29 Ethyl tert-butyl ether	59	3.447	3.447	(0.791)	11140	0.50000	0.462575(a)	
	30 n-Propanol	41	3.447	3.447	(0.791)	2367	5.00000	5.21562(Q)	
	31 Vinyl Acetate	86	3.450	3.450	(0.792)	986	0.50000	0.494271(aQ)	
	32 cis-1,2-Dichloroethene	61	3.647	3.647	(0.837)	5421	0.50000	0.520440(a)	
	33 2,2-Dichloropropane	77	3.708	3.708	(0.851)	6729	0.50000	0.493080(aQM)	IH
	34 Bromochloromethane	128	3.760	3.760	(0.863)	2138	0.50000	0.472343(a)	
	35 Cyclohexane	84	3.786	3.786	(0.869)	6093	0.50000	0.553867(a)	
	36 Chloroform	83	3.783	3.783	(0.868)	8246	0.50000	0.492731(a)	
	37 Ethyl Acetate	43	3.815	3.815	(0.876)	5101	0.50000	0.650017(a)	
	38 Methyl acrylate	55	3.832	3.832	(0.880)	3268	0.50000	0.455850(a)	
	39 Carbon Tetrachloride	117	3.887	3.887	(0.892)	5774	0.50000	0.424943(a)	
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	249879	30.0000	29.1703	
	40 Tetrahydrofuran	42	3.896	3.896	(0.894)	5537	2.50000	2.78869	
	42 1,1,1-Trichloroethane	97	3.928	3.928	(0.902)	7807	0.50000	0.504150(a)	
	43 2-Butanone	72	3.936	3.936	(0.904)	3096	2.50000	2.71819(Q)	
	44 1,1-Dichloropropene	75	3.986	3.986	(0.915)	6233	0.50000	0.556888(a)	
	45 1-Chlorobutane	41	4.006	4.006	(0.920)	4088	0.50000	0.562291(a)	
	46 Heptane	71	4.078	4.078	(0.936)	3247	0.50000	0.652402(a)	
	47 Benzene	78	4.133	4.133	(0.949)	15159	0.50000	0.524073(a)	
	48 Propionitrile	54	4.113	4.113	(0.944)	3146	2.50000	2.56872(Q)	
	49 Methacrylonitrile	67	4.124	4.124	(0.947)	1495	0.50000	0.433099(aQM)	H
	50 tert-Amyl methyl ether	73	4.162	4.162	(0.955)	11795	0.50000	0.484252(a)	
	54 Isobutyl alcohol	42	4.159	4.159	(0.955)	1092	5.00000	4.82752(QM)	H
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	355411	30.0000	29.4455	
	52 1,2-Dichloroethane	62	4.232	4.232	(0.971)	8297	0.50000	0.575955(a)	
	53 tert-Amyl Alcohol	59	4.237	4.237	(0.973)	2306	2.50000	2.64369	
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	871732	30.0000		
	56 Diisobutylene	57	4.353	4.353	(0.999)	34214	0.50000	1.21052(Q)	
	57 Trichloroethene	95	4.463	4.463	(1.025)	4263	0.50000	0.497712(a)	
	58 Methyl cyclohexane	83	4.475	4.475	(0.703)	6512	0.50000	0.566552(a)	
	59 tert-Amyl Ethylether	59	4.559	4.559	(1.047)	8800	0.50000	0.488323(a)	
	60 Dibromomethane	93	4.712	4.712	(1.082)	2981	0.50000	0.522094(a)	
	61 1,2-Dichloropropane	63	4.767	4.767	(1.094)	3368	0.50000	0.525094(aM)	H
	62 Bromodichloromethane	83	4.790	4.790	(1.100)	5939	0.50000	0.478673(a)	
	63 Methyl methacrylate	41	4.851	4.851	(1.114)	3885	0.50000	0.541627(aM)	H
	64 1,4-Dioxane	88	4.903	4.903	(1.126)	1797	12.5000	14.0475(M)	H
	65 2-Chloroethylvinyl ether	63	5.115	5.115	(1.174)	1556	0.50000	0.372090(aQ)	
	66 cis-1,3-Dichloropropene	75	5.187	5.187	(0.815)	6110	0.50000	0.476190(a)	
	67 Octane	85	5.196	5.196	(0.816)	2447	0.50000	0.576043(aQ)	
$	68 Toluene-d8	98	5.309	5.309	(0.834)	892663	30.0000	29.6998	
	69 Toluene	92	5.346	5.346	(0.840)	10453	0.50000	0.535744(a)	
	70 Chloroacetonitrile	75	5.381	5.381	(0.845)	1118	2.50000	2.05724(QM)	I
	71 2-Nitropropane	41	5.474	5.474	(0.860)	6554	2.50000	2.11316	
	72 1,1-Dichloro-2-Propanone	63	5.491	5.491	(0.863)	548	2.50000	2.06306(QM)	H
	73 4-Methyl-2-Pentanone(MIBK)	43	5.552	5.552	(0.872)	16845	2.50000	2.46250	
	75 trans-1,3-Dichloropropene	75	5.592	5.592	(0.879)	6812	0.50000	0.502998(a)	
	74 Tetrachloroethene	164	5.604	5.604	(0.880)	4151	0.50000	0.538842(a)	
	76 Ethyl Methacrylate	69	5.665	5.665	(0.890)	5312	0.50000	0.494894(aM)	H

Data File: 2324070103.D Page 3
Report Date: 02-Jul-2024 11:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
77	1,1,2-Trichloroethane	83	5.702	5.702	(0.896)	2972	0.50000	0.501648(a)	
78	Chlorodibromomethane	129	5.841	5.841	(0.918)	5070	0.50000	0.499872(a)	
79	1,3-Dichloropropane	76	5.899	5.899	(0.927)	6830	0.50000	0.541731(a)	
80	1,2-Dibromoethane	107	6.024	6.024	(0.946)	4049	0.50000	0.483191(a)	
81	2-Hexanone	43	6.116	6.116	(0.961)	11610	2.50000	2.35027	
82	1-Chlorohexane	91	6.337	6.337	(0.995)	5003	0.50000	0.511004(aQ)	
* 83	Chlorobenzene-d5	82	6.365	6.365	(1.000)	385057	30.0000		
84	Chlorobenzene	112	6.377	6.377	(1.002)	11213	0.50000	0.505624(a)	
85	Ethylbenzene	106	6.383	6.383	(1.003)	6074	0.50000	0.529799(aQ)	
86	1,1,1,2-Tetrachloroethane	131	6.415	6.415	(1.008)	4429	0.50000	0.492783(a)	
87	mp-Xylene	106	6.481	6.481	(1.018)	13787	1.00000	0.982458(aQ)	
88	o-Xylene	106	6.806	6.806	(1.069)	6919	0.50000	0.498784(a)	
89	Styrene	104	6.837	6.837	(0.840)	10154	0.50000	0.464808(a)	
90	Bromoform	173	6.866	6.866	(0.843)	3688	0.50000	0.514488(a)	
91	Isopropylbenzene	105	7.029	7.029	(0.863)	17170	0.50000	0.527760(a)	
M 100	1,2-Dichloroethene, Total	61				9985	1.00000	0.991620(a)	
$ 92	4-Bromofluorobenzene	174	7.257	7.257	(0.891)	315591	30.0000	29.8979	
93	Bromobenzene	156	7.353	7.353	(0.903)	5012	0.50000	0.518875(a)	
94	n-Propylbenzene	120	7.353	7.353	(0.903)	5104	0.50000	0.534120(a)	
95	1,1,2,2-Tetrachloroethane	83	7.385	7.385	(0.907)	5302	0.50000	0.566147(a)	
96	o-Chlorotoluene	91	7.483	7.483	(0.919)	16116	0.50000	0.561252(a)	
97	1,3,5-Trimethylbenzene	105	7.495	7.495	(0.920)	15958	0.50000	0.529779(a)	
98	1,2,3-Trichloropropane	110	7.503	7.503	(0.921)	2290	0.50000	0.577588(a)	
99	trans-1,4-Dichloro-2-butene	53	7.527	7.527	(0.924)	1639	0.50000	0.497008(aQM)	H
101	p-Chlorotoluene	91	7.616	7.616	(0.935)	13684	0.50000	0.524872(a)	
102	tert-Butylbenzene	134	7.755	7.755	(0.952)	3488	0.50000	0.493021(aQ)	
103	Pentachloroethane	117	7.778	7.778	(0.955)	3678	0.50000	0.572991(aQM)	I
104	1,2,4-Trimethylbenzene	105	7.810	7.810	(0.959)	16645	0.50000	0.536611(a)	
105	sec-Butylbenzene	105	7.897	7.897	(0.970)	18838	0.50000	0.531317(a)	
106	p-Isopropyltoluene	134	8.007	8.007	(0.983)	4354	0.50000	0.525759(a)	
107	1,3-Dichlorobenzene	146	8.088	8.088	(0.993)	9814	0.50000	0.550784(a)	
* 108	1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	381542	30.0000		
109	1,4-Dichlorobenzene	146	8.158	8.158	(1.002)	9869	0.50000	0.545842(aQ)	
110	Benzyl Chloride	126	8.349	8.349	(1.025)	2158	0.50000	0.541362(aQ)	
111	n-Butylbenzene	134	8.355	8.355	(1.026)	3712	0.50000	0.500436(aQ)	
112	Hexachloroethane	117	8.491	8.491	(1.043)	3104	0.50000	0.505120(aM)	IH
113	1,2-Dichlorobenzene	146	8.508	8.508	(1.045)	9274	0.50000	0.532767(a)	
114	1,2-Dibromo-3-chloropropane	75	9.165	9.165	(1.125)	1220	0.50000	0.468777(a)	
115	Nitrobenzene	77	9.640	9.640	(1.184)	3250	5.00000	21.1809	
116	Hexachlorobutadiene	225	9.718	9.718	(1.193)	3106	0.50000	0.613618(a)	
M 120	1,3-Dichloropropene, Total	75				12922	1.00000	0.979188(a)	
117	1,2,4-Trichlorobenzene	180	9.747	9.747	(1.197)	5509	0.50000	0.494855(a)	
M 121	Total Xylenes	106				20706	1.50000	1.48124	
118	Naphthalene	128	10.008	10.008	(1.229)	14873	0.50000	0.473989(a)	
119	1,2,3-Trichlorobenzene	180	10.161	10.161	(1.248)	6487	0.50000	0.559587(aH)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

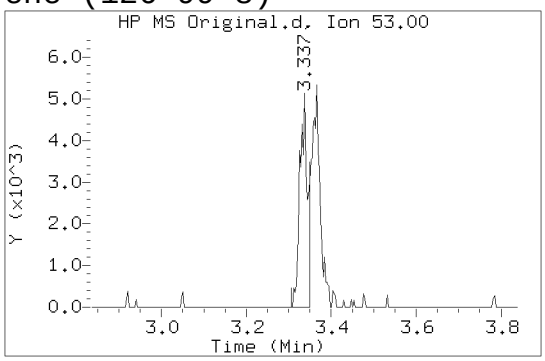

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-Bromomethane+
-Ethyl Ether+
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-Hexane+
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-Heptane+
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-Dibromomethane+
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Page 1

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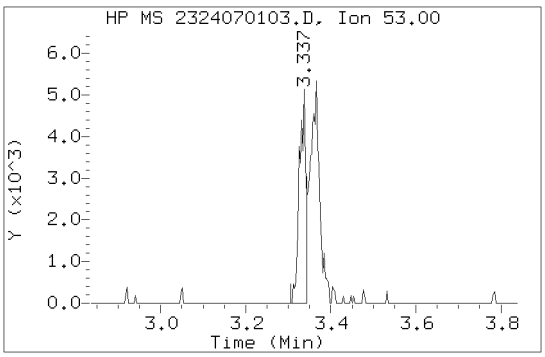
Chloroprene (126-99-8)

Reason Code: I

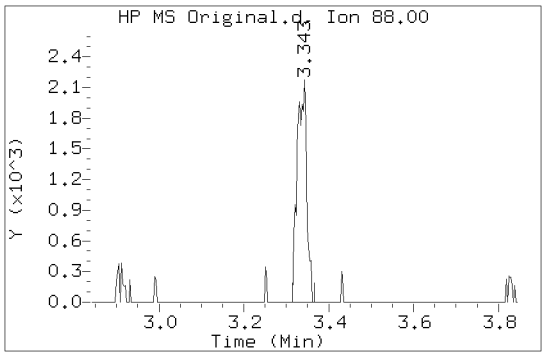
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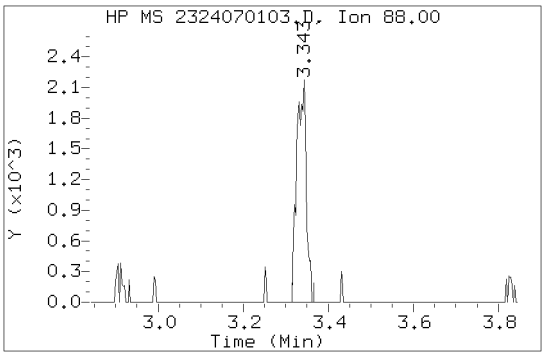
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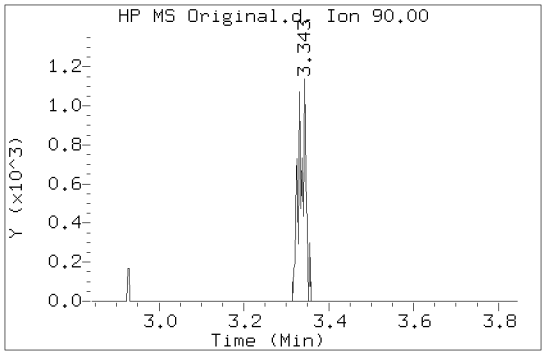
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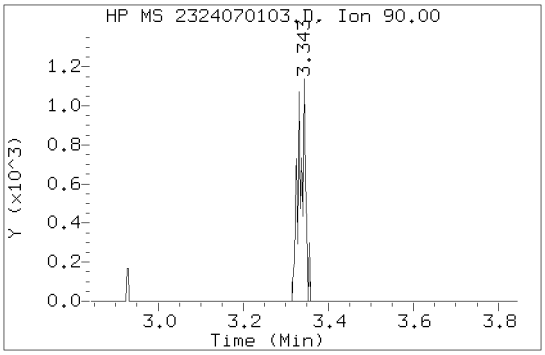
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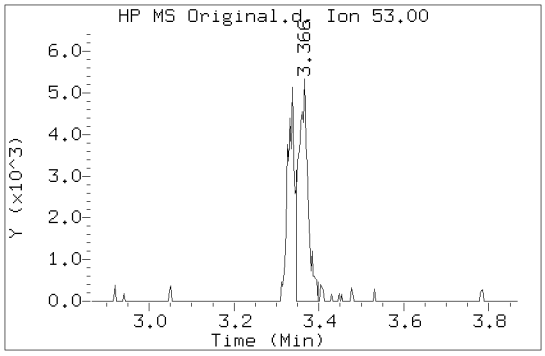
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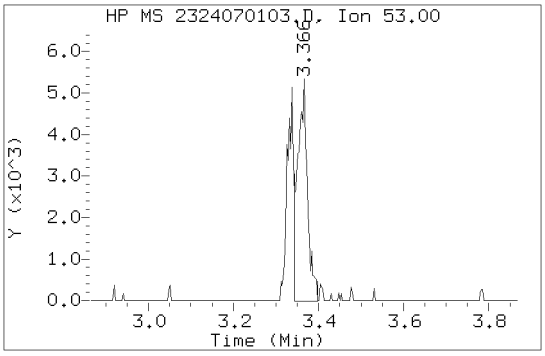
Acrylonitrile (107-13-1)

Reason Code: I

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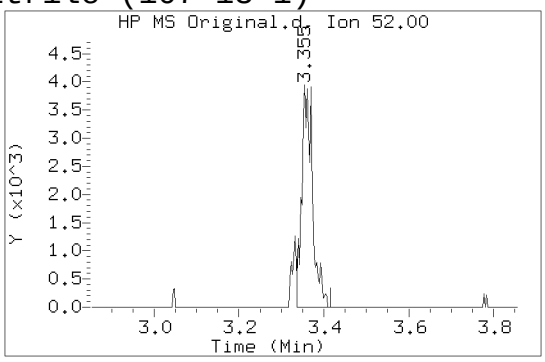


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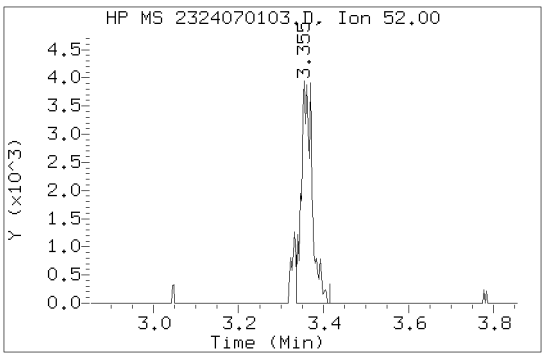
Acrylonitrile (107-13-1)

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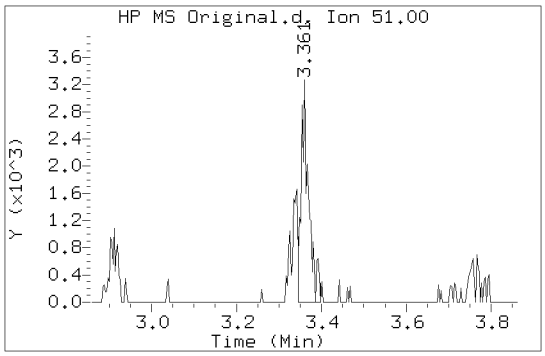
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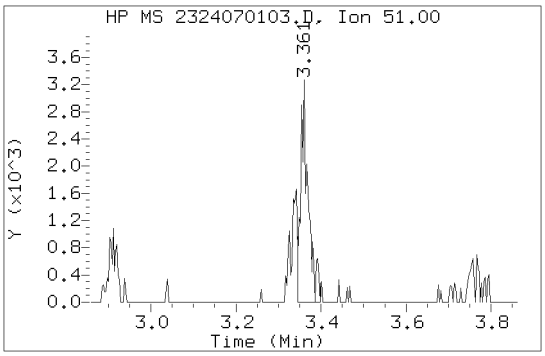
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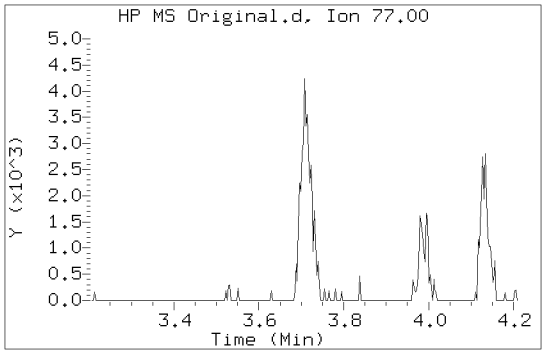
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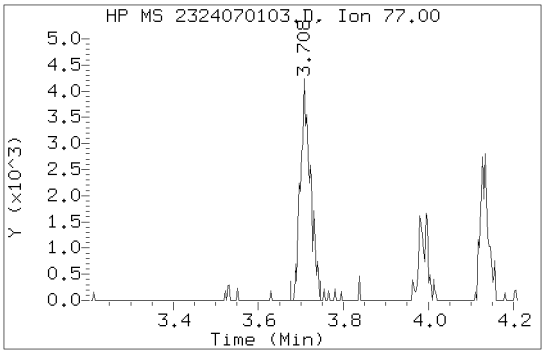
2,2-Dichloropropane (594-20-7)

Reason Code: IH

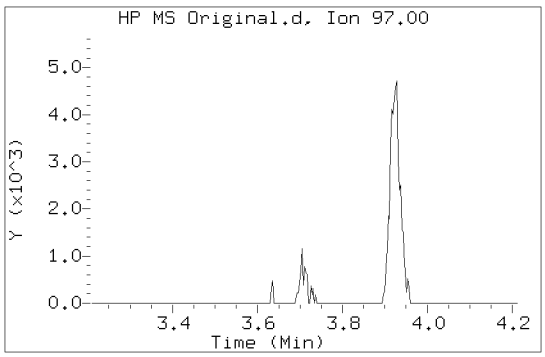
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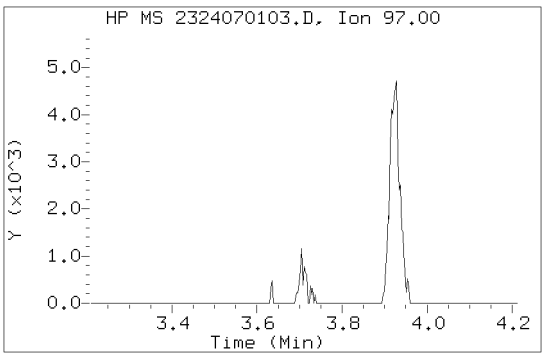
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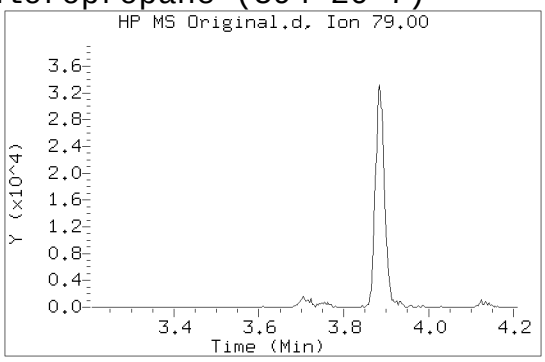


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Inj Date : 01-JUL-2024 10:30
InstruID : ms23.i
LabSampID : VSTD00.5

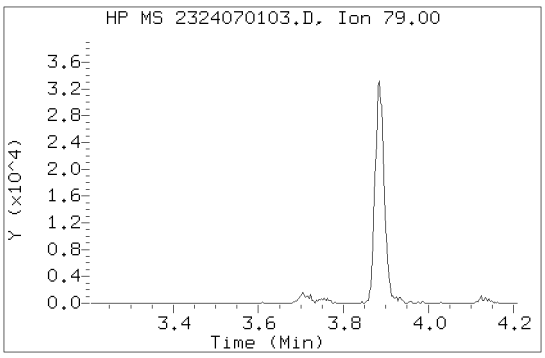
2,2-Dichloropropane (594-20-7)

Reason Code: IH

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79
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HEIGHT
0
01-Jul-2024
13:08



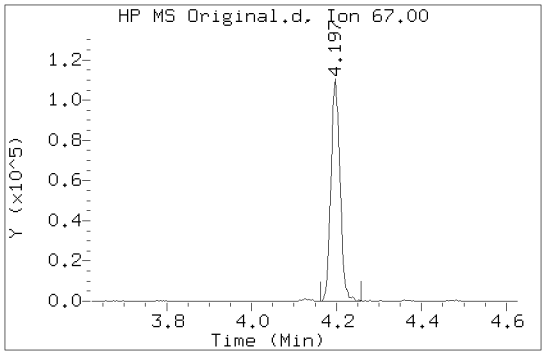
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79
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HEIGHT
0
02-Jul-2024
11:59



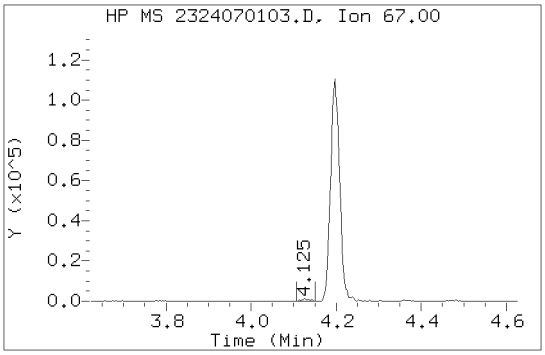
Methacrylonitrile (126-98-7)

Reason Code: H

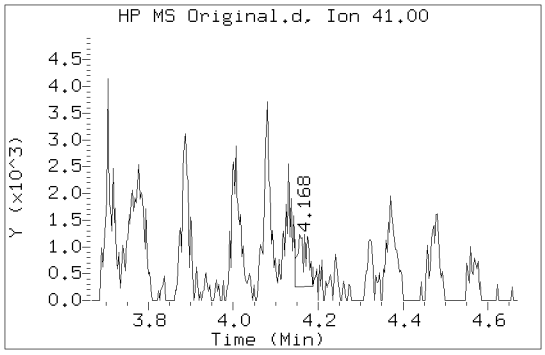
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HEIGHT
110560
01-Jul-2024
13:08



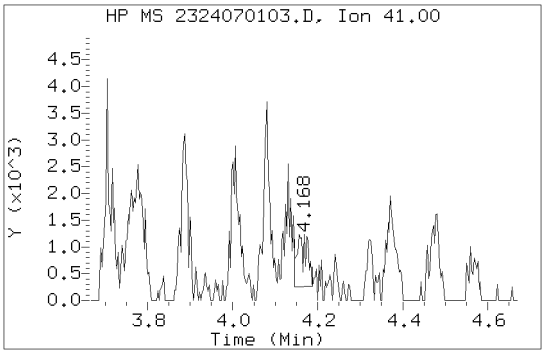
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1495
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1303
02-Jul-2024
11:59



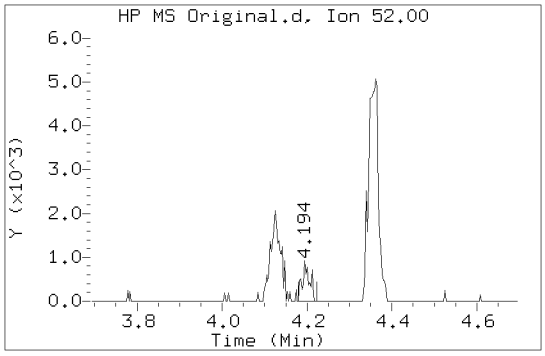
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1618
HEIGHT
976
01-Jul-2024
13:08



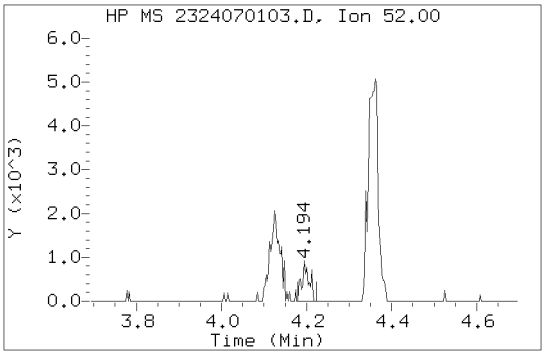
AFTER
MASS
41
AREA
1618
HEIGHT
976
02-Jul-2024
11:59



BEFORE
MASS
52
AREA
1063
HEIGHT
923
01-Jul-2024
13:08



AFTER
MASS
52
AREA
1063
HEIGHT
923
02-Jul-2024
11:59

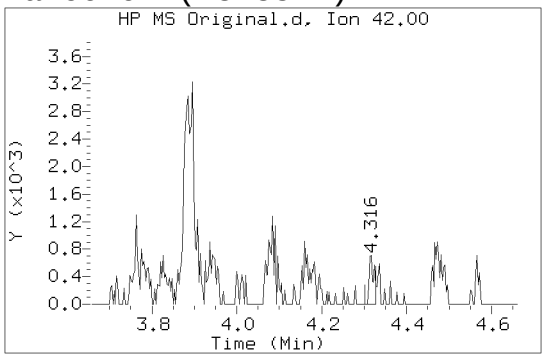


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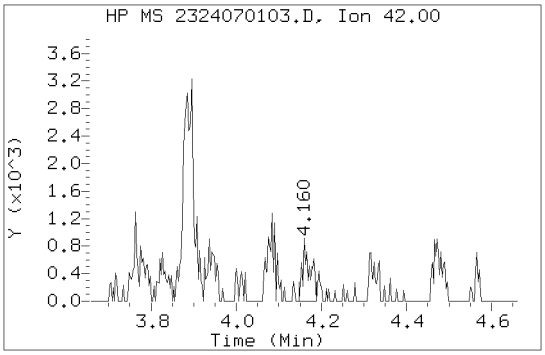
Isobutyl alcohol (78-83-1)

Reason Code: H

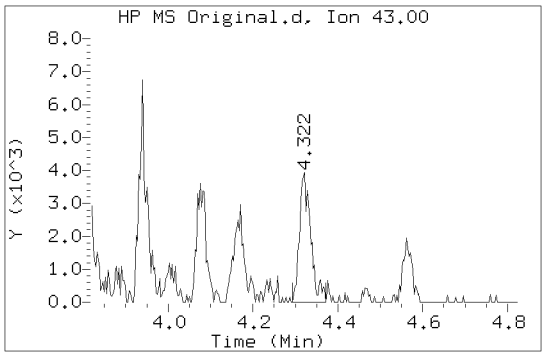
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548
HEIGHT
709
01-Jul-2024
13:08



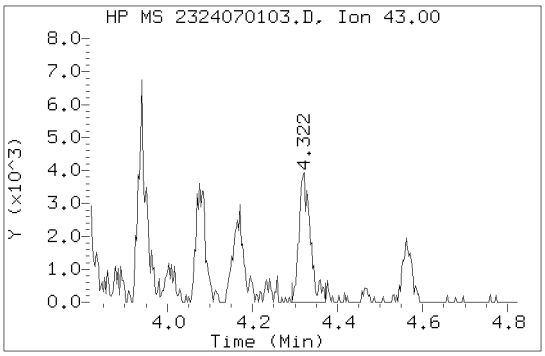
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1092
HEIGHT
912
02-Jul-2024
11:59



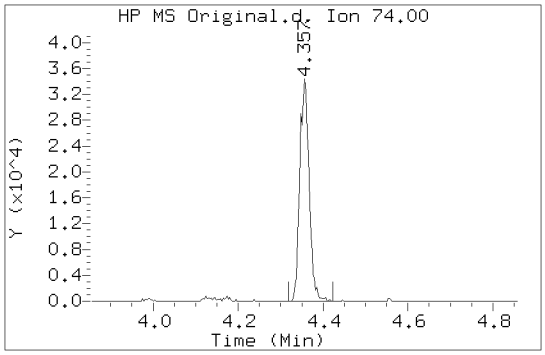
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43
AREA
7134
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3951
01-Jul-2024
13:08



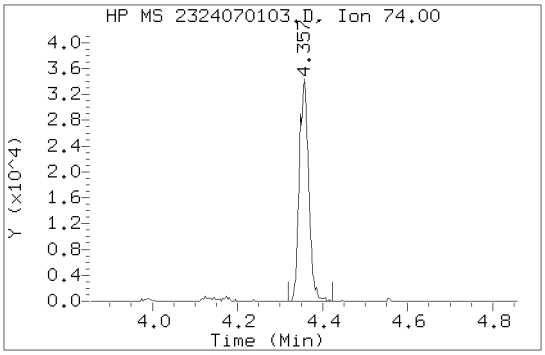
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MASS
43
AREA
7134
HEIGHT
3951
02-Jul-2024
11:59



BEFORE
MASS
74
AREA
51495
HEIGHT
34392
01-Jul-2024
13:08



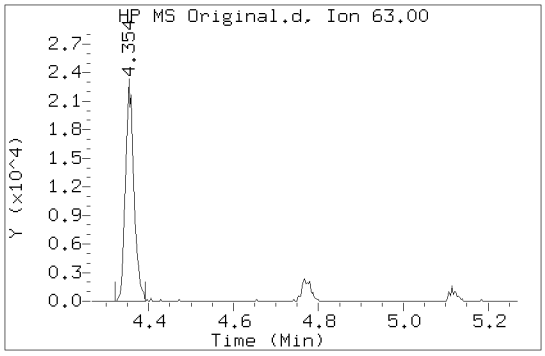
AFTER
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74
AREA
51495
HEIGHT
34392
02-Jul-2024
11:59



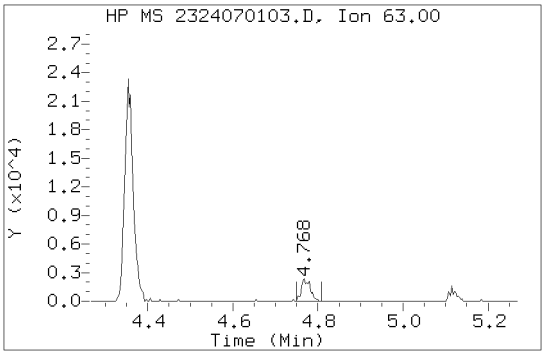
1,2-Dichloropropane (78-87-5)

Reason Code: H

BEFORE
MASS
63
AREA
32666
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23336
01-Jul-2024
13:08



AFTER
MASS
63
AREA
3368
HEIGHT
2338
02-Jul-2024
11:59

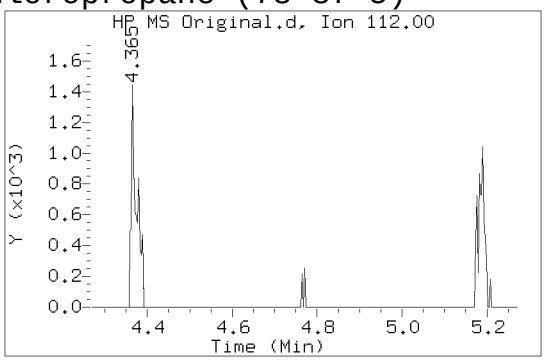


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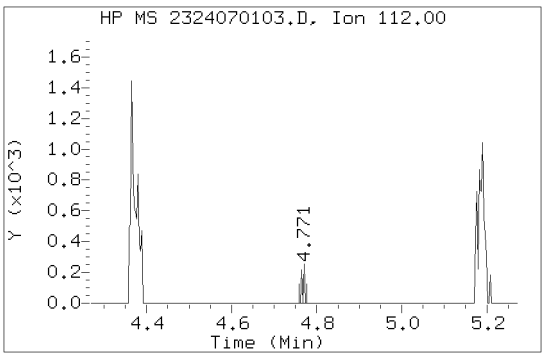
1,2-Dichloropropane (78-87-5)

Reason Code: H

BEFORE
MASS
112
AREA
1245
HEIGHT
1444
01-Jul-2024
13:08



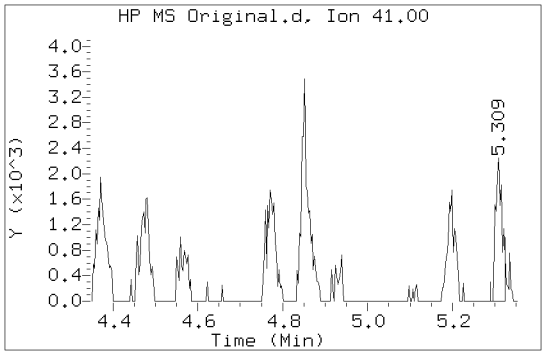
AFTER
MASS
112
AREA
82
HEIGHT
256
02-Jul-2024
11:59



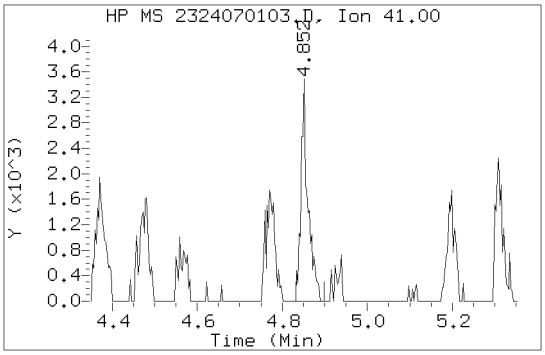
Methyl methacrylate (80-62-6)

Reason Code: H

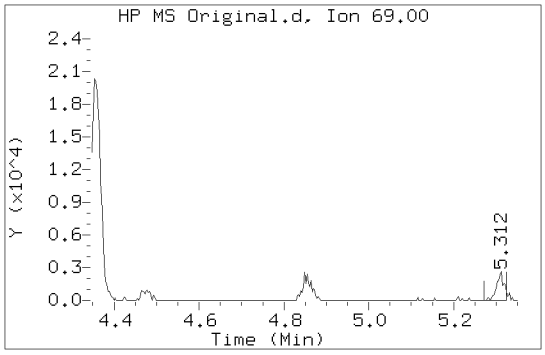
BEFORE
MASS
41
AREA
2414
HEIGHT
2253
01-Jul-2024
13:08



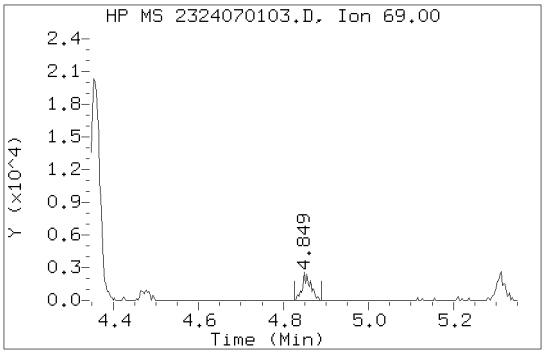
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3489
02-Jul-2024
11:59



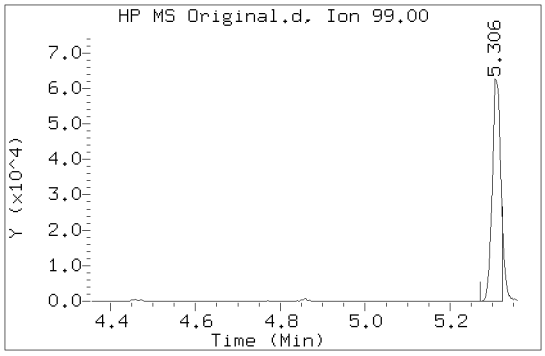
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AREA
3018
HEIGHT
2630
01-Jul-2024
13:08



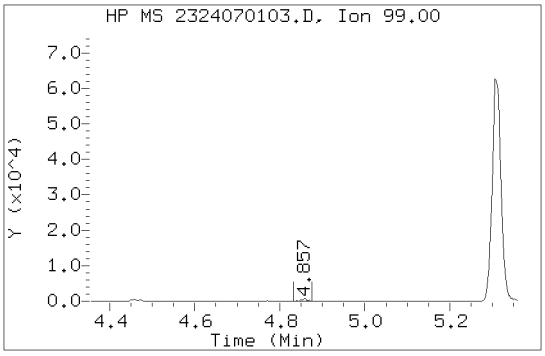
AFTER
MASS
69
AREA
3326
HEIGHT
2614
02-Jul-2024
11:59



BEFORE
MASS
99
AREA
86298
HEIGHT
62664
01-Jul-2024
13:08



AFTER
MASS
99
AREA
604
HEIGHT
742
02-Jul-2024
11:59

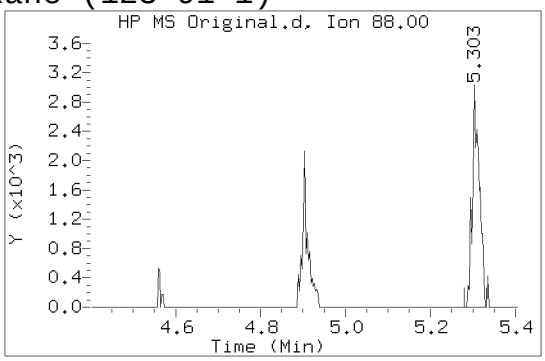


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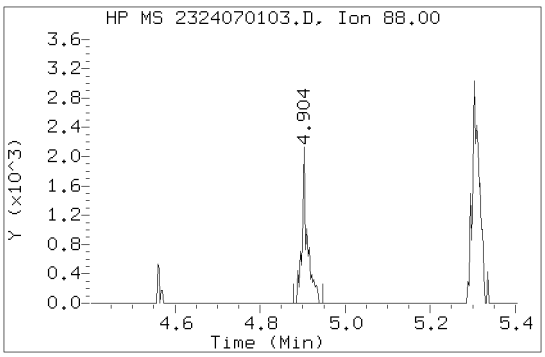
1,4-Dioxane (123-91-1)

Reason Code: H

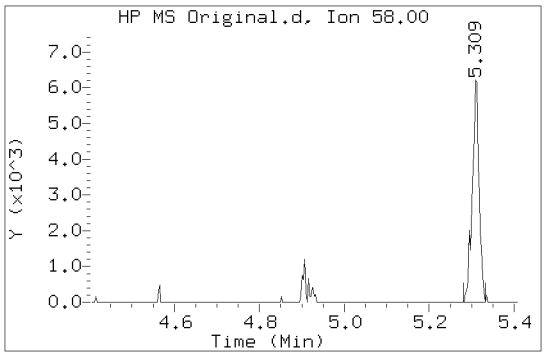
BEFORE
MASS
88
AREA
3476
HEIGHT
3034
01-Jul-2024
13:08



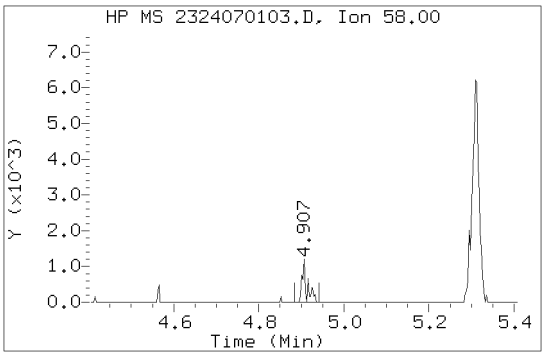
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AREA
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HEIGHT
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02-Jul-2024
11:59



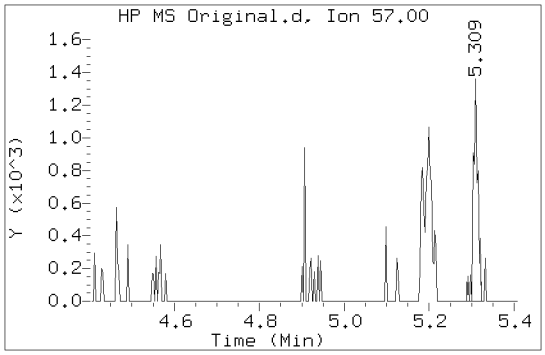
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AREA
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HEIGHT
6218
01-Jul-2024
13:08



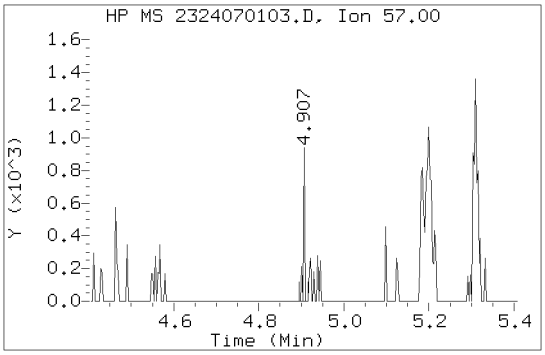
AFTER
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02-Jul-2024
11:59



BEFORE
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AREA
967
HEIGHT
1361
01-Jul-2024
13:08



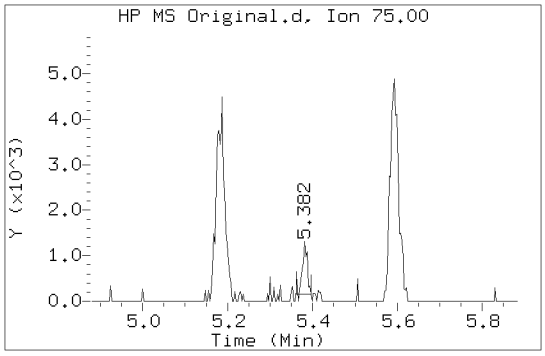
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AREA
200
HEIGHT
939
02-Jul-2024
11:59



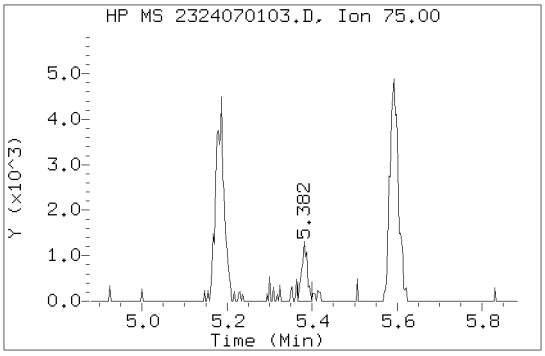
Chloroacetonitrile (107-14-2)

Reason Code: I

BEFORE
MASS
75
AREA
877
HEIGHT
1147
01-Jul-2024
13:08



AFTER
MASS
75
AREA
1118
HEIGHT
1308
02-Jul-2024
11:59

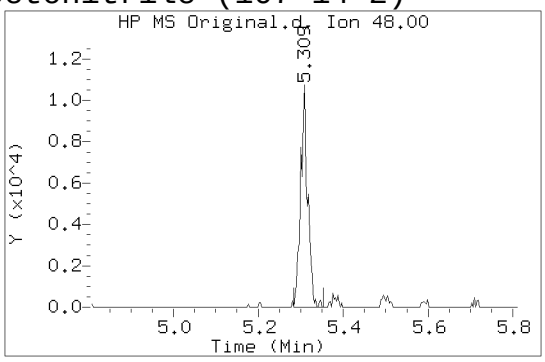


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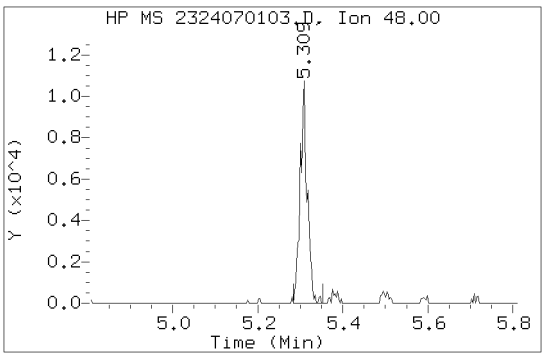
Chloroacetonitrile (107-14-2)

Reason Code: I

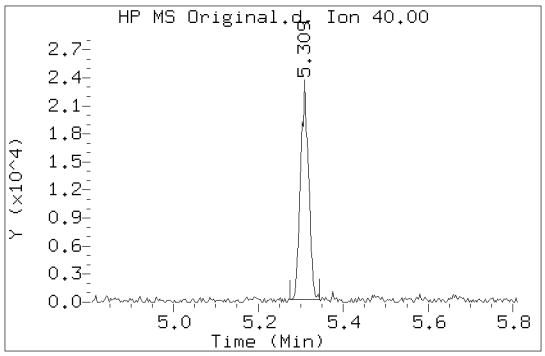
BEFORE
MASS
48
AREA
11989
HEIGHT
10741
01-Jul-2024
13:08



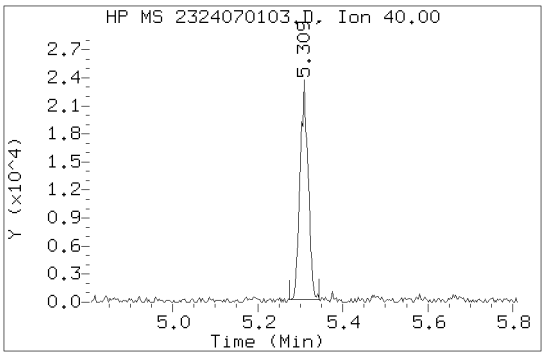
AFTER
MASS
48
AREA
11989
HEIGHT
10741
02-Jul-2024
11:59



BEFORE
MASS
40
AREA
30316
HEIGHT
23512
01-Jul-2024
13:08



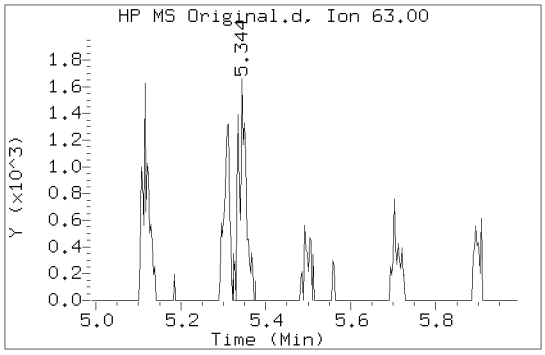
AFTER
MASS
40
AREA
30316
HEIGHT
23512
02-Jul-2024
11:59



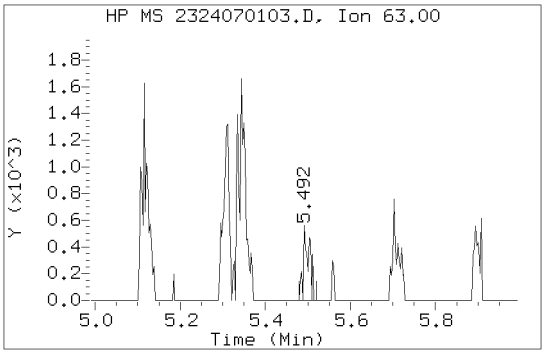
1,1-Dichloro-2-Propanone (513-88-2)

Reason Code: H

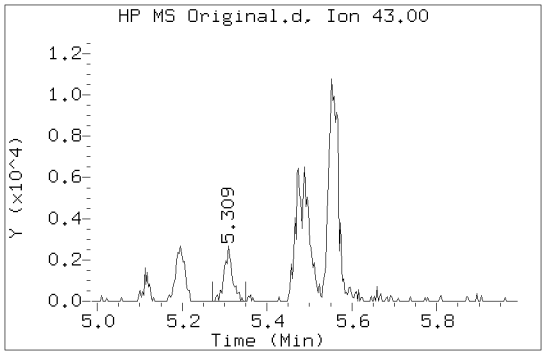
BEFORE
MASS
63
AREA
1969
HEIGHT
1660
01-Jul-2024
13:08



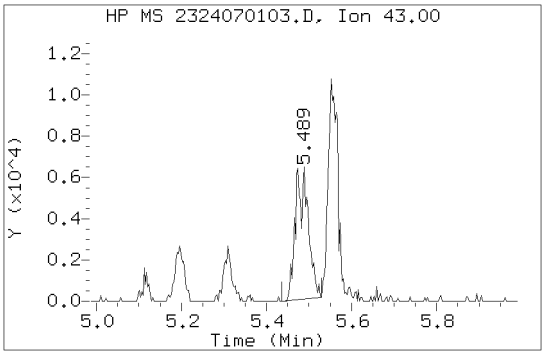
AFTER
MASS
63
AREA
548
HEIGHT
561
02-Jul-2024
11:59



BEFORE
MASS
43
AREA
3461
HEIGHT
2672
01-Jul-2024
13:08



AFTER
MASS
43
AREA
13365
HEIGHT
6423
02-Jul-2024
11:59

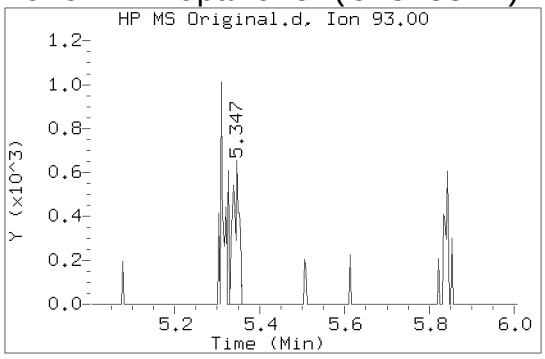


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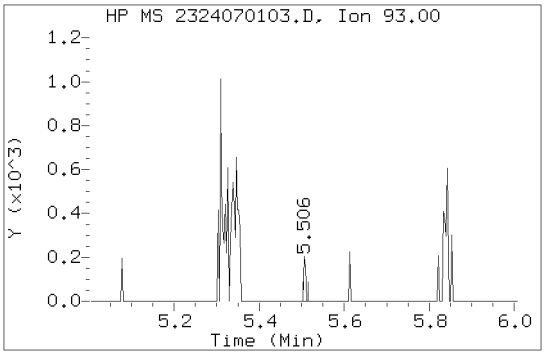
1,1-Dichloro-2-Propanone (513-88-2)

Reason Code: H

BEFORE
MASS
93
AREA
800
HEIGHT
657
01-Jul-2024
13:08



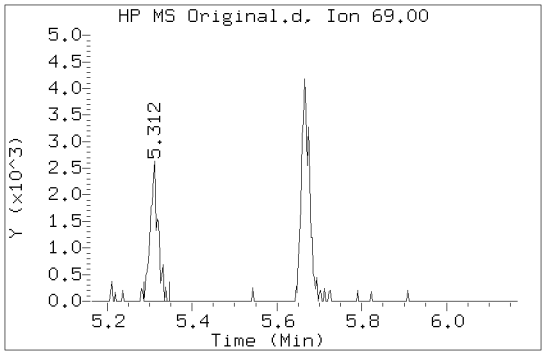
AFTER
MASS
93
AREA
62
HEIGHT
205
02-Jul-2024
11:59



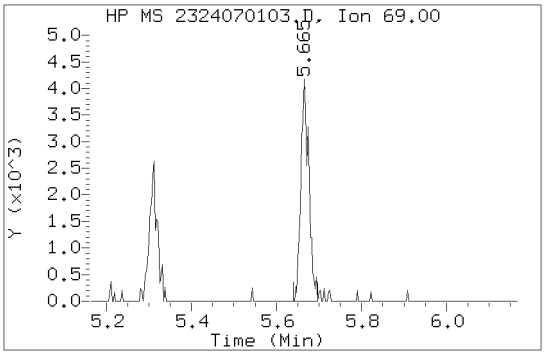
Ethyl Methacrylate (97-63-2)

Reason Code: H

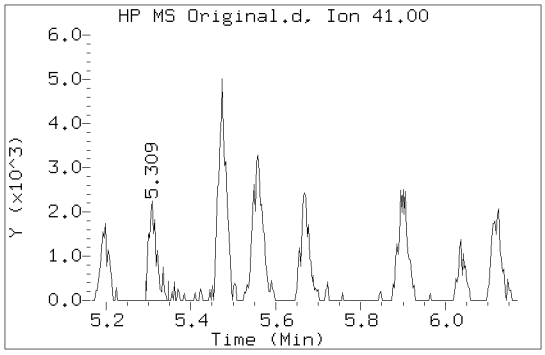
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AREA
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HEIGHT
2630
01-Jul-2024
13:08



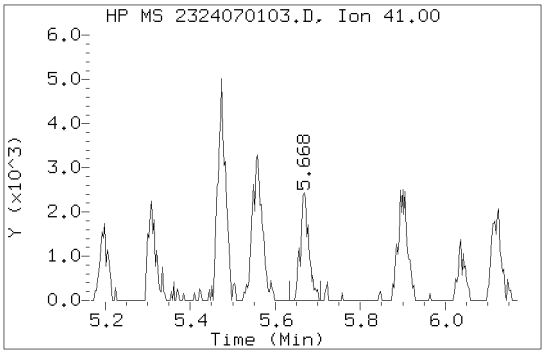
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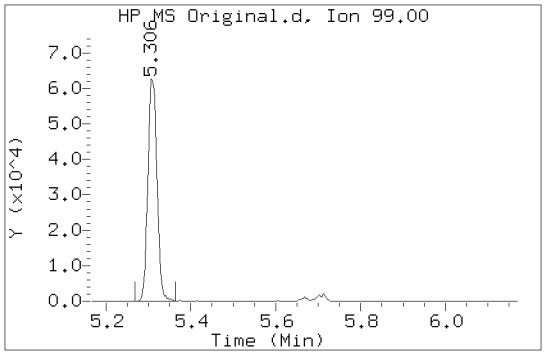
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2253
01-Jul-2024
13:08



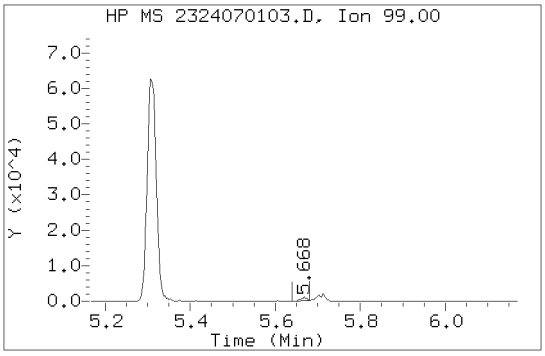
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MASS
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AREA
3313
HEIGHT
2441
02-Jul-2024
11:59



BEFORE
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99
AREA
92438
HEIGHT
62664
01-Jul-2024
13:08



AFTER
MASS
99
AREA
817
HEIGHT
1062
02-Jul-2024
11:59

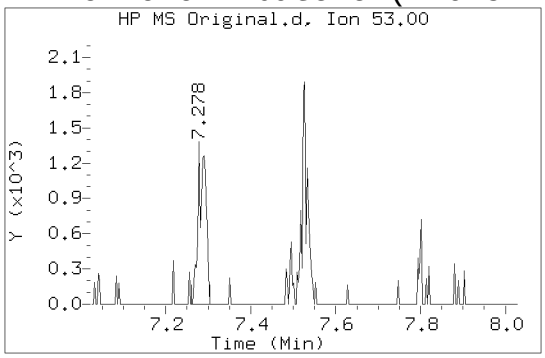


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LabSampID : VSTD00.5

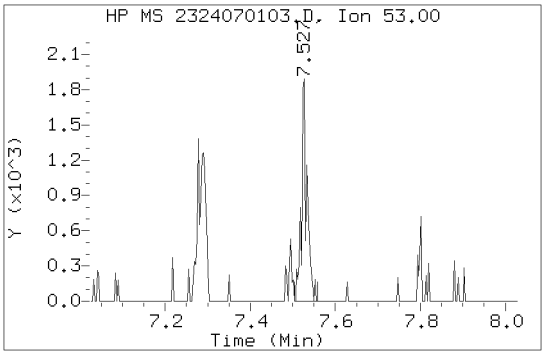
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: H

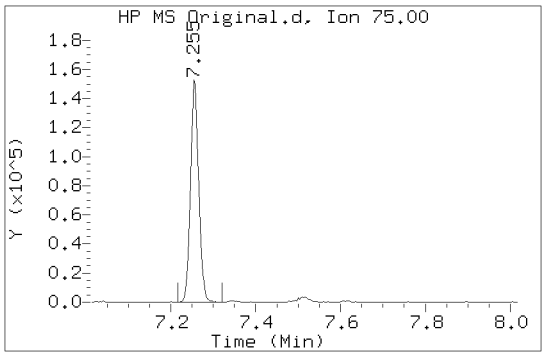
BEFORE
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53
AREA
1691
HEIGHT
1383
01-Jul-2024
13:08



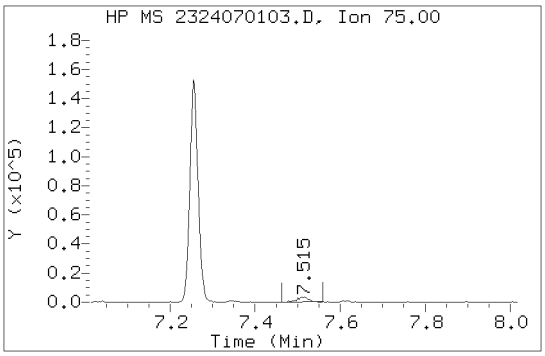
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AREA
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HEIGHT
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02-Jul-2024
11:59



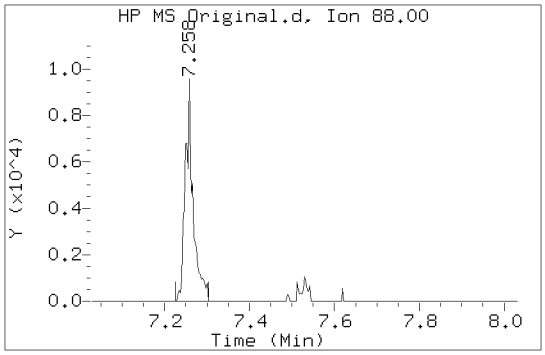
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MASS
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204221
HEIGHT
152832
01-Jul-2024
13:08



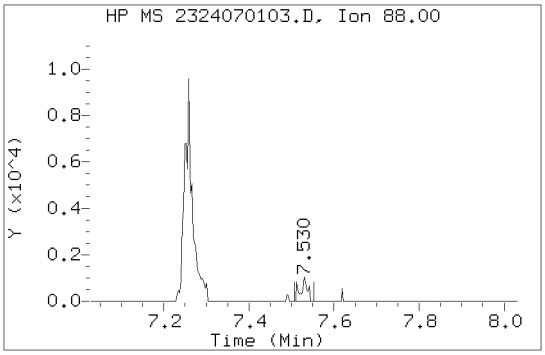
AFTER
MASS
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AREA
5832
HEIGHT
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02-Jul-2024
11:59



BEFORE
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12183
HEIGHT
9574
01-Jul-2024
13:08



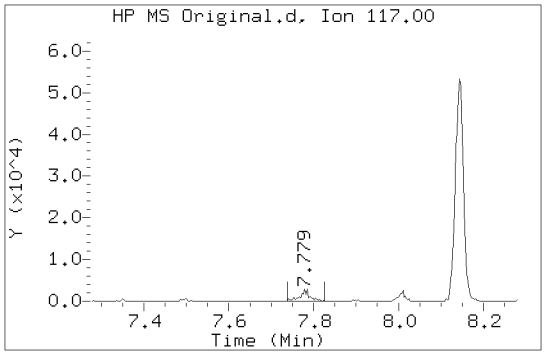
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MASS
88
AREA
1088
HEIGHT
1056
02-Jul-2024
11:59



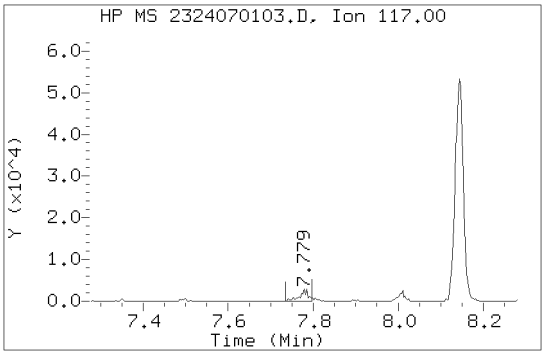
Pentachloroethane (76-01-7)

Reason Code: I

BEFORE
MASS
117
AREA
4275
HEIGHT
2936
01-Jul-2024
13:08



AFTER
MASS
117
AREA
3678
HEIGHT
2936
02-Jul-2024
11:59

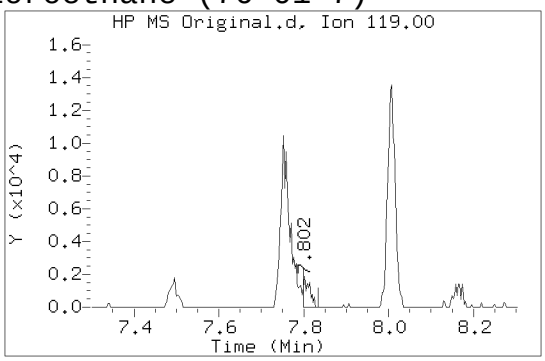


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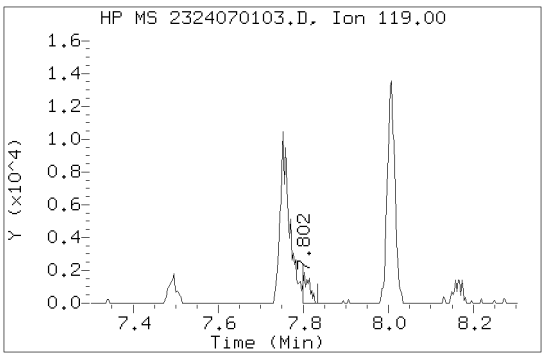
Pentachloroethane (76-01-7)

Reason Code: I

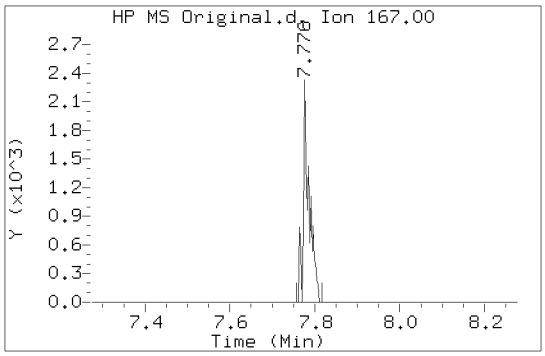
BEFORE
MASS
119
AREA
1804
HEIGHT
1867
01-Jul-2024
13:08



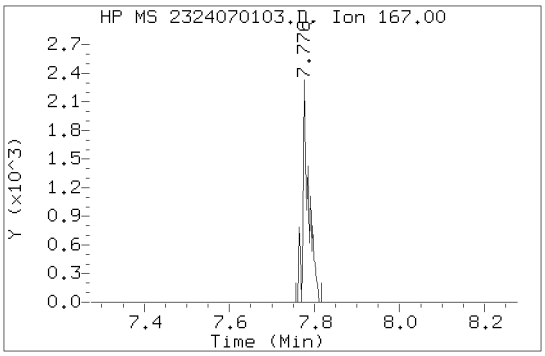
AFTER
MASS
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AREA
1804
HEIGHT
1867
02-Jul-2024
11:59



BEFORE
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167
AREA
2195
HEIGHT
2331
01-Jul-2024
13:08



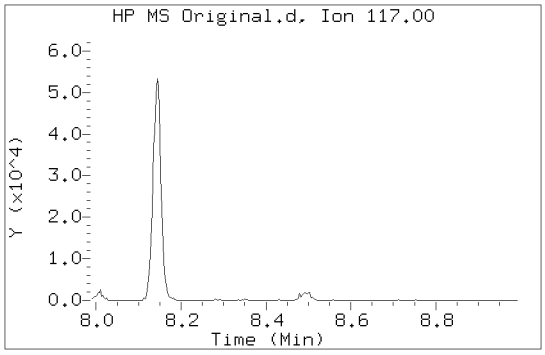
AFTER
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167
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2331
02-Jul-2024
11:59



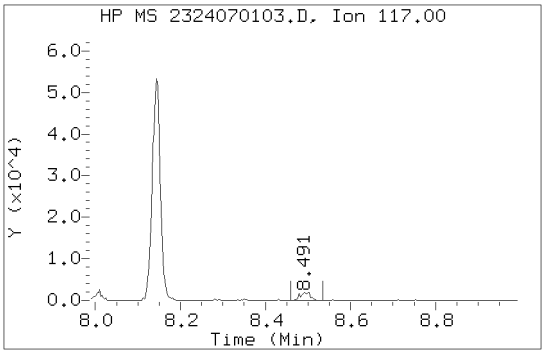
Hexachloroethane (67-72-1)

Reason Code: IH

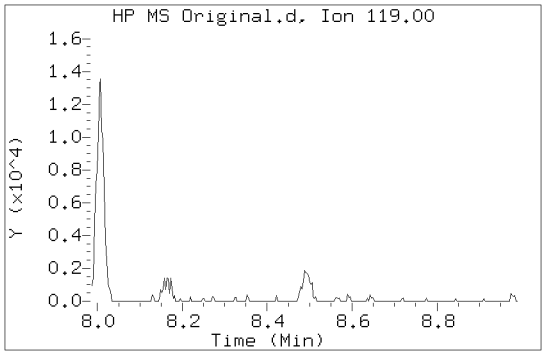
BEFORE
MASS
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AREA
0
HEIGHT
0
01-Jul-2024
13:08



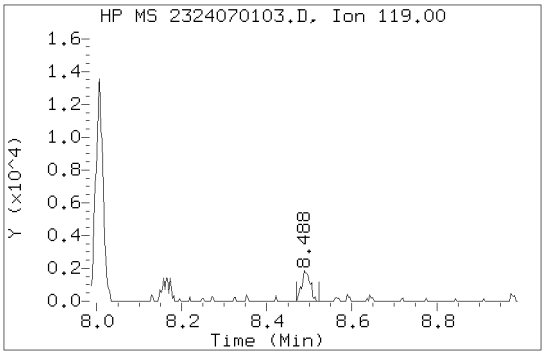
AFTER
MASS
117
AREA
3104
HEIGHT
1873
02-Jul-2024
11:59



BEFORE
MASS
119
AREA
0
HEIGHT
0
01-Jul-2024
13:08



AFTER
MASS
119
AREA
2517
HEIGHT
1880
02-Jul-2024
11:59



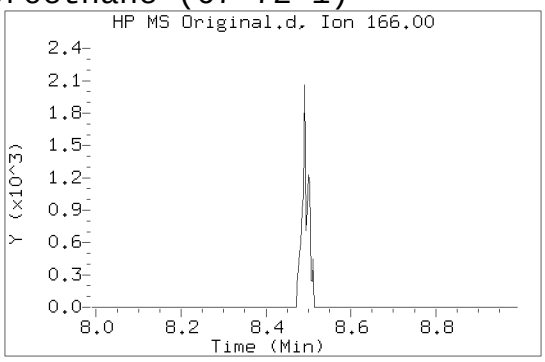
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Inj Date : 01-JUL-2024 10:30
InstruID : ms23.i
LabSampID : VSTD00.5

Hexachloroethane (67-72-1)

Reason Code: IH

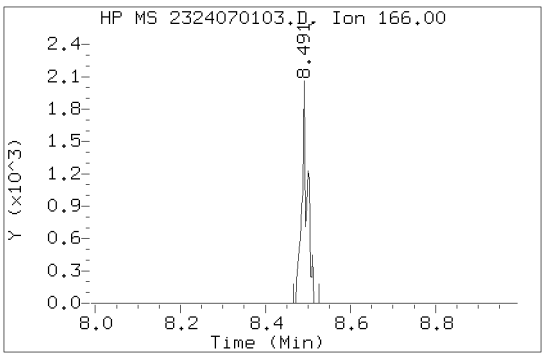
BEFORE

MASS
166
AREA
0
HEIGHT
0
01-Jul-2024
13:08



AFTER

MASS
166
AREA
1837
HEIGHT
2061
02-Jul-2024
11:59



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 11:59
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240701.b/2324070103
Inj Date: 01-JUL-2024 10:30
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2324070104.D Page 1
Report Date: 02-Jul-2024 11:59

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\2324070104.D
Lab Smp Id: 1234
Inj Date : 01-JUL-2024 10:50
Operator : TMP Inst ID: ms23.i
Smp Info : 1234;;1;1;1;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\23-8260b09.m
Meth Date : 02-Jul-2024 03:54 chs Quant Type: ISTD
Cal Date : 25-JUN-2024 12:00 Cal File: 2324062504.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.631	1.631	(0.375)	8887	1.00000	0.727921(a)	
2 Chloromethane	50	1.794	1.794	(0.412)	8301	1.00000	1.10757	
3 Vinyl Chloride	62	1.849	1.849	(0.424)	5315	1.00000	0.686338(a)	
4 Bromomethane	94	2.072	2.072	(0.476)	5721	1.00000	0.977117(a)	
5 Chloroethane	64	2.147	2.147	(0.493)	3120	1.00000	0.705571(a)	
6 Pentane	41	2.245	2.245	(0.515)	5975	1.00000	1.30122	
7 Trichlorofluoromethane	101	2.248	2.248	(0.516)	12135	1.00000	0.751035(a)	
8 Dichlorofluoromethane	67	2.283	2.283	(0.524)	17256	1.00000	1.11787	
9 Ethyl Ether	74	2.439	2.439	(0.560)	5066	1.00000	1.14263	
10 1,1-Dichloroethene	61	2.578	2.578	(0.592)	10833	1.00000	1.03825	
11 Freon 113	101	2.593	2.593	(0.595)	6796	1.00000	0.999737(a)	
12 Carbon Disulfide	76	2.619	2.619	(0.601)	21351	1.00000	1.09746	
13 Iodomethane	127	2.682	2.682	(0.616)	2687	1.00000	0.701626(a)	
14 Acrolein	56	2.761	2.761	(0.634)	7071	5.00000	5.41260	
15 Isopropyl Alcohol	45	2.821	2.821	(0.648)	4282	5.00000	6.91858	
16 3-Chloro-1-propene	41	2.850	2.850	(0.654)	7435	1.00000	1.01978	
17 Methylene Chloride	84	2.905	2.905	(0.667)	9088	1.00000	1.15572	
18 Acetone	58	2.929	2.929	(0.672)	4284	5.00000	5.61775(Q)	
19 Methyl acetate	74	2.992	2.992	(0.687)	2066	1.00000	1.30886	
20 trans-1,2-Dichloroethene	61	3.004	3.004	(0.690)	10227	1.00000	1.07436	
21 Hexane	57	3.044	3.044	(0.699)	16694	1.00000	1.29154	
22 Methyl t-Butyl Ether	73	3.050	3.050	(0.700)	29801	1.00000	1.12142	

Data File: 2324070104.D
Report Date: 02-Jul-2024 11:59

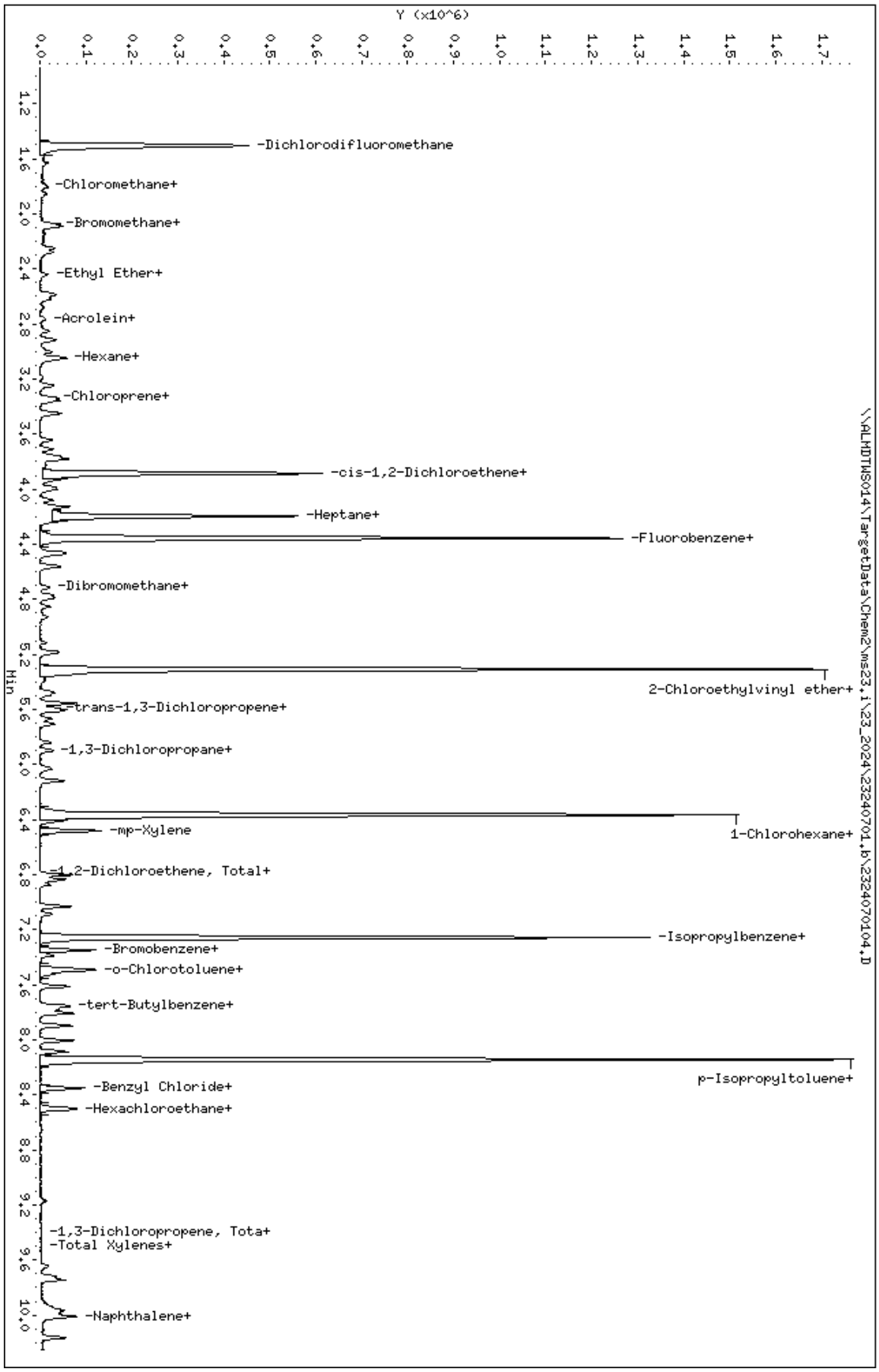
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	3.068	3.068	(0.704)	6242	5.00000	5.35999	
	24 Acetonitrile	41	3.192	3.192	(0.733)	4574	5.00000	5.45957	
	25 Diisopropyl ether	45	3.241	3.241	(0.744)	18812	1.00000	1.05060	
	26 Chloroprene	53	3.331	3.331	(0.765)	13371	1.00000	1.19616	
	27 1,1-Dichloroethane	63	3.351	3.351	(0.769)	13287	1.00000	1.05139	
	28 Acrylonitrile	53	3.360	3.360	(0.771)	15570	5.00000	4.86647(M)	MP
	29 Ethyl tert-butyl ether	59	3.450	3.450	(0.792)	25502	1.00000	1.07754	
	30 n-Propanol	41	3.450	3.450	(0.792)	5203	10.0000	11.6660(Q)	
	31 Vinyl Acetate	86	3.450	3.450	(0.792)	1723	1.00000	0.878892(aQ)	
	32 cis-1,2-Dichloroethene	61	3.641	3.641	(0.836)	11522	1.00000	1.12559	
	33 2,2-Dichloropropane	77	3.704	3.704	(0.850)	14677	1.00000	1.09437	
	34 Bromochloromethane	128	3.754	3.754	(0.862)	5140	1.00000	1.15551	
	35 Cyclohexane	84	3.780	3.780	(0.868)	11854	1.00000	1.09648	
	36 Chloroform	83	3.786	3.786	(0.869)	18029	1.00000	1.09623	
	37 Ethyl Acetate	43	3.817	3.817	(0.876)	7517	1.00000	0.974710(a)	
	38 Methyl acrylate	55	3.835	3.835	(0.880)	6880	1.00000	0.976540(a)	
	39 Carbon Tetrachloride	117	3.896	3.896	(0.894)	13420	1.00000	1.00501(M)	MP
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	250121	30.0000	29.7114	
	40 Tetrahydrofuran	42	3.884	3.884	(0.892)	9533	5.00000	4.88560	
	42 1,1,1-Trichloroethane	97	3.922	3.922	(0.900)	15555	1.00000	1.02213	
	43 2-Butanone	72	3.936	3.936	(0.904)	6069	5.00000	5.42197(QM)	I
	44 1,1-Dichloropropene	75	3.991	3.991	(0.916)	11458	1.00000	1.04170	
	45 1-Chlorobutane	41	4.011	4.011	(0.921)	8020	1.00000	1.12250	
	46 Heptane	71	4.078	4.078	(0.936)	5858	1.00000	1.19769(Q)	
	47 Benzene	78	4.127	4.127	(0.947)	30818	1.00000	1.08415	
	48 Propionitrile	54	4.113	4.113	(0.944)	6542	5.00000	5.43538	
	49 Methacrylonitrile	67	4.136	4.136	(0.949)	3574	1.00000	1.05357(QM)	H
	50 tert-Amyl methyl ether	73	4.165	4.165	(0.956)	25408	1.00000	1.06147	
	54 Isobutyl alcohol	42	4.168	4.168	(0.957)	2485	10.0000	11.1787(QM)	H
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	347095	30.0000	29.2617	
	52 1,2-Dichloroethane	62	4.234	4.234	(0.972)	15229	1.00000	1.07572	
	53 tert-Amyl Alcohol	59	4.240	4.240	(0.973)	4795	5.00000	5.59374	
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	856685	30.0000		
	56 Diisobutylene	57	4.359	4.359	(1.001)	41036	1.00000	1.75466(Q)	
	57 Trichloroethene	95	4.457	4.457	(1.023)	9721	1.00000	1.15488	
	58 Methyl cyclohexane	83	4.469	4.469	(0.702)	13350	1.00000	1.15920	
	59 tert-Amyl Ethylether	59	4.559	4.559	(1.047)	19254	1.00000	1.08719	
	60 Dibromomethane	93	4.709	4.709	(1.081)	5996	1.00000	1.06859	
	61 1,2-Dichloropropane	63	4.776	4.776	(1.096)	6917	1.00000	1.09735(M)	H
	62 Bromodichloromethane	83	4.790	4.790	(1.100)	13045	1.00000	1.06987	
	63 Methyl methacrylate	41	4.857	4.857	(1.115)	7232	1.00000	1.02596(QM)	H
	64 1,4-Dioxane	88	4.909	4.909	(1.127)	3287	25.0000	26.1464	
	65 2-Chloroethylvinyl ether	63	5.117	5.117	(1.175)	3978	1.00000	0.967253(a)	
	66 cis-1,3-Dichloropropene	75	5.181	5.181	(0.814)	13814	1.00000	1.07451	
	67 Octane	85	5.198	5.198	(0.817)	4015	1.00000	0.943316(a)	
$	68 Toluene-d8	98	5.309	5.309	(0.834)	904312	30.0000	30.0286	
	69 Toluene	92	5.346	5.346	(0.840)	22832	1.00000	1.16791	
	70 Chloroacetonitrile	75	5.381	5.381	(0.846)	2857	5.00000	5.24691(Q)	
	71 2-Nitropropane	41	5.471	5.471	(0.860)	15142	5.00000	4.87258(Q)	
	72 1,1-Dichloro-2-Propanone	63	5.497	5.497	(0.864)	1174	5.00000	4.41112(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.555	5.555	(0.873)	35624	5.00000	5.19755	
	75 trans-1,3-Dichloropropene	75	5.589	5.589	(0.879)	14127	1.00000	1.04110	
	74 Tetrachloroethene	164	5.601	5.601	(0.880)	8444	1.00000	1.09398	
	76 Ethyl Methacrylate	69	5.670	5.670	(0.891)	10419	1.00000	0.968791(aQ)	

Data File: 2324070104.D
Report Date: 02-Jul-2024 11:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	5.705	5.705	(0.897)	6679	1.00000	1.12515	
	78 Chlorodibromomethane	129	5.838	5.838	(0.918)	9762	1.00000	0.960595(a)	
	79 1,3-Dichloropropane	76	5.893	5.893	(0.926)	13389	1.00000	1.05989	
	80 1,2-Dibromoethane	107	6.021	6.021	(0.946)	9539	1.00000	1.13612	
	81 2-Hexanone	43	6.119	6.119	(0.962)	24281	5.00000	4.90572	
	82 1-Chlorohexane	91	6.339	6.339	(0.996)	11646	1.00000	1.18719	
*	83 Chlorobenzene-d5	82	6.362	6.362	(1.000)	385811	30.0000		
	84 Chlorobenzene	112	6.380	6.380	(1.003)	25536	1.00000	1.14924	
	85 Ethylbenzene	106	6.386	6.386	(1.004)	12589	1.00000	1.09592	
	86 1,1,1,2-Tetrachloroethane	131	6.412	6.412	(1.008)	9340	1.00000	1.03716	
	87 mp-Xylene	106	6.481	6.481	(1.019)	30677	2.00000	2.18176	
	88 o-Xylene	106	6.803	6.803	(1.069)	14769	1.00000	1.06260(Q)	
	89 Styrene	104	6.840	6.840	(0.840)	23856	1.00000	1.02176	
	90 Bromoform	173	6.875	6.875	(0.844)	7515	1.00000	0.980911(a)	
	91 Isopropylbenzene	105	7.028	7.028	(0.863)	38162	1.00000	1.09752	
M	100 1,2-Dichloroethene, Total	61				21749	2.00000	2.19995	
$	92 4-Bromofluorobenzene	174	7.254	7.254	(0.891)	314634	30.0000	27.8893	
	93 Bromobenzene	156	7.353	7.353	(0.903)	10567	1.00000	1.02358	
	94 n-Propylbenzene	120	7.350	7.350	(0.903)	11030	1.00000	1.07999	
	95 1,1,2,2-Tetrachloroethane	83	7.390	7.390	(0.908)	9855	1.00000	0.984606(a)	
	96 o-Chlorotoluene	91	7.480	7.480	(0.919)	33203	1.00000	1.08192	
	97 1,3,5-Trimethylbenzene	105	7.497	7.497	(0.921)	33082	1.00000	1.02760	
	98 1,2,3-Trichloropropane	110	7.509	7.509	(0.922)	4347	1.00000	1.02586	
	99 trans-1,4-Dichloro-2-butene	53	7.526	7.526	(0.924)	3134	1.00000	0.889201(aQ)	
	101 p-Chlorotoluene	91	7.613	7.613	(0.935)	30101	1.00000	1.08028	
	102 tert-Butylbenzene	134	7.755	7.755	(0.952)	8000	1.00000	1.05802	
	103 Pentachloroethane	117	7.787	7.787	(0.956)	7045	1.00000	1.02691(QM)	I
	104 1,2,4-Trimethylbenzene	105	7.807	7.807	(0.959)	35656	1.00000	1.07554	
	105 sec-Butylbenzene	105	7.900	7.900	(0.970)	41545	1.00000	1.09636	
	106 p-Isopropyltoluene	134	8.007	8.007	(0.983)	9182	1.00000	1.03741	
	107 1,3-Dichlorobenzene	146	8.091	8.091	(0.994)	20897	1.00000	1.09733	
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	407780	30.0000		
	109 1,4-Dichlorobenzene	146	8.158	8.158	(1.002)	20809	1.00000	1.07687(Q)	
	110 Benzyl Chloride	126	8.340	8.340	(1.024)	3599	1.00000	0.844762(aQ)	
	111 n-Butylbenzene	134	8.352	8.352	(1.026)	8031	1.00000	1.01304	
	112 Hexachloroethane	117	8.493	8.493	(1.043)	7294	1.00000	1.11059	
	113 1,2-Dichlorobenzene	146	8.508	8.508	(1.045)	20378	1.00000	1.09534	
	114 1,2-Dibromo-3-chloropropane	75	9.168	9.168	(1.126)	2894	1.00000	1.04045	
	115 Nitrobenzene	77	9.634	9.634	(1.183)	7152	10.0000	24.2798	
	116 Hexachlorobutadiene	225	9.715	9.715	(1.193)	5501	1.00000	1.01684	
M	120 1,3-Dichloropropene, Total	75				27941	2.00000	2.11561	
	117 1,2,4-Trichlorobenzene	180	9.747	9.747	(1.197)	11951	1.00000	1.00444	
M	121 Total Xylenes	106				45446	3.00000	3.24437	
	118 Naphthalene	128	10.011	10.011	(1.229)	33069	1.00000	0.986068(a)	
	119 1,2,3-Trichlorobenzene	180	10.161	10.161	(1.248)	13282	1.00000	1.07202(H)	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



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Client ID:
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Column phase: DB-VRX

Instrument: ms23.i
Operator: THP
Column diameter: 0.25

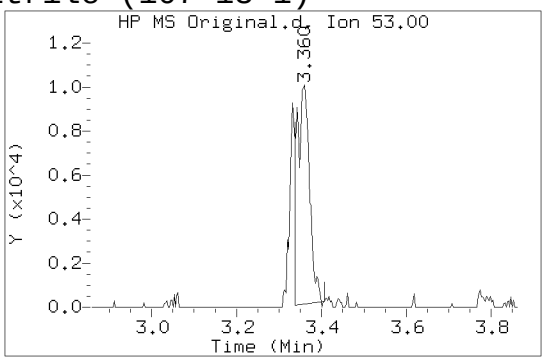
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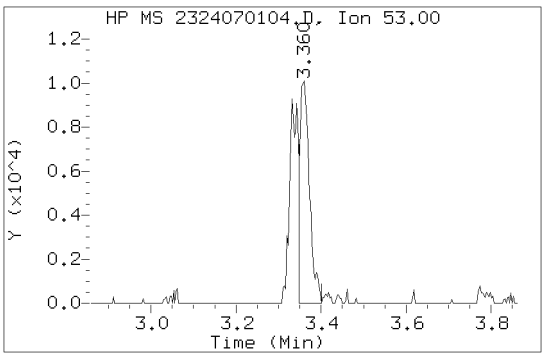
Acrylonitrile (107-13-1)

Reason Code: MP

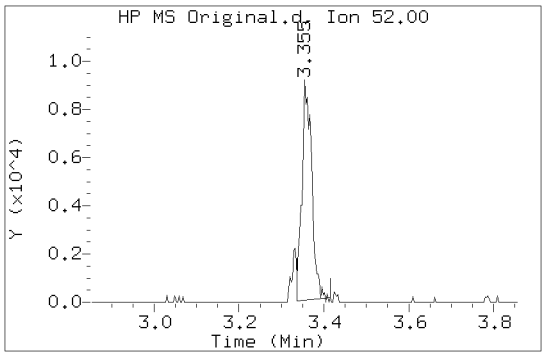
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01-Jul-2024
13:09



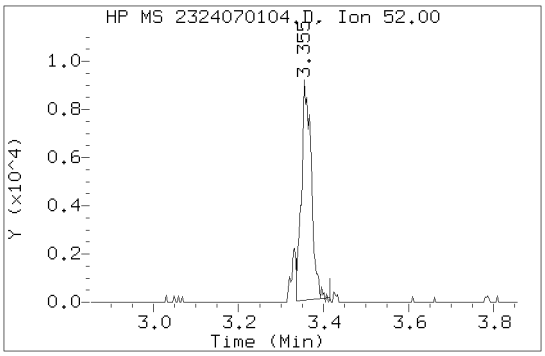
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11:59



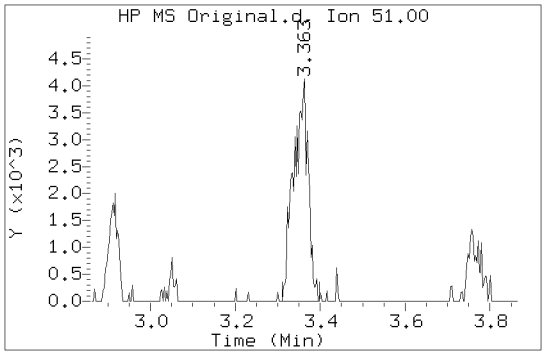
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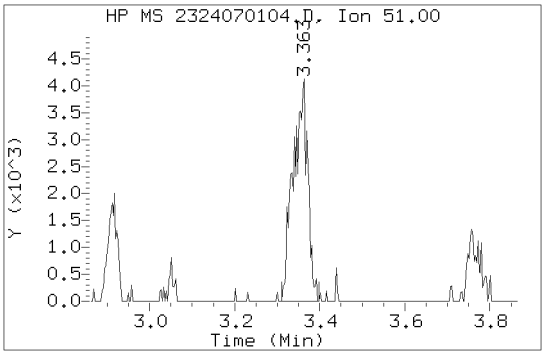
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01-Jul-2024
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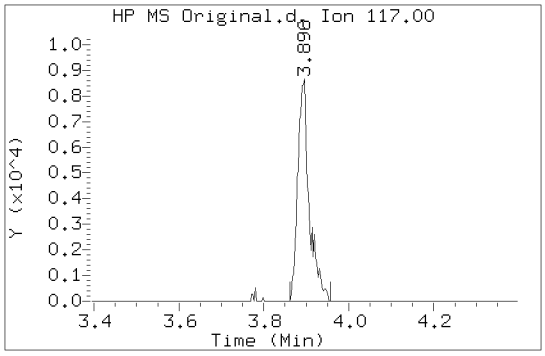
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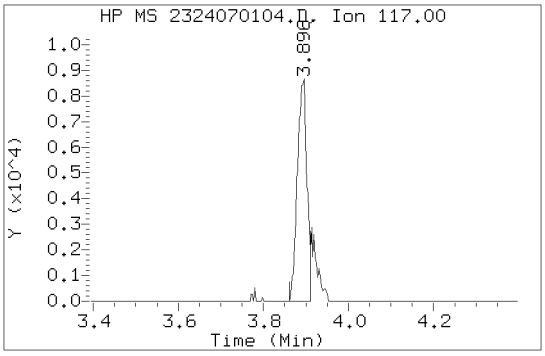
Carbon Tetrachloride (56-23-5)

Reason Code: MP

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13:09



AFTER
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HEIGHT
8665
02-Jul-2024
11:59

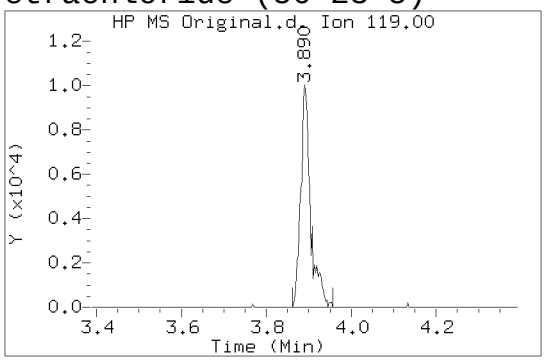


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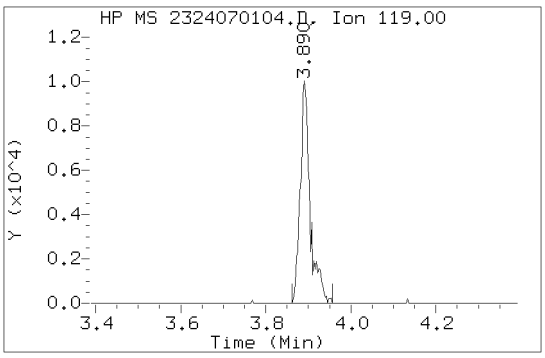
Carbon Tetrachloride (56-23-5)

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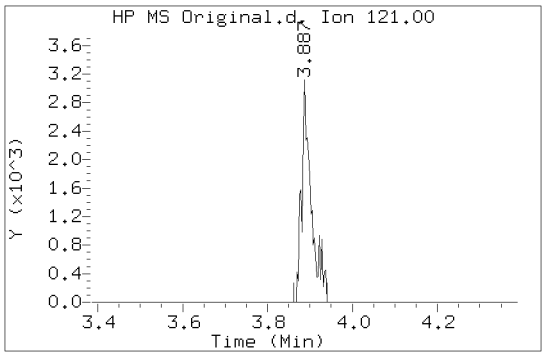
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01-Jul-2024
13:09



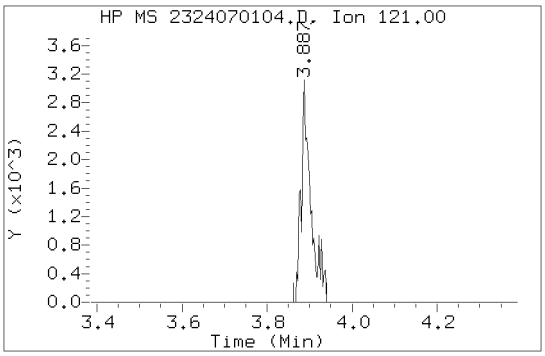
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AREA
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01-Jul-2024
13:09



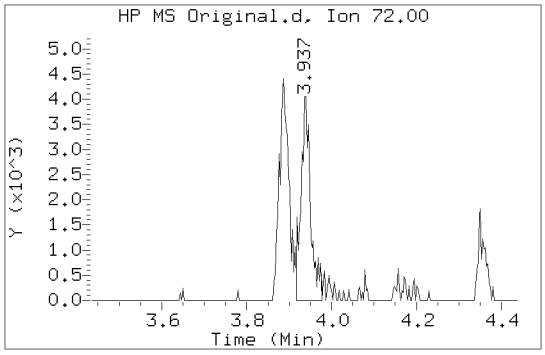
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HEIGHT
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11:59



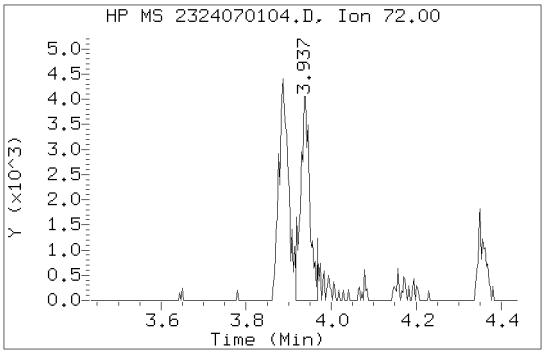
2-Butanone (78-93-3)

Reason Code: I

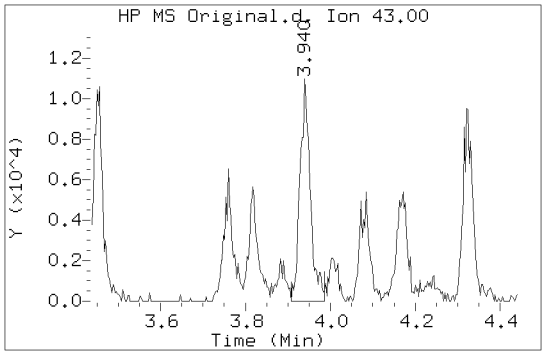
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01-Jul-2024
13:09



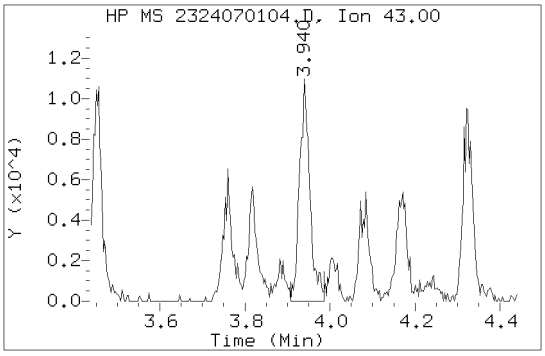
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11:59



BEFORE
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01-Jul-2024
13:09



AFTER
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02-Jul-2024
11:59

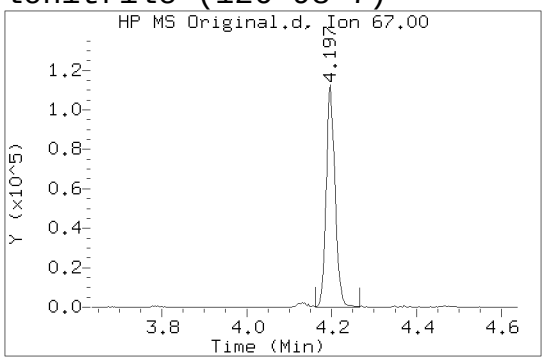


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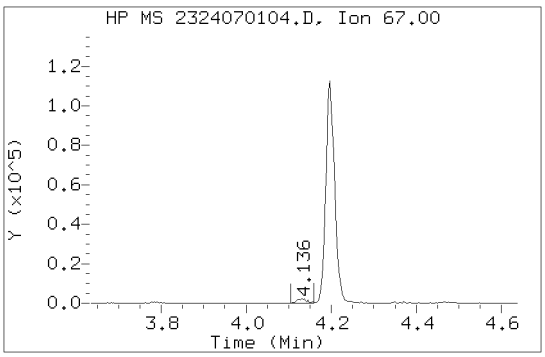
Methacrylonitrile (126-98-7)

Reason Code: H

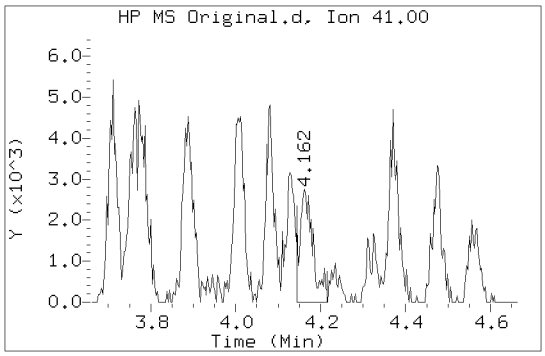
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01-Jul-2024
13:09



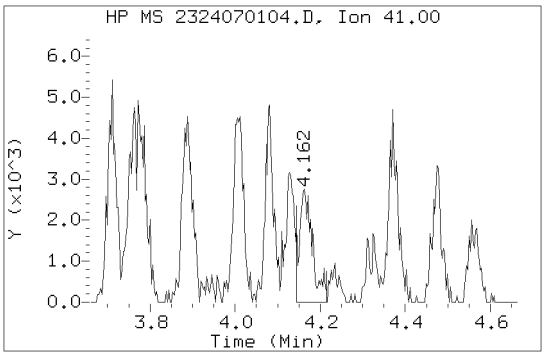
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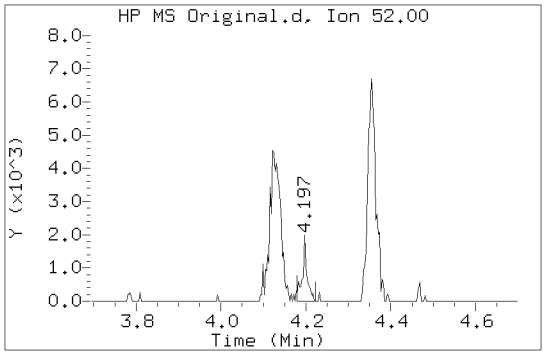
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13:09



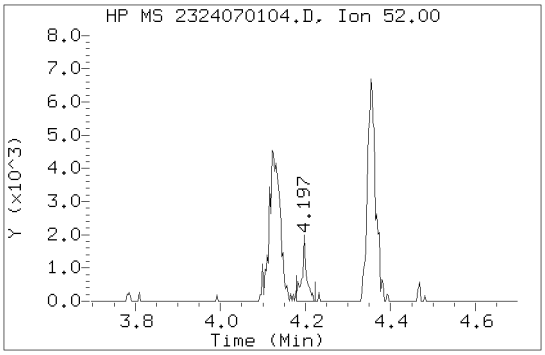
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BEFORE
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01-Jul-2024
13:09



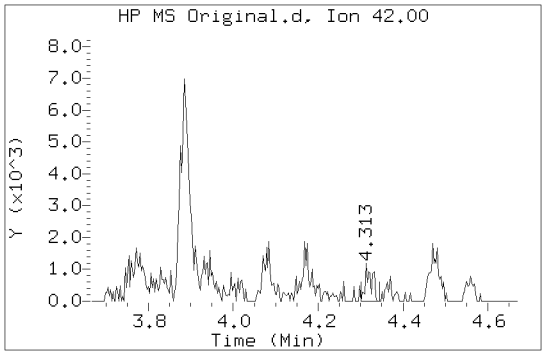
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02-Jul-2024
11:59



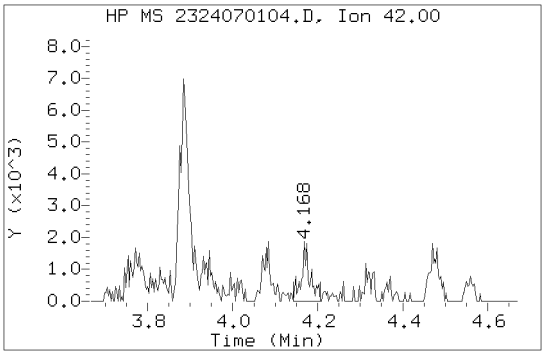
Isobutyl alcohol (78-83-1)

Reason Code: H

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AFTER
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02-Jul-2024
11:59

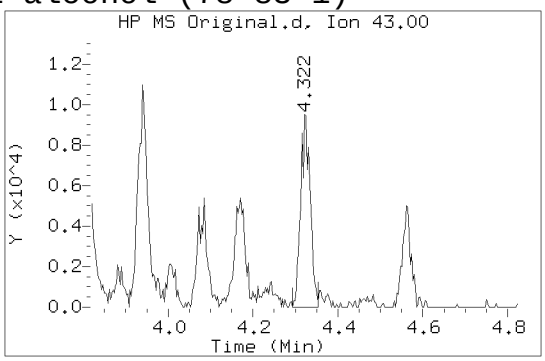


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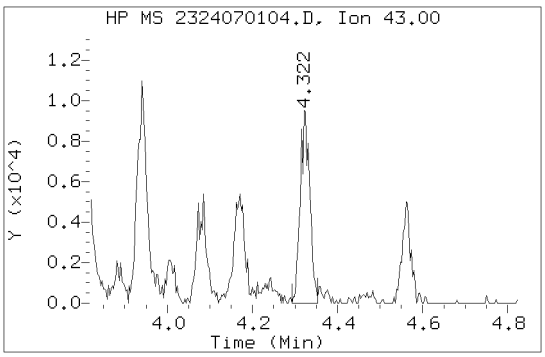
Isobutyl alcohol (78-83-1)

Reason Code: H

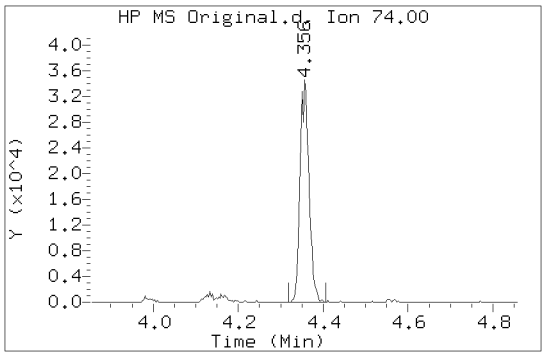
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01-Jul-2024
13:09



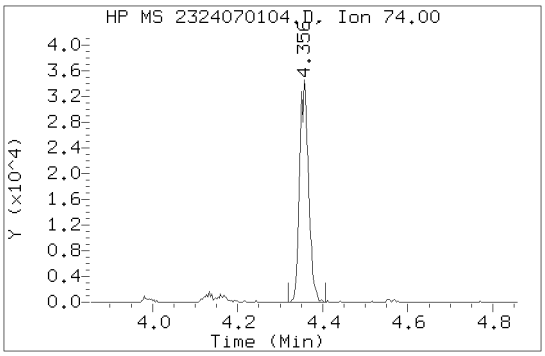
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BEFORE
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01-Jul-2024
13:09



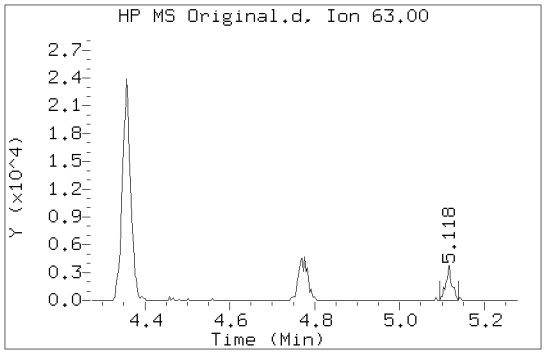
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02-Jul-2024
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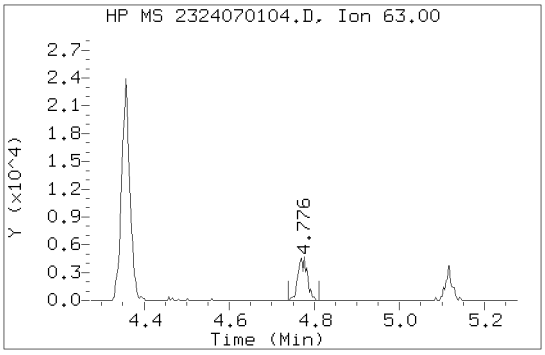
1,2-Dichloropropane (78-87-5)

Reason Code: H

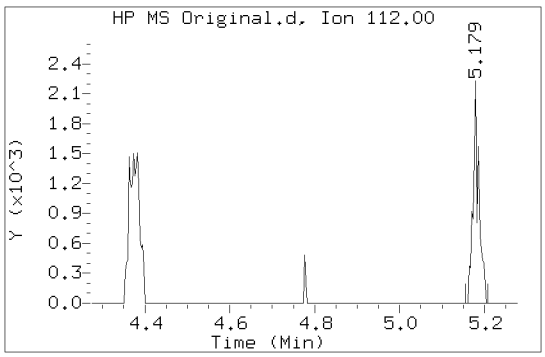
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01-Jul-2024
13:09



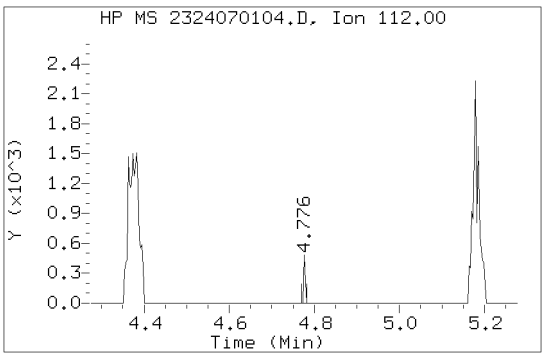
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BEFORE
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13:09



AFTER
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AREA
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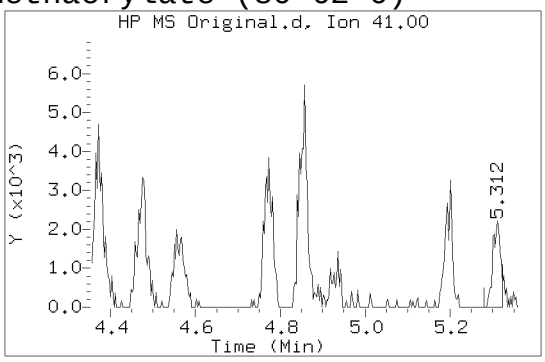


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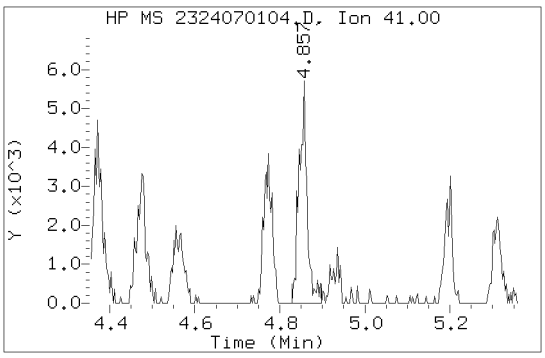
Methyl methacrylate (80-62-6)

Reason Code: H

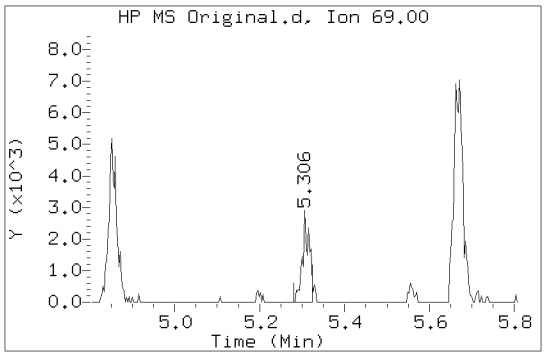
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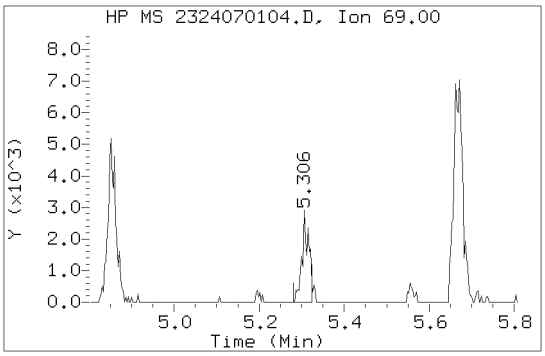
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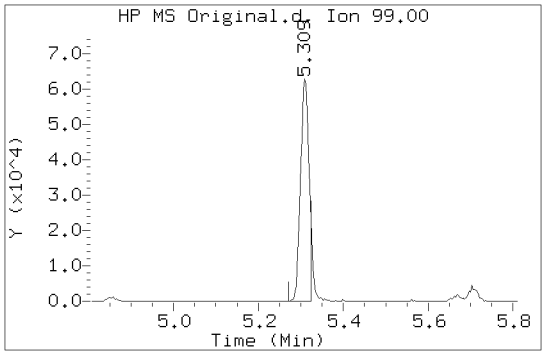
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HEIGHT
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01-Jul-2024
13:09



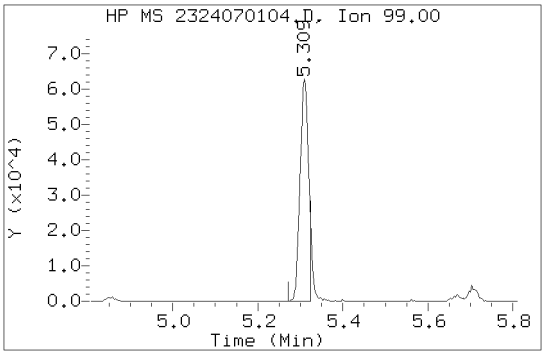
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69
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BEFORE
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01-Jul-2024
13:09



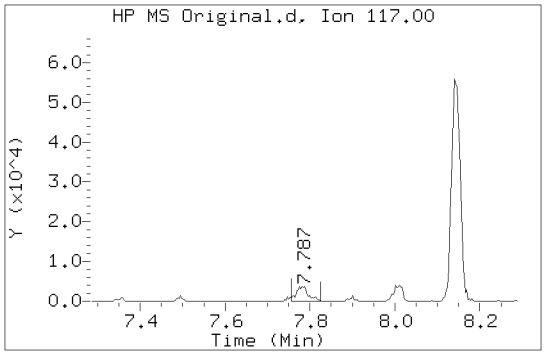
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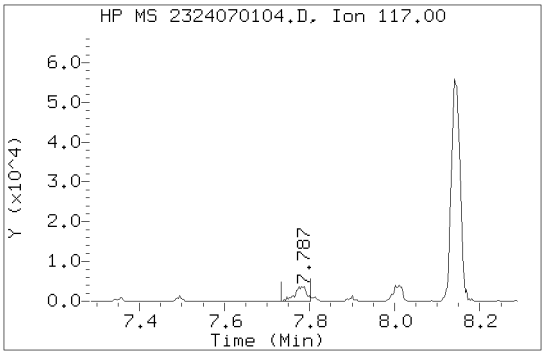
Pentachloroethane (76-01-7)

Reason Code: I

BEFORE
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13:09



AFTER
MASS
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AREA
7045
HEIGHT
3664
02-Jul-2024
11:59



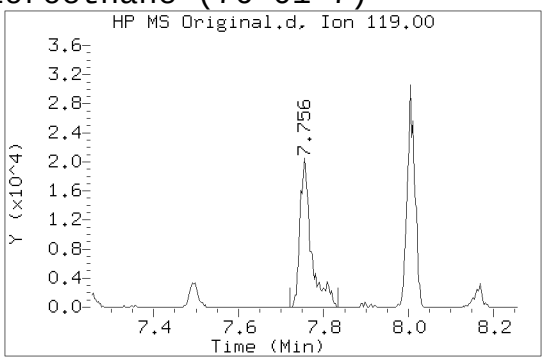
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InstruID : ms23.i
LabSampID : 1234

Pentachloroethane (76-01-7)

Reason Code: I

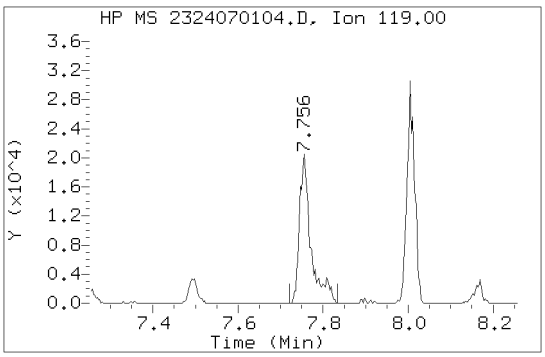
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01-Jul-2024
13:09



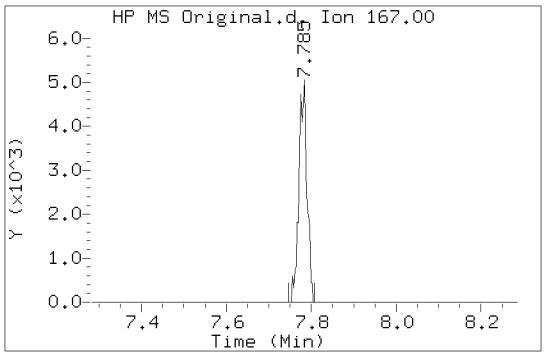
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02-Jul-2024
11:59



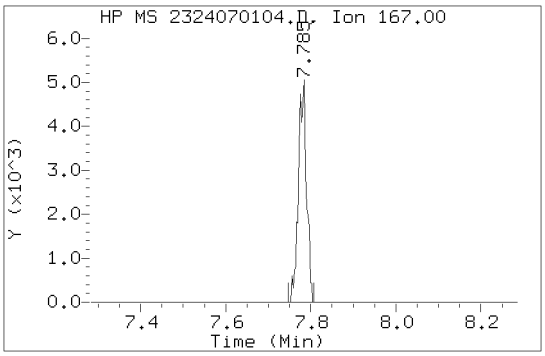
BEFORE

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01-Jul-2024
13:09



AFTER

MASS
167
AREA
6539
HEIGHT
5056
02-Jul-2024
11:59



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 11:59
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240701.b/232407010
Inj Date: 01-JUL-2024 10:50
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2324070105.D Page 1
Report Date: 02-Jul-2024 12:00

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\2324070105.D
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Inj Date : 01-JUL-2024 11:10
Operator : TMP Inst ID: ms23.i
Smp Info : 1235;;1;1;2;;;
Misc Info :
Comment :
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Meth Date : 02-Jul-2024 03:54 chs Quant Type: ISTD
Cal Date : 25-JUN-2024 12:00 Cal File: 2324062504.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.632	1.632	(0.375)	55467	5.00000	4.61505	
2	Chloromethane	50	1.788	1.788	(0.411)	37061	5.00000	5.02311	
3	Vinyl Chloride	62	1.849	1.849	(0.424)	34357	5.00000	4.50674	
4	Bromomethane	94	2.072	2.072	(0.476)	29347	5.00000	5.09156	
5	Chloroethane	64	2.147	2.147	(0.493)	21418	5.00000	4.92014	
6	Pentane	41	2.248	2.248	(0.516)	21311	5.00000	4.71442	
7	Trichlorofluoromethane	101	2.254	2.254	(0.518)	73157	5.00000	4.59927	
8	Dichlorofluoromethane	67	2.283	2.283	(0.524)	73031	5.00000	4.80586	
9	Ethyl Ether	74	2.445	2.445	(0.561)	18622	5.00000	4.26658	
10	1,1-Dichloroethene	61	2.581	2.581	(0.593)	49910	5.00000	4.85909	
11	Freon 113	101	2.596	2.596	(0.596)	31239	5.00000	4.66812	
12	Carbon Disulfide	76	2.619	2.619	(0.601)	90150	5.00000	4.70703	
13	Iodomethane	127	2.677	2.677	(0.615)	14024	5.00000	3.70343	
14	Acrolein	56	2.764	2.764	(0.634)	29680	25.0000	23.0782	
15	Isopropyl Alcohol	45	2.824	2.824	(0.648)	13167	25.0000	24.4917	
16	3-Chloro-1-propene	41	2.848	2.848	(0.654)	33006	5.00000	4.59864	
17	Methylene Chloride	84	2.911	2.911	(0.668)	35340	5.00000	4.56523	
18	Acetone	58	2.923	2.923	(0.671)	17313	25.0000	23.0621	
19	Methyl acetate	74	2.987	2.987	(0.686)	7555	5.00000	4.86196	
20	trans-1,2-Dichloroethene	61	3.004	3.004	(0.690)	45435	5.00000	4.84849	
21	Hexane	57	3.044	3.044	(0.699)	56078	5.00000	4.40708	
22	Methyl t-Butyl Ether	73	3.050	3.050	(0.700)	123843	5.00000	4.73394	

Data File: 2324070105.D
Report Date: 02-Jul-2024 12:00

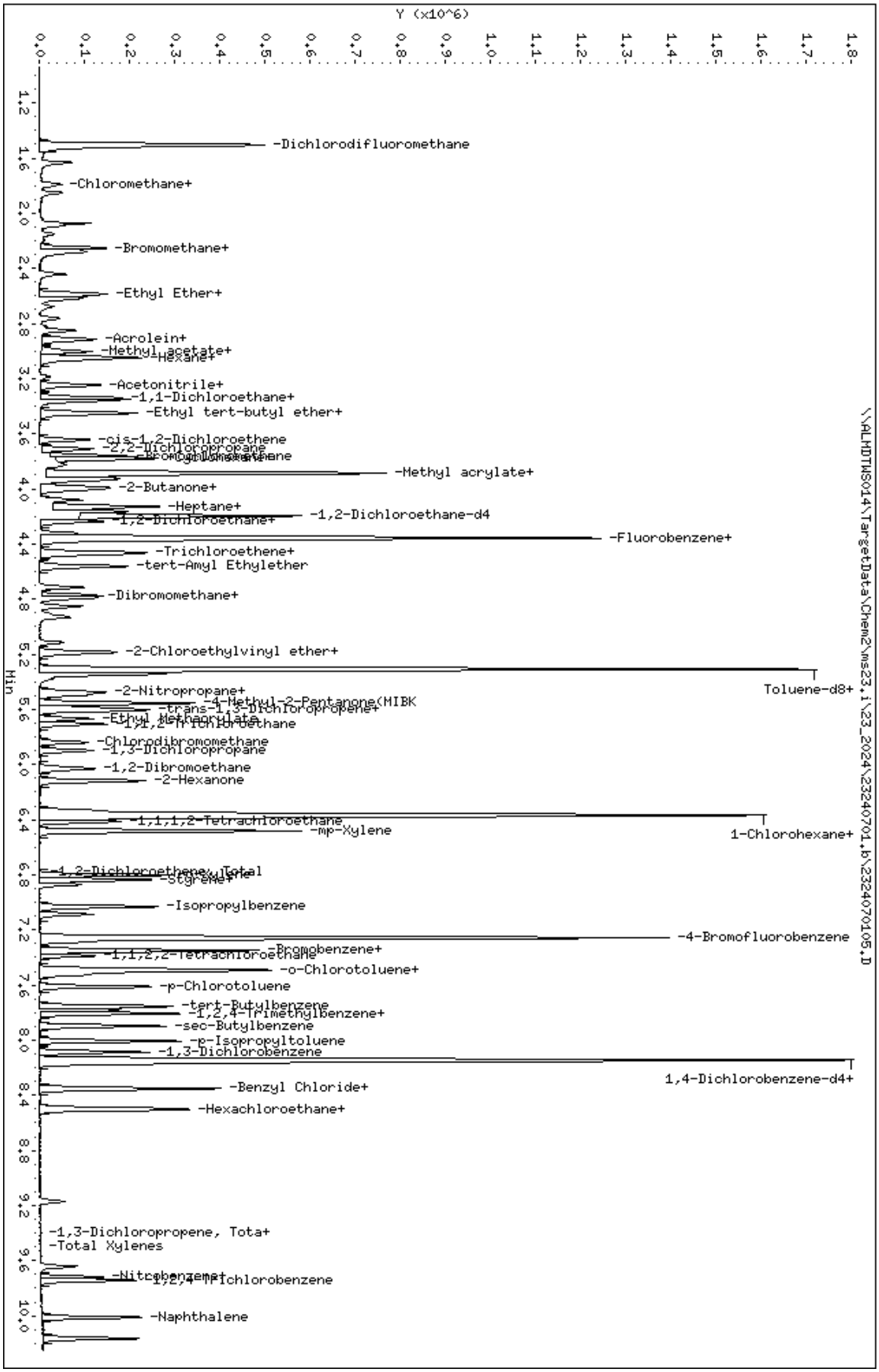
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
23 tert.- Butyl Alcohol	59	3.065	3.065	(0.704)	26239	25.0000	22.8876	
24 Acetonitrile	41	3.189	3.189	(0.732)	19571	25.0000	23.7295	
25 Diisopropyl ether	45	3.247	3.247	(0.745)	84902	5.00000	4.81650	
26 Chloroprene	53	3.334	3.334	(0.765)	47764	5.00000	4.34049(M)	I
27 1,1-Dichloroethane	63	3.346	3.346	(0.768)	61495	5.00000	4.94298	
28 Acrylonitrile	53	3.360	3.360	(0.771)	82167	25.0000	26.0877(M)	MP
29 Ethyl tert-butyl ether	59	3.450	3.450	(0.792)	112866	5.00000	4.84434	
30 n-Propanol	41	3.453	3.453	(0.793)	20698	50.0000	47.1423	
31 Vinyl Acetate	86	3.453	3.453	(0.793)	9298	5.00000	4.81784(Q)	
32 cis-1,2-Dichloroethene	61	3.644	3.644	(0.837)	48685	5.00000	4.83126	
33 2,2-Dichloropropane	77	3.710	3.710	(0.852)	64320	5.00000	4.87178	
34 Bromochloromethane	128	3.754	3.754	(0.862)	20513	5.00000	4.68440	
35 Cyclohexane	84	3.777	3.777	(0.867)	46241	5.00000	4.34486	
36 Chloroform	83	3.783	3.783	(0.868)	79447	5.00000	4.90703	
37 Ethyl Acetate	43	3.818	3.818	(0.876)	34835	5.00000	4.58838	
38 Methyl acrylate	55	3.835	3.835	(0.880)	34655	5.00000	4.99667	
39 Carbon Tetrachloride	117	3.887	3.887	(0.892)	65079	5.00000	4.95074(M)	MP
$ 41 Dibromofluoromethane	113	3.884	3.884	(0.892)	247793	30.0000	29.9003	
40 Tetrahydrofuran	42	3.887	3.887	(0.892)	44922	25.0000	23.3862	
42 1,1,1-Trichloroethane	97	3.925	3.925	(0.901)	71325	5.00000	4.76093	
43 2-Butanone	72	3.939	3.939	(0.904)	25359	25.0000	23.0136	
44 1,1-Dichloropropene	75	3.985	3.985	(0.915)	51024	5.00000	4.71216	
45 1-Chlorobutane	41	4.003	4.003	(0.919)	32715	5.00000	4.65127	
46 Heptane	71	4.078	4.078	(0.936)	20302	5.00000	4.21645	
47 Benzene	78	4.130	4.130	(0.948)	134631	5.00000	4.81106	
48 Propionitrile	54	4.116	4.116	(0.945)	27184	25.0000	22.9427	
49 Methacrylonitrile	67	4.127	4.127	(0.947)	16187	5.00000	4.84716	
50 tert-Amyl methyl ether	73	4.162	4.162	(0.955)	115701	5.00000	4.91004	
54 Isobutyl alcohol	42	4.162	4.162	(0.955)	8158	50.0000	37.2786(Q)	
$ 51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	352764	30.0000	30.2098	
52 1,2-Dichloroethane	62	4.234	4.234	(0.972)	66824	5.00000	4.79485	
53 tert-Amyl Alcohol	59	4.237	4.237	(0.973)	17533	25.0000	20.7770	
* 55 Fluorobenzene	96	4.356	4.356	(1.000)	843351	30.0000		
56 Diisobutylene	57	4.368	4.368	(1.003)	82262	5.00000	4.87266	
57 Trichloroethene	95	4.460	4.460	(1.024)	39192	5.00000	4.72971	
58 Methyl cyclohexane	83	4.472	4.472	(0.703)	48429	5.00000	4.14306	
59 tert-Amyl Ethylether	59	4.565	4.565	(1.048)	83637	5.00000	4.79730	
60 Dibromomethane	93	4.715	4.715	(1.082)	26075	5.00000	4.72048	
61 1,2-Dichloropropane	63	4.767	4.767	(1.094)	29349	5.00000	4.72969	
62 Bromodichloromethane	83	4.790	4.790	(1.100)	57664	5.00000	4.80402	
63 Methyl methacrylate	41	4.854	4.854	(1.114)	32265	5.00000	4.64960	
64 1,4-Dioxane	88	4.906	4.906	(1.126)	13991	125.000	113.051	
65 2-Chloroethylvinyl ether	63	5.120	5.120	(1.175)	17018	5.00000	4.18643	
66 cis-1,3-Dichloropropene	75	5.181	5.181	(0.814)	60260	5.00000	4.61805	
67 Octane	85	5.199	5.199	(0.817)	17091	5.00000	3.95621	
$ 68 Toluene-d8	98	5.309	5.309	(0.834)	912472	30.0000	29.8522	
69 Toluene	92	5.343	5.343	(0.839)	92706	5.00000	4.67212	
70 Chloroacetonitrile	75	5.378	5.378	(0.845)	11617	25.0000	21.0197	
71 2-Nitropropane	41	5.474	5.474	(0.860)	71302	25.0000	22.6057	
72 1,1-Dichloro-2-Propanone	63	5.497	5.497	(0.864)	6379	25.0000	23.6142(Q)	
73 4-Methyl-2-Pentanone(MIBK)	43	5.552	5.552	(0.872)	157943	25.0000	22.7037	
75 trans-1,3-Dichloropropene	75	5.592	5.592	(0.879)	64279	5.00000	4.66714	
74 Tetrachloroethene	164	5.607	5.607	(0.881)	35933	5.00000	4.58662	
76 Ethyl Methacrylate	69	5.668	5.668	(0.890)	49771	5.00000	4.55953	

Data File: 2324070105.D Page 3
Report Date: 02-Jul-2024 12:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
77	1,1,2-Trichloroethane	83	5.708	5.708	(0.897)	29335	5.00000	4.86885	
78	Chlorodibromomethane	129	5.841	5.841	(0.918)	48038	5.00000	4.65721	
79	1,3-Dichloropropane	76	5.899	5.899	(0.927)	59285	5.00000	4.62379	
80	1,2-Dibromoethane	107	6.021	6.021	(0.946)	38297	5.00000	4.49393	
81	2-Hexanone	43	6.116	6.116	(0.961)	117027	25.0000	23.2950	
82	1-Chlorohexane	91	6.336	6.336	(0.995)	39892	5.00000	4.00654(Q)	
* 83	Chlorobenzene-d5	82	6.365	6.365	(1.000)	391593	30.0000		
84	Chlorobenzene	112	6.377	6.377	(1.002)	104662	5.00000	4.64071	
85	Ethylbenzene	106	6.380	6.380	(1.002)	52282	5.00000	4.48413	
86	1,1,1,2-Tetrachloroethane	131	6.415	6.415	(1.008)	44479	5.00000	4.86625	
87	mp-Xylene	106	6.481	6.481	(1.018)	135268	10.0000	9.47828	
88	o-Xylene	106	6.803	6.803	(1.069)	65472	5.00000	4.64104	
89	Styrene	104	6.837	6.837	(0.839)	104475	5.00000	4.66653	
90	Bromoform	173	6.872	6.872	(0.844)	34126	5.00000	4.64532	
91	Isopropylbenzene	105	7.031	7.031	(0.863)	151475	5.00000	4.54310	
M 100	1,2-Dichloroethene, Total	61				94120	10.0000	9.67975	
$ 92	4-Bromofluorobenzene	174	7.257	7.257	(0.891)	336965	30.0000	31.1492	
93	Bromobenzene	156	7.350	7.350	(0.902)	47820	5.00000	4.83066	
94	n-Propylbenzene	120	7.350	7.350	(0.902)	45173	5.00000	4.61267	
95	1,1,2,2-Tetrachloroethane	83	7.387	7.387	(0.907)	44290	5.00000	4.61467	
96	o-Chlorotoluene	91	7.483	7.483	(0.919)	134989	5.00000	4.58717	
97	1,3,5-Trimethylbenzene	105	7.495	7.495	(0.920)	146232	5.00000	4.73701	
98	1,2,3-Trichloropropane	110	7.506	7.506	(0.921)	18711	5.00000	4.60495	
99	trans-1,4-Dichloro-2-butene	53	7.526	7.526	(0.924)	15042	5.00000	4.45078(Q)	
101	p-Chlorotoluene	91	7.610	7.610	(0.934)	126326	5.00000	4.72801	
102	tert-Butylbenzene	134	7.755	7.755	(0.952)	34752	5.00000	4.79308	
103	Pentachloroethane	117	7.781	7.781	(0.955)	27262	5.00000	4.14419(QM)	MP
104	1,2,4-Trimethylbenzene	105	7.804	7.804	(0.958)	147893	5.00000	4.65232	
105	sec-Butylbenzene	105	7.900	7.900	(0.970)	162551	5.00000	4.47357	
106	p-Isopropyltoluene	134	8.007	8.007	(0.983)	38180	5.00000	4.49863	
107	1,3-Dichlorobenzene	146	8.088	8.088	(0.993)	82384	5.00000	4.51153	
* 108	1,4-Dichlorobenzene-d4	152	8.146	8.146	(1.000)	391018	30.0000		
109	1,4-Dichlorobenzene	146	8.158	8.158	(1.001)	86271	5.00000	4.65591	
110	Benzyl Chloride	126	8.352	8.352	(1.025)	18699	5.00000	4.57720(Q)	
111	n-Butylbenzene	134	8.355	8.355	(1.026)	35232	5.00000	4.63472(Q)	
112	Hexachloroethane	117	8.496	8.496	(1.043)	26582	5.00000	4.22091	
113	1,2-Dichlorobenzene	146	8.502	8.502	(1.044)	84093	5.00000	4.71384	
114	1,2-Dibromo-3-chloropropane	75	9.171	9.171	(1.126)	12164	5.00000	4.56067	
115	Nitrobenzene	77	9.637	9.637	(1.183)	34287	50.0000	48.3515	
116	Hexachlorobutadiene	225	9.718	9.718	(1.193)	22344	5.00000	4.30728	
M 120	1,3-Dichloropropene, Total	75				124539	10.0000	9.28519	
117	1,2,4-Trichlorobenzene	180	9.744	9.744	(1.196)	53758	5.00000	4.71188	
M 121	Total Xylenes	106				200740	15.0000	14.1193	
118	Naphthalene	128	10.011	10.011	(1.229)	141736	5.00000	4.40753	
119	1,2,3-Trichlorobenzene	180	10.164	10.164	(1.248)	51694	5.00000	4.35120(H)	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Data File: \\ALHDTWS014\TargetData\Chem2\ms23,i\23_2024\2324070i.b\2324070105.D
Date : 01-JUL-2024 11:10
Client ID:
Sample Info: 1235;;1;1;2;;;
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms23,i
Operator: THP
Column diameter: 0.25

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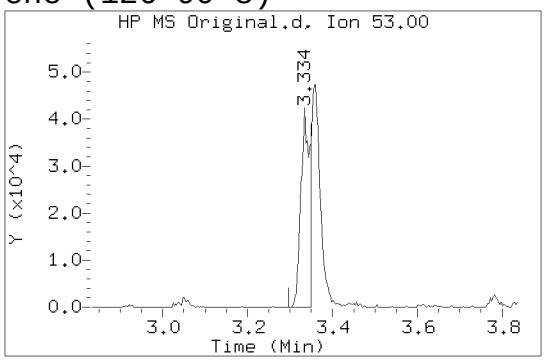
Page 1

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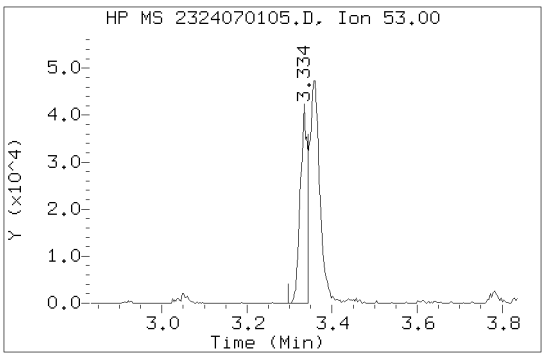
Chloroprene (126-99-8)

Reason Code: I

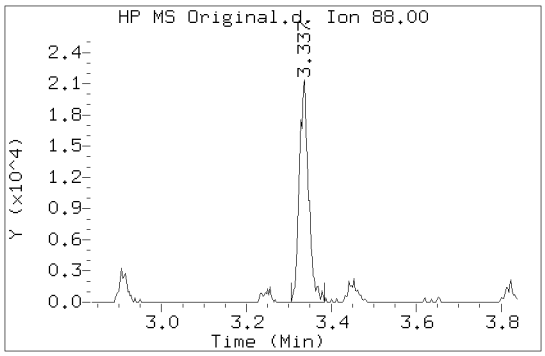
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01-Jul-2024
13:09



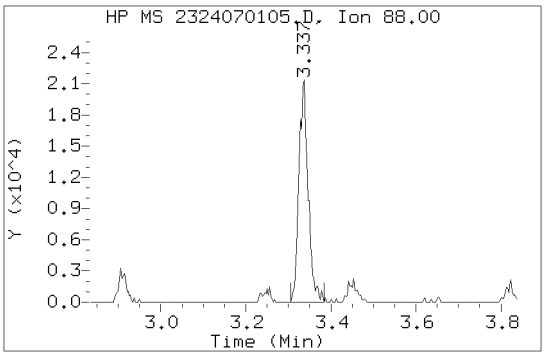
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12:00



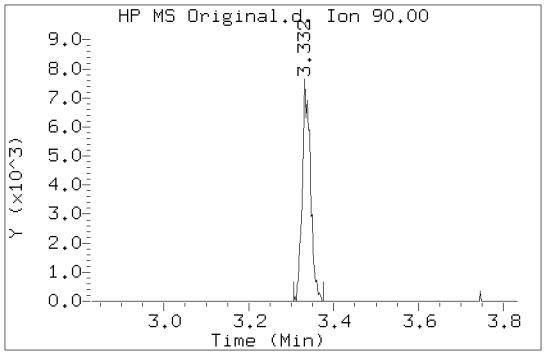
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01-Jul-2024
13:09



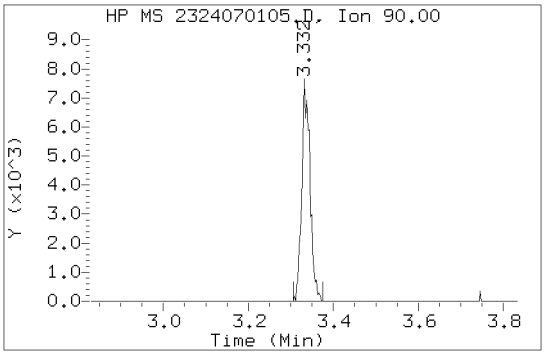
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HEIGHT
21368
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12:00



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01-Jul-2024
13:09



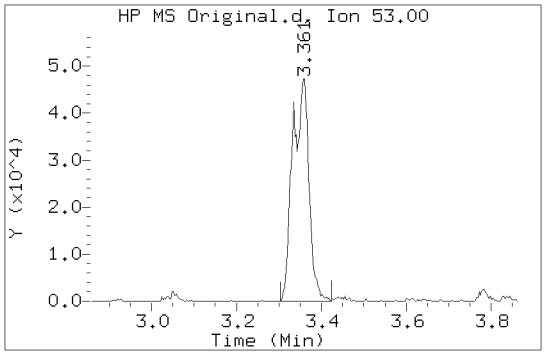
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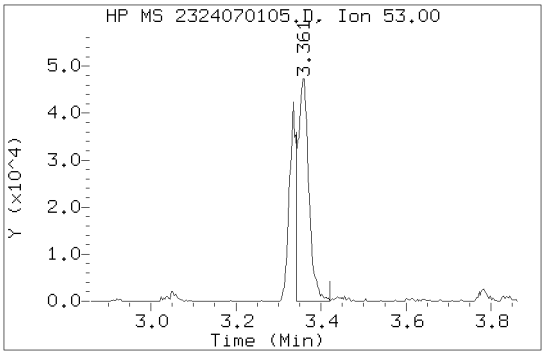
Acrylonitrile (107-13-1)

Reason Code: MP

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02-Jul-2024
12:00

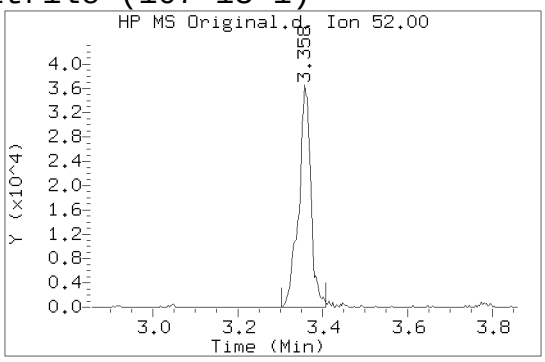


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InstruID : ms23.i
LabSampID : 1235

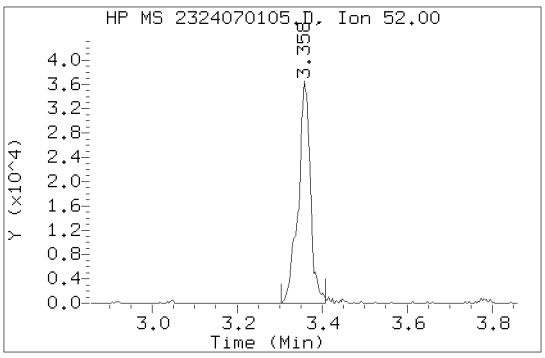
Acrylonitrile (107-13-1)

Reason Code: MP

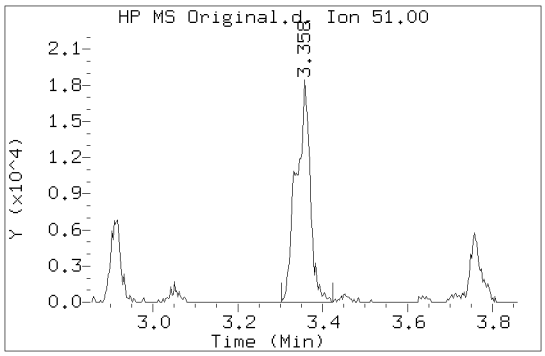
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01-Jul-2024
13:09



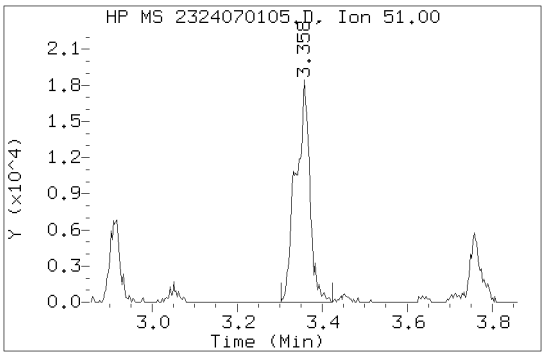
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12:00



BEFORE
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HEIGHT
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01-Jul-2024
13:09



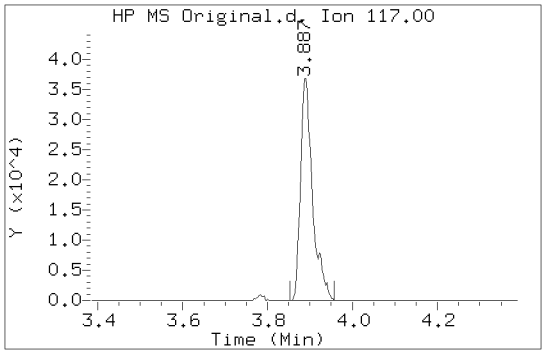
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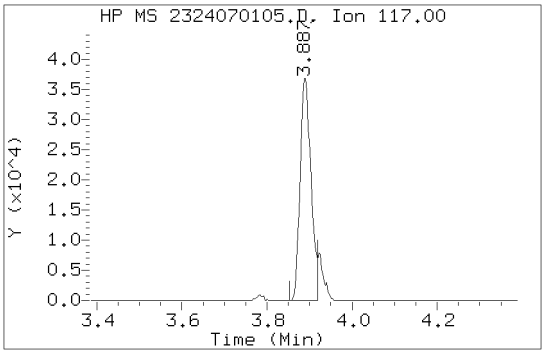
Carbon Tetrachloride (56-23-5)

Reason Code: MP

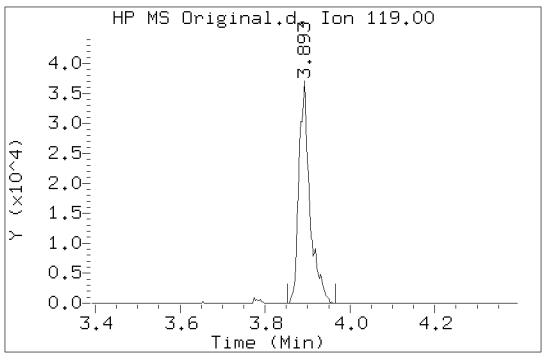
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01-Jul-2024
13:09



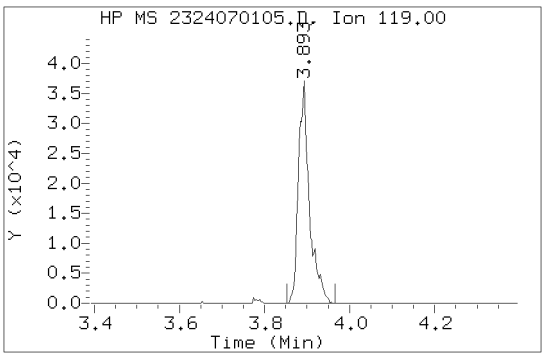
AFTER
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AREA
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HEIGHT
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02-Jul-2024
12:00



BEFORE
MASS
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AREA
65585
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01-Jul-2024
13:09



AFTER
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02-Jul-2024
12:00

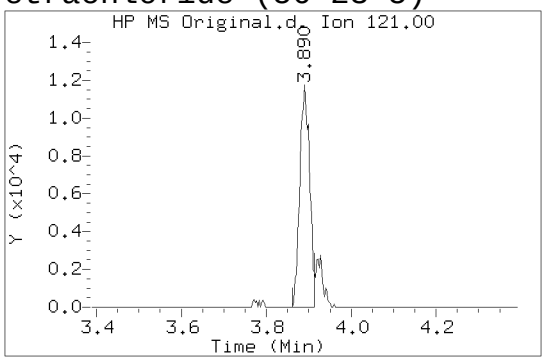


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Inj Date : 01-JUL-2024 11:10
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LabSampID : 1235

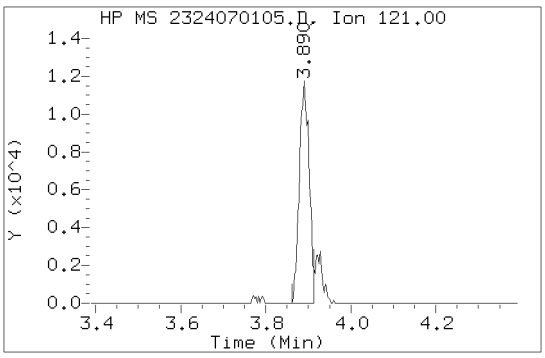
Carbon Tetrachloride (56-23-5)

Reason Code: MP

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01-Jul-2024
13:09



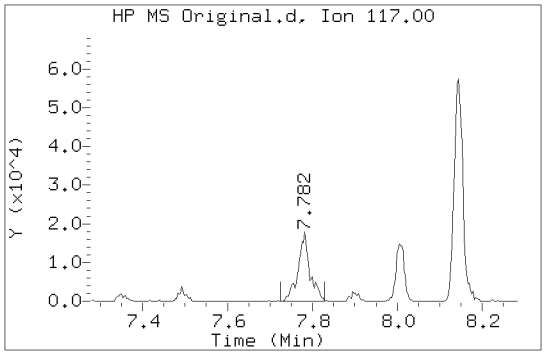
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02-Jul-2024
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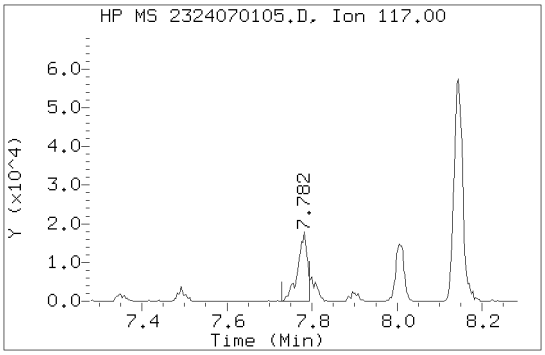
Pentachloroethane (76-01-7)

Reason Code: MP

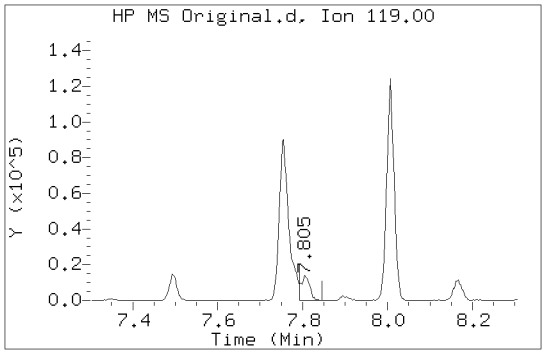
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01-Jul-2024
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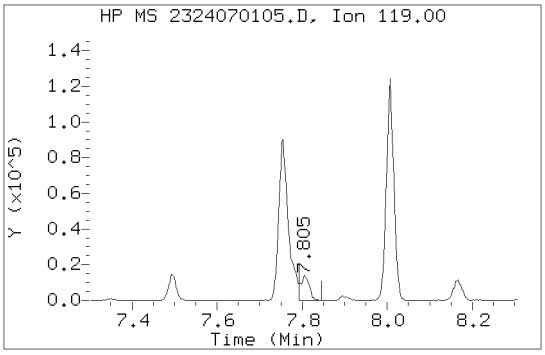
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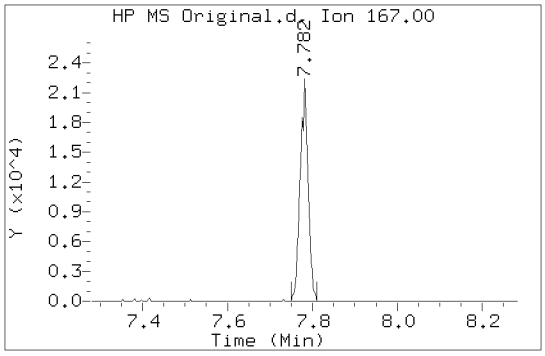
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01-Jul-2024
13:09



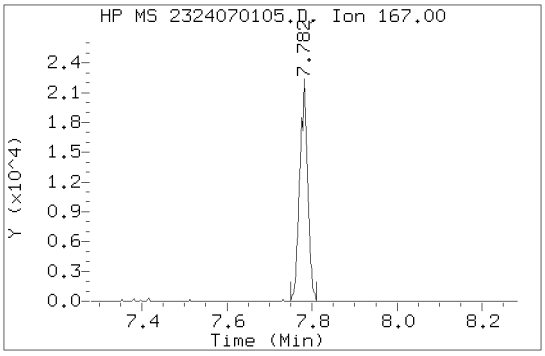
AFTER
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02-Jul-2024
12:00



BEFORE
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01-Jul-2024
13:09



AFTER
MASS
167
AREA
28293
HEIGHT
22384
02-Jul-2024
12:00



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 12:00
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240701.b/2324070105
Inj Date: 01-JUL-2024 11:10
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2324070106.D Page 1
Report Date: 02-Jul-2024 12:00

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\2324070106.D
Lab Smp Id: 1236
Inj Date : 01-JUL-2024 11:30
Operator : TMP Inst ID: ms23.i
Smp Info : 1236;;1;1;3;;;
Misc Info :
Comment :
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Meth Date : 02-Jul-2024 03:54 chs Quant Type: ISTD
Cal Date : 25-JUN-2024 12:00 Cal File: 2324062504.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.629	1.629	(0.374)	209150	20.0000	17.4907	
2 Chloromethane	50	1.788	1.788	(0.410)	128905	20.0000	17.5604	
3 Vinyl Chloride	62	1.849	1.849	(0.424)	127585	20.0000	16.8211	
4 Bromomethane	94	2.072	2.072	(0.476)	97388	20.0000	16.9825	
5 Chloroethane	64	2.147	2.147	(0.493)	70909	20.0000	16.3722	
6 Pentane	41	2.245	2.245	(0.515)	82761	20.0000	18.4017	
7 Trichlorofluoromethane	101	2.248	2.248	(0.516)	276162	20.0000	17.4504	
8 Dichlorofluoromethane	67	2.277	2.277	(0.523)	258626	20.0000	17.1058	
9 Ethyl Ether	74	2.442	2.442	(0.561)	78828	20.0000	18.1528	
10 1,1-Dichloroethene	61	2.575	2.575	(0.591)	184280	20.0000	18.0324	
11 Freon 113	101	2.590	2.590	(0.595)	122974	20.0000	18.4700	
12 Carbon Disulfide	76	2.619	2.619	(0.601)	336383	20.0000	17.6532	
13 Iodomethane	127	2.674	2.674	(0.614)	60500	20.0000	15.7785	
14 Acrolein	56	2.764	2.764	(0.634)	117867	100.000	92.1166	
15 Isopropyl Alcohol	45	2.819	2.819	(0.647)	49095	100.000	95.1612	
16 3-Chloro-1-propene	41	2.847	2.847	(0.654)	134447	20.0000	18.8276	
17 Methylene Chloride	84	2.905	2.905	(0.667)	134023	20.0000	17.4014	
18 Acetone	58	2.920	2.920	(0.670)	67583	100.000	90.4839	
19 Methyl acetate	74	2.984	2.984	(0.685)	29680	20.0000	19.1977	
20 trans-1,2-Dichloroethene	61	3.004	3.004	(0.690)	172358	20.0000	18.4865	
21 Hexane	57	3.044	3.044	(0.699)	226203	20.0000	17.8676	
22 Methyl t-Butyl Ether	73	3.050	3.050	(0.700)	478163	20.0000	18.3711	

Data File: 2324070106.D
Report Date: 02-Jul-2024 12:00

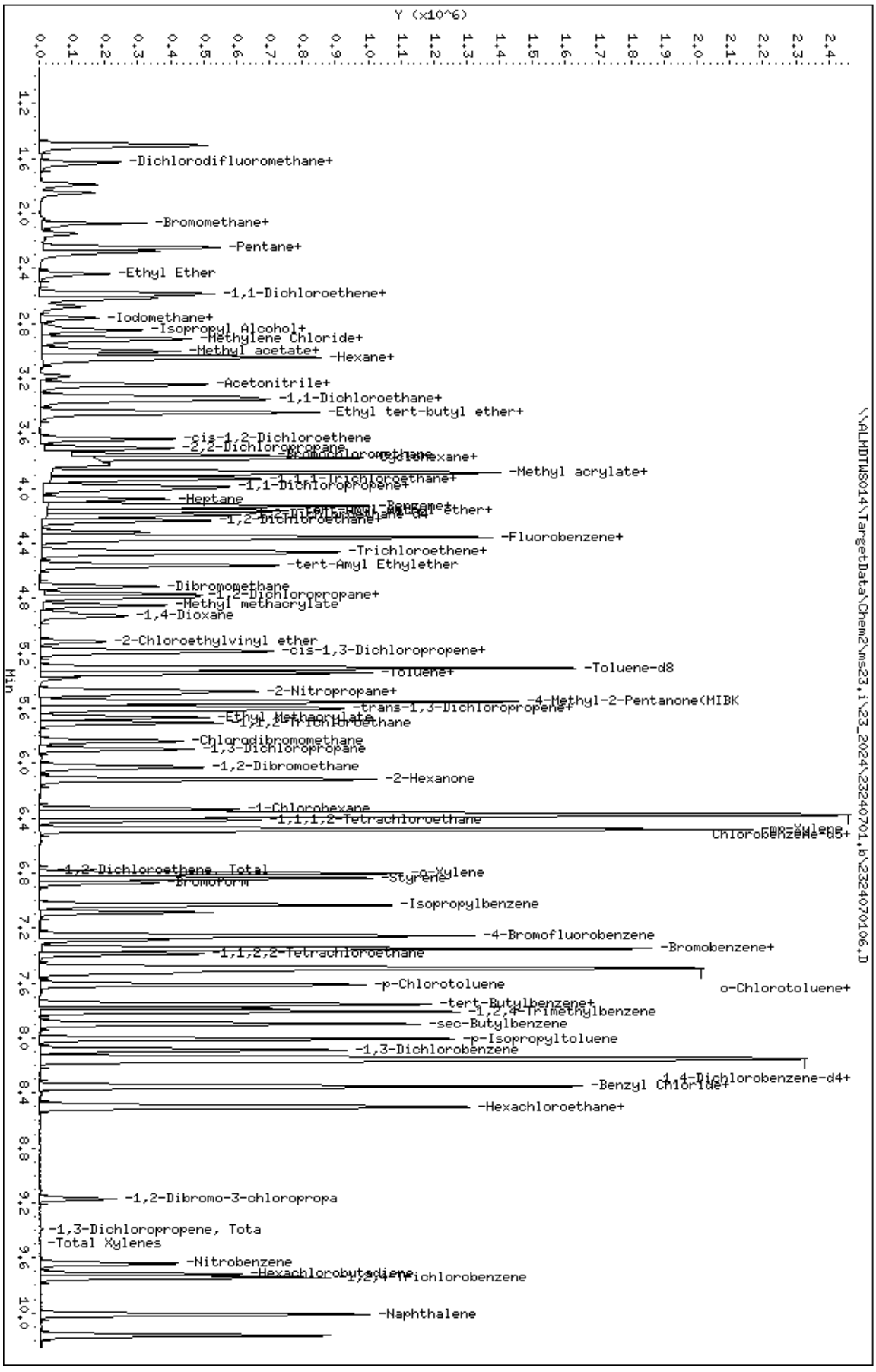
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	3.065	3.065	(0.704)	107897	100.000	94.5954	
	24 Acetonitrile	41	3.183	3.183	(0.731)	72529	100.000	88.3883	
	25 Diisopropyl ether	45	3.244	3.244	(0.745)	316572	20.0000	18.0507	
	26 Chloroprene	53	3.337	3.337	(0.766)	181313	20.0000	16.5605(M)	MP
	27 1,1-Dichloroethane	63	3.345	3.345	(0.768)	225039	20.0000	18.1809	
	28 Acrylonitrile	53	3.357	3.357	(0.771)	282918	100.000	90.2832	
	29 Ethyl tert-butyl ether	59	3.447	3.447	(0.791)	431041	20.0000	18.5951	
	30 n-Propanol	41	3.447	3.447	(0.791)	79194	200.000	181.294	
	31 Vinyl Acetate	86	3.450	3.450	(0.792)	37416	20.0000	19.4863(Q)	
	32 cis-1,2-Dichloroethene	61	3.644	3.644	(0.837)	174673	20.0000	17.4221	
	33 2,2-Dichloropropane	77	3.710	3.710	(0.852)	236342	20.0000	17.9925	
	34 Bromochloromethane	128	3.757	3.757	(0.862)	81228	20.0000	18.6440	
	35 Cyclohexane	84	3.780	3.780	(0.868)	192405	20.0000	18.1708	
	36 Chloroform	83	3.780	3.780	(0.868)	294508	20.0000	18.2830	
	37 Ethyl Acetate	43	3.817	3.817	(0.876)	133322	20.0000	17.6504	
	38 Methyl acrylate	55	3.832	3.832	(0.880)	129637	20.0000	18.7867	
	39 Carbon Tetrachloride	117	3.890	3.890	(0.893)	253987	20.0000	19.4200(M)	MP
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	254608	30.0000	30.8792	
	40 Tetrahydrofuran	42	3.881	3.881	(0.891)	179540	100.000	93.9442	
	42 1,1,1-Trichloroethane	97	3.922	3.922	(0.900)	279201	20.0000	18.7316	
	43 2-Butanone	72	3.936	3.936	(0.904)	104339	100.000	95.1717	
	44 1,1-Dichloropropene	75	3.985	3.985	(0.915)	189544	20.0000	17.5940	
	45 1-Chlorobutane	41	4.006	4.006	(0.920)	124157	20.0000	17.7421	
	46 Heptane	71	4.078	4.078	(0.936)	87421	20.0000	18.2487	
	47 Benzene	78	4.130	4.130	(0.948)	503851	20.0000	18.0970	
	48 Propionitrile	54	4.110	4.110	(0.944)	109000	100.000	92.4627	
	49 Methacrylonitrile	67	4.124	4.124	(0.947)	64032	20.0000	19.2720	
	50 tert-Amyl methyl ether	73	4.162	4.162	(0.955)	434050	20.0000	18.5138	
	54 Isobutyl alcohol	42	4.171	4.171	(0.957)	41327	200.000	189.810	
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	361319	30.0000	31.1001	
	52 1,2-Dichloroethane	62	4.234	4.234	(0.972)	246368	20.0000	17.7678	
	53 tert-Amyl Alcohol	59	4.237	4.237	(0.973)	79778	100.000	95.0205	
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	839074	30.0000		
	56 Diisobutylene	57	4.368	4.368	(1.003)	268223	20.0000	18.7466	
	57 Trichloroethene	95	4.457	4.457	(1.023)	147415	20.0000	17.8808	
	58 Methyl cyclohexane	83	4.472	4.472	(0.703)	207219	20.0000	18.2899	
	59 tert-Amyl Ethylether	59	4.562	4.562	(1.047)	318166	20.0000	18.3426	
	60 Dibromomethane	93	4.715	4.715	(1.082)	102235	20.0000	18.6024	
	61 1,2-Dichloropropane	63	4.770	4.770	(1.095)	110583	20.0000	17.9117	
	62 Bromodichloromethane	83	4.793	4.793	(1.100)	217038	20.0000	18.1737	
	63 Methyl methacrylate	41	4.851	4.851	(1.114)	127372	20.0000	18.4487	
	64 1,4-Dioxane	88	4.903	4.903	(1.126)	57646	500.000	468.168(A)	
	65 2-Chloroethylvinyl ether	63	5.117	5.117	(1.175)	67725	20.0000	16.4913	
	66 cis-1,3-Dichloropropene	75	5.181	5.181	(0.814)	239624	20.0000	18.9464	
	67 Octane	85	5.196	5.196	(0.816)	78492	20.0000	18.7457	
$	68 Toluene-d8	98	5.309	5.309	(0.834)	881578	30.0000	29.7566	
	69 Toluene	92	5.343	5.343	(0.839)	337285	20.0000	17.5376	
	70 Chloroacetonitrile	75	5.381	5.381	(0.845)	57281	100.000	106.933	
	71 2-Nitropropane	41	5.474	5.474	(0.860)	308874	100.000	101.033	
	72 1,1-Dichloro-2-Propanone	63	5.497	5.497	(0.864)	27884	100.000	106.498(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.555	5.555	(0.873)	667057	100.000	98.9293	
	75 trans-1,3-Dichloropropene	75	5.592	5.592	(0.879)	252664	20.0000	18.9274	
	74 Tetrachloroethene	164	5.607	5.607	(0.881)	140970	20.0000	18.5649	
	76 Ethyl Methacrylate	69	5.668	5.668	(0.890)	206661	20.0000	19.5330	

Data File: 2324070106.D Page 3
Report Date: 02-Jul-2024 12:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
77	1,1,2-Trichloroethane	83	5.705	5.705	(0.896)	108332	20.0000	18.5508	
78	Chlorodibromomethane	129	5.838	5.838	(0.917)	191060	20.0000	19.1107	
79	1,3-Dichloropropane	76	5.899	5.899	(0.927)	232542	20.0000	18.7120	
80	1,2-Dibromoethane	107	6.024	6.024	(0.946)	156393	20.0000	18.9341	
81	2-Hexanone	43	6.116	6.116	(0.961)	492021	100.000	101.047	
82	1-Chlorohexane	91	6.336	6.336	(0.995)	174319	20.0000	18.0632	
* 83	Chlorobenzene-d5	82	6.365	6.365	(1.000)	379550	30.0000		
84	Chlorobenzene	112	6.380	6.380	(1.002)	398857	20.0000	18.2465	
85	Ethylbenzene	106	6.383	6.383	(1.003)	207179	20.0000	18.3332	
86	1,1,1,2-Tetrachloroethane	131	6.412	6.412	(1.007)	166603	20.0000	18.8057	
87	mp-Xylene	106	6.481	6.481	(1.018)	513820	40.0000	37.1459	
88	o-Xylene	106	6.803	6.803	(1.069)	253389	20.0000	18.5316	
89	Styrene	104	6.837	6.837	(0.840)	427420	20.0000	18.9842	
90	Bromoform	173	6.872	6.872	(0.844)	139105	20.0000	18.8290	
91	Isopropylbenzene	105	7.031	7.031	(0.863)	614958	20.0000	18.3405	
M 100	1,2-Dichloroethene, Total	61				347031	40.0000	35.9086	
$ 92	4-Bromofluorobenzene	174	7.254	7.254	(0.891)	313118	30.0000	28.7822	
93	Bromobenzene	156	7.350	7.350	(0.903)	184129	20.0000	18.4958	
94	n-Propylbenzene	120	7.350	7.350	(0.903)	176402	20.0000	17.9115	
95	1,1,2,2-Tetrachloroethane	83	7.387	7.387	(0.907)	186363	20.0000	19.3085	
96	o-Chlorotoluene	91	7.486	7.486	(0.919)	539400	20.0000	18.2269	
97	1,3,5-Trimethylbenzene	105	7.495	7.495	(0.920)	581327	20.0000	18.7257	
98	1,2,3-Trichloropropane	110	7.506	7.506	(0.922)	76289	20.0000	18.6700	
99	trans-1,4-Dichloro-2-butene	53	7.526	7.526	(0.924)	65385	20.0000	19.2381	
101	p-Chlorotoluene	91	7.610	7.610	(0.935)	489324	20.0000	18.2111	
102	tert-Butylbenzene	134	7.755	7.755	(0.952)	134563	20.0000	18.4550	
103	Pentachloroethane	117	7.778	7.778	(0.955)	122788	20.0000	18.5606(M)	MP
104	1,2,4-Trimethylbenzene	105	7.807	7.807	(0.959)	586183	20.0000	18.3362	
105	sec-Butylbenzene	105	7.897	7.897	(0.970)	676978	20.0000	18.5265	
106	p-Isopropyltoluene	134	8.004	8.004	(0.983)	159975	20.0000	18.7435	
107	1,3-Dichlorobenzene	146	8.085	8.085	(0.993)	337813	20.0000	18.3955	
* 108	1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	393226	30.0000		
109	1,4-Dichlorobenzene	146	8.158	8.158	(1.002)	346246	20.0000	18.5814	
110	Benzyl Chloride	126	8.352	8.352	(1.026)	80223	20.0000	19.5270(Q)	
111	n-Butylbenzene	134	8.354	8.354	(1.026)	145193	20.0000	18.9927	
112	Hexachloroethane	117	8.493	8.493	(1.043)	117185	20.0000	18.5031	
113	1,2-Dichlorobenzene	146	8.505	8.505	(1.044)	328319	20.0000	18.3006	
114	1,2-Dibromo-3-chloropropane	75	9.168	9.168	(1.126)	52679	20.0000	19.6401	
115	Nitrobenzene	77	9.643	9.643	(1.184)	174292	200.000	169.671	
116	Hexachlorobutadiene	225	9.721	9.721	(1.194)	96736	20.0000	18.5432	
M 120	1,3-Dichloropropene, Total	75				492288	40.0000	37.8738	
117	1,2,4-Trichlorobenzene	180	9.744	9.744	(1.197)	220806	20.0000	19.2449	
M 121	Total Xylenes	106				767209	60.0000	55.6775	
118	Naphthalene	128	10.011	10.011	(1.229)	640258	20.0000	19.7981	
119	1,2,3-Trichlorobenzene	180	10.164	10.164	(1.248)	217520	20.0000	18.2064(H)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



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Instrument: ms23.i
Operator: THP
Column diameter: 0.25

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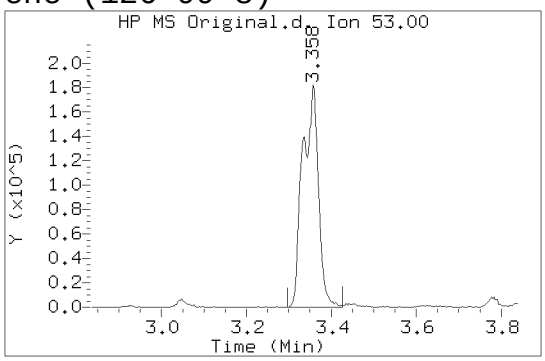
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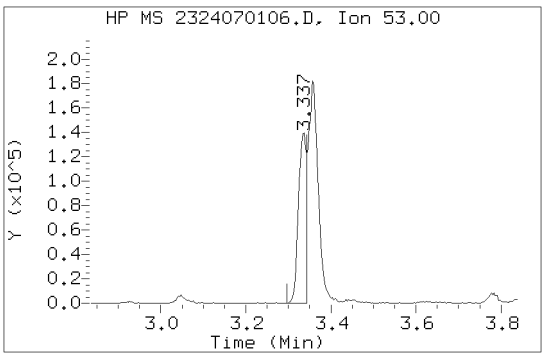
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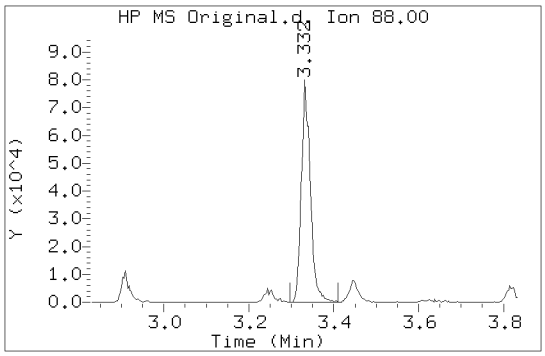
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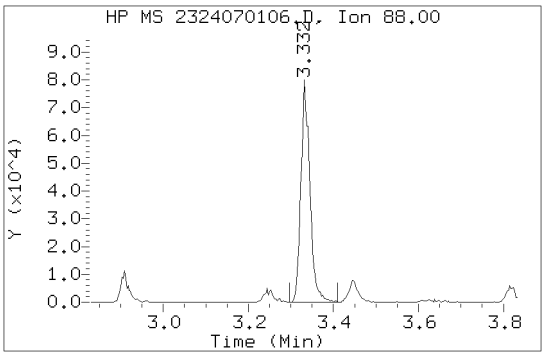
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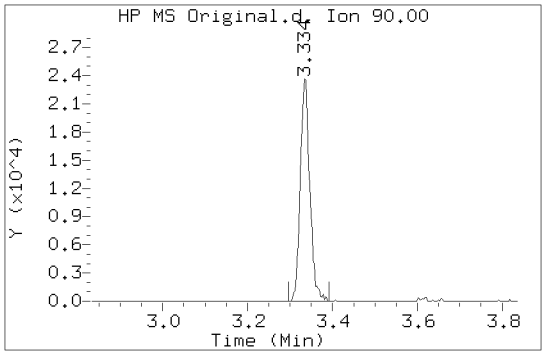
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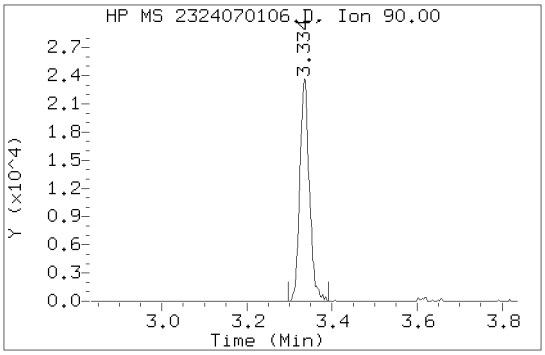
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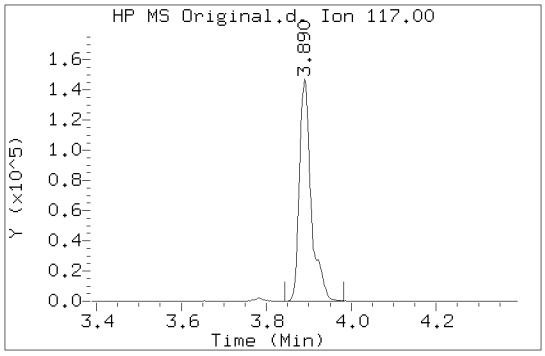
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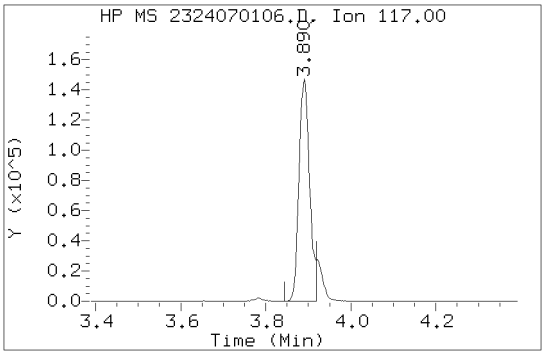
Carbon Tetrachloride (56-23-5)

Reason Code: MP

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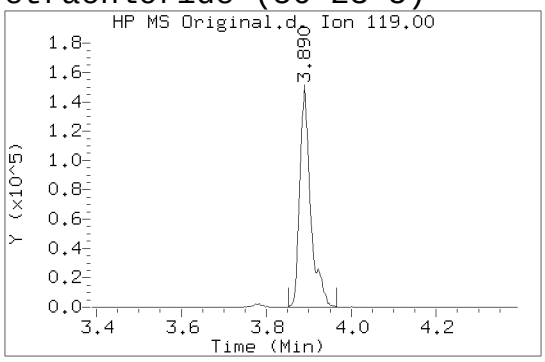


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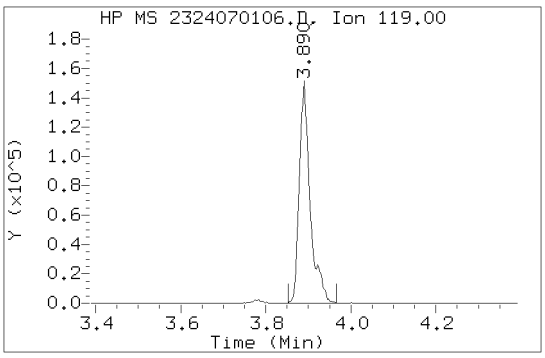
Carbon Tetrachloride (56-23-5)

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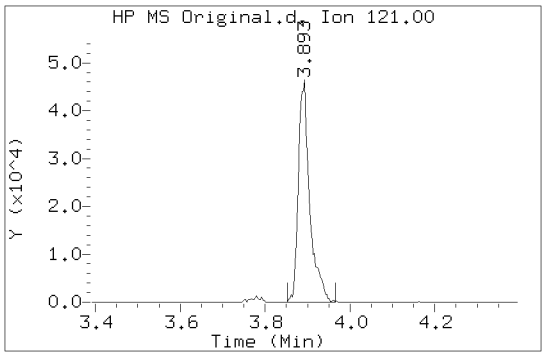
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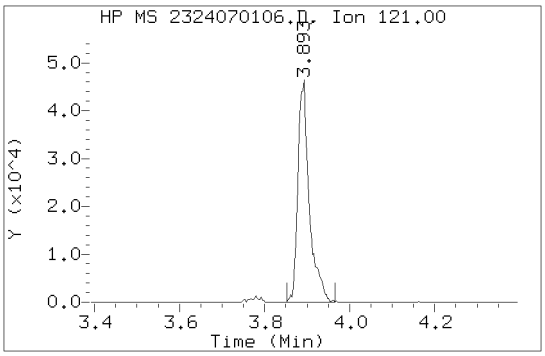
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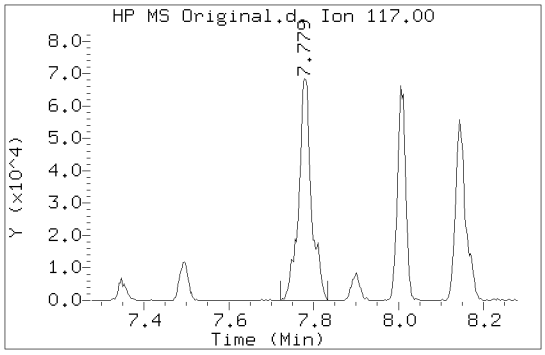
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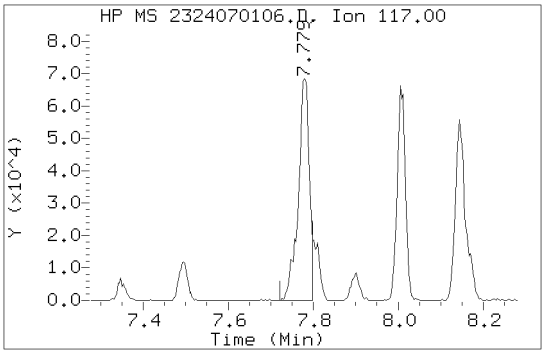
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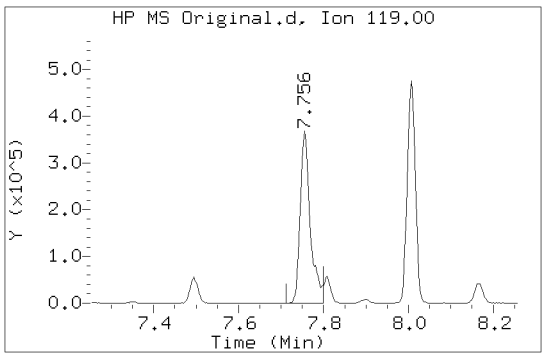
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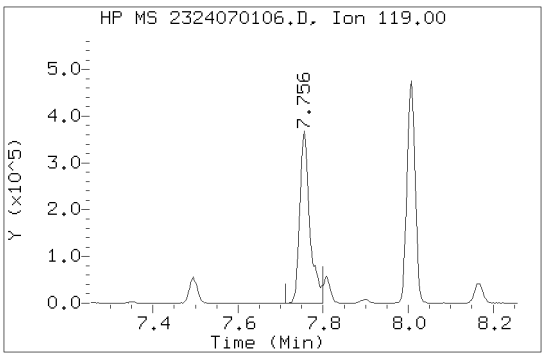
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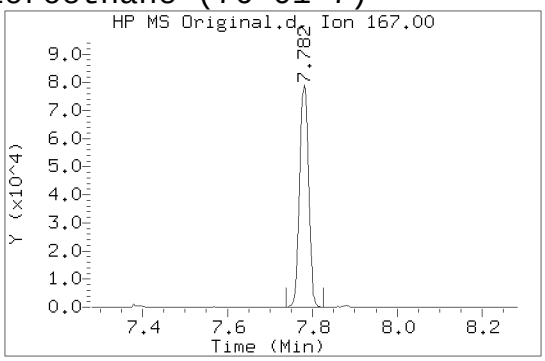
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Pentachloroethane (76-01-7)

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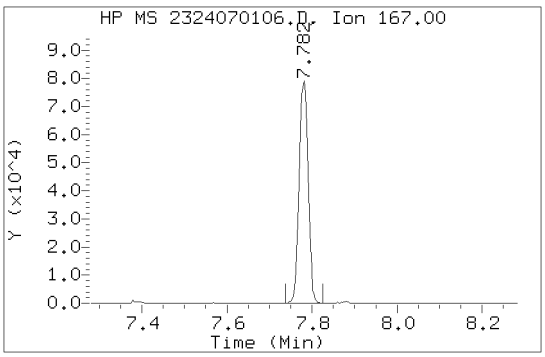
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AFTER

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UNASSIGNED PEAK REPORT

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Inj Date: 01-JUL-2024 11:30
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2324070107.D Page 1
Report Date: 02-Jul-2024 12:01

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

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Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
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Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.629	1.629	(0.374)	570608	50.0000	48.0420	
2	Chloromethane	50	1.788	1.788	(0.410)	334744	50.0000	45.9103	
3	Vinyl Chloride	62	1.849	1.849	(0.424)	349210	50.0000	46.3528	
4	Bromomethane	94	2.072	2.072	(0.476)	264064	50.0000	46.3595	
5	Chloroethane	64	2.147	2.147	(0.493)	193823	50.0000	45.0553	
6	Pentane	41	2.245	2.245	(0.515)	218207	50.0000	48.8466	
7	Trichlorofluoromethane	101	2.248	2.248	(0.516)	748396	50.0000	47.6109	
8	Dichlorofluoromethane	67	2.277	2.277	(0.523)	726769	50.0000	48.3952	
9	Ethyl Ether	74	2.442	2.442	(0.561)	216756	50.0000	50.2536	
10	1,1-Dichloroethene	61	2.581	2.581	(0.593)	489325	50.0000	48.2066	
11	Freon 113	101	2.590	2.590	(0.595)	323345	50.0000	48.8937	
12	Carbon Disulfide	76	2.619	2.619	(0.601)	926088	50.0000	48.9301	
13	Iodomethane	127	2.677	2.677	(0.615)	189286	50.0000	47.5246	
14	Acrolein	56	2.761	2.761	(0.634)	313562	250.000	246.719(A)	
15	Isopropyl Alcohol	45	2.821	2.821	(0.648)	128491	250.000	250.771(A)	
16	3-Chloro-1-propene	41	2.847	2.847	(0.654)	357990	50.0000	50.4719	
17	Methylene Chloride	84	2.908	2.908	(0.668)	355240	50.0000	46.4365	
18	Acetone	58	2.920	2.920	(0.670)	173760	250.000	234.217(A)	
19	Methyl acetate	74	2.984	2.984	(0.685)	76959	50.0000	50.1162	
20	trans-1,2-Dichloroethene	61	3.004	3.004	(0.690)	458492	50.0000	49.5096	
21	Hexane	57	3.044	3.044	(0.699)	597713	50.0000	47.5328	

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Report Date: 02-Jul-2024 12:01

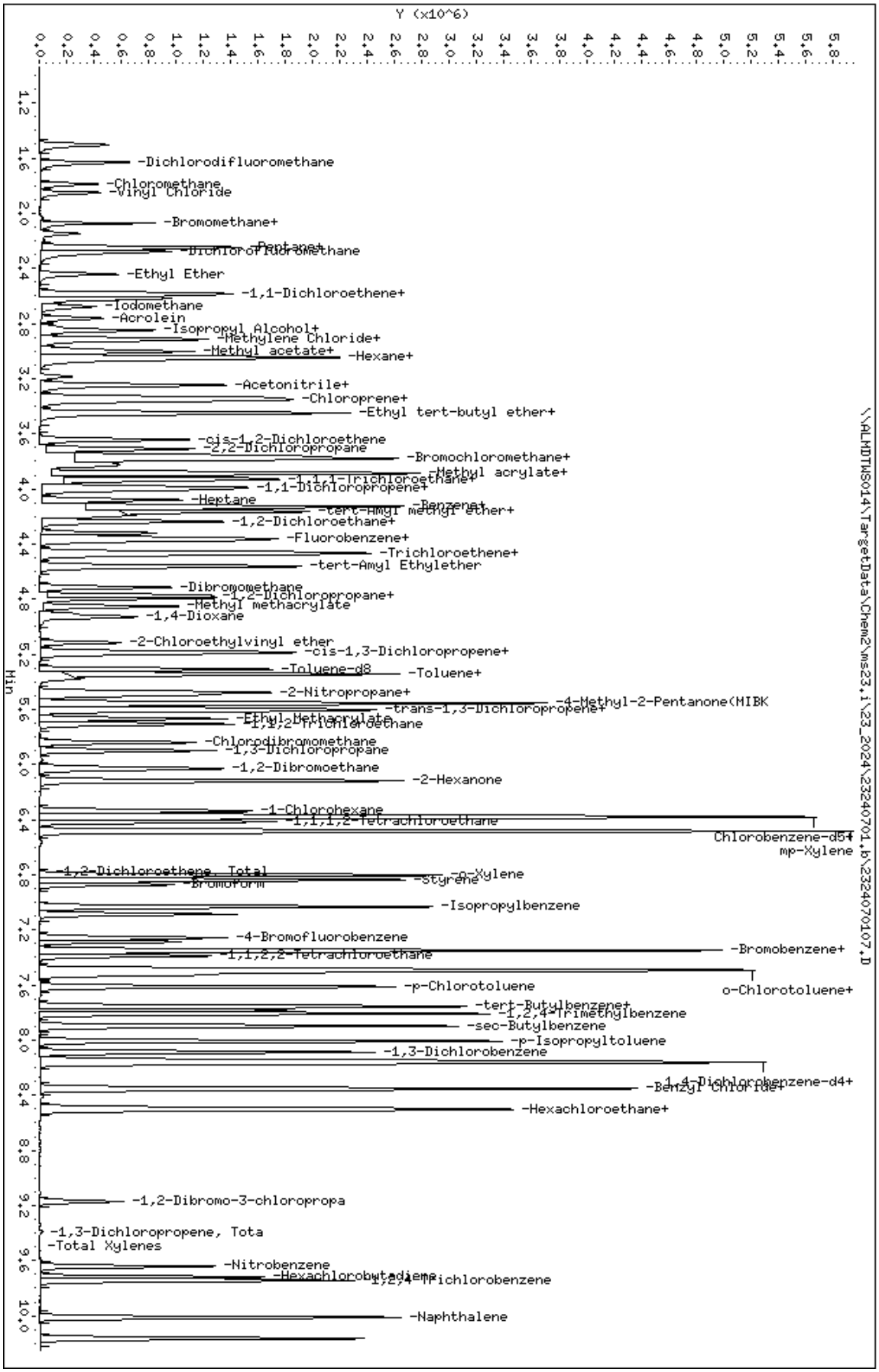
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	3.050	3.050	(0.700)	1266447	50.0000	48.9870	
	23 tert.- Butyl Alcohol	59	3.070	3.070	(0.705)	281903	250.000	248.825(A)	
	24 Acetonitrile	41	3.186	3.186	(0.731)	190943	250.000	234.272(A)	
	25 Diisopropyl ether	45	3.247	3.247	(0.745)	850340	50.0000	48.8144	
	26 Chloroprene	53	3.334	3.334	(0.765)	552888	50.0000	50.8413	
	27 1,1-Dichloroethane	63	3.345	3.345	(0.768)	600920	50.0000	48.8774	
	28 Acrylonitrile	53	3.360	3.360	(0.771)	824075	250.000	264.757(AM)	MP
	29 Ethyl tert-butyl ether	59	3.447	3.447	(0.791)	1149665	50.0000	49.9327	
	30 n-Propanol	41	3.450	3.450	(0.792)	205321	500.000	473.214(A)	
	31 Vinyl Acetate	86	3.450	3.450	(0.792)	95986	50.0000	50.3283	
	32 cis-1,2-Dichloroethene	61	3.644	3.644	(0.837)	485045	50.0000	48.7068	
	33 2,2-Dichloropropane	77	3.710	3.710	(0.852)	643353	50.0000	49.3097	
	34 Bromochloromethane	128	3.757	3.757	(0.862)	218180	50.0000	50.4175	
	35 Cyclohexane	84	3.783	3.783	(0.868)	503417	50.0000	47.8650	
	36 Chloroform	83	3.783	3.783	(0.868)	786759	50.0000	49.1728	
	37 Ethyl Acetate	43	3.817	3.817	(0.876)	365625	50.0000	48.7328	
	38 Methyl acrylate	55	3.835	3.835	(0.880)	351996	50.0000	51.3563	
	39 Carbon Tetrachloride	117	3.890	3.890	(0.893)	657370	50.0000	50.6035(M)	MP
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	252311	30.0000	30.8080	
	40 Tetrahydrofuran	42	3.881	3.881	(0.891)	467783	250.000	246.426(A)	
	42 1,1,1-Trichloroethane	97	3.922	3.922	(0.900)	737903	50.0000	49.8415	
	43 2-Butanone	72	3.936	3.936	(0.904)	263549	250.000	242.023(A)	
	44 1,1-Dichloropropene	75	3.985	3.985	(0.915)	512852	50.0000	47.9269	
	45 1-Chlorobutane	41	4.006	4.006	(0.920)	323617	50.0000	46.5584	
	46 Heptane	71	4.081	4.081	(0.937)	224994	50.0000	47.2847	
	47 Benzene	78	4.130	4.130	(0.948)	1340515	50.0000	48.4740	
	48 Propionitrile	54	4.110	4.110	(0.944)	294456	250.000	251.475(A)	
	49 Methacrylonitrile	67	4.127	4.127	(0.947)	168237	50.0000	50.9782	
	50 tert-Amyl methyl ether	73	4.162	4.162	(0.955)	1160216	50.0000	49.8229	
	54 Isobutyl alcohol	42	4.165	4.165	(0.956)	107918	500.000	499.013(A)	
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	364178	30.0000	31.5587	
	52 1,2-Dichloroethane	62	4.234	4.234	(0.972)	654545	50.0000	47.5252	
	53 tert-Amyl Alcohol	59	4.237	4.237	(0.973)	209551	250.000	251.280(A)	
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	833425	30.0000		
	56 Diisobutylene	57	4.373	4.373	(1.004)	674895	50.0000	48.9226	
	57 Trichloroethene	95	4.457	4.457	(1.023)	391550	50.0000	47.8152	
	58 Methyl cyclohexane	83	4.475	4.475	(0.703)	542340	50.0000	47.5105	
	59 tert-Amyl Ethylether	59	4.562	4.562	(1.047)	845620	50.0000	49.0813	
	60 Dibromomethane	93	4.712	4.712	(1.082)	261698	50.0000	47.9406	
	61 1,2-Dichloropropane	63	4.770	4.770	(1.095)	295339	50.0000	48.1618	
	62 Bromodichloromethane	83	4.793	4.793	(1.100)	588585	50.0000	49.6193	
	63 Methyl methacrylate	41	4.854	4.854	(1.114)	339705	50.0000	49.5368	
	64 1,4-Dioxane	88	4.906	4.906	(1.126)	151922	1250.00	1242.19(A)	
	65 2-Chloroethylvinyl ether	63	5.115	5.115	(1.174)	204290	50.0000	48.1993	
	66 cis-1,3-Dichloropropene	75	5.181	5.181	(0.814)	642709	50.0000	50.4366	
	67 Octane	85	5.196	5.196	(0.816)	215318	50.0000	51.0380	
$	68 Toluene-d8	98	5.309	5.309	(0.834)	903769	30.0000	30.2772	
	69 Toluene	92	5.343	5.343	(0.839)	919705	50.0000	47.4632	
	70 Chloroacetonitrile	75	5.381	5.381	(0.845)	140257	250.000	259.872(A)	
	71 2-Nitropropane	41	5.474	5.474	(0.860)	826291	250.000	268.257(A)	
	72 1,1-Dichloro-2-Propanone	63	5.497	5.497	(0.864)	72296	250.000	274.055(A)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.555	5.555	(0.873)	1737995	250.000	255.827(A)	
	75 trans-1,3-Dichloropropene	75	5.592	5.592	(0.879)	669367	50.0000	49.7678	
	74 Tetrachloroethene	164	5.607	5.607	(0.881)	369153	50.0000	48.2512	

Data File: 2324070107.D Page 3
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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
76	Ethyl Methacrylate	69	5.668	5.668	(0.890)	543394	50.0000	50.9754	
77	1,1,2-Trichloroethane	83	5.705	5.705	(0.896)	286544	50.0000	48.7006	
78	Chlorodibromomethane	129	5.841	5.841	(0.918)	514122	50.0000	51.0399	
79	1,3-Dichloropropane	76	5.899	5.899	(0.927)	612080	50.0000	48.8837	
80	1,2-Dibromoethane	107	6.021	6.021	(0.946)	408068	50.0000	49.0339	
81	2-Hexanone	43	6.116	6.116	(0.961)	1275921	250.000	260.077(A)	
82	1-Chlorohexane	91	6.336	6.336	(0.995)	472203	50.0000	48.5640	
* 83	Chlorobenzene-d5	82	6.365	6.365	(1.000)	382413	30.0000		
84	Chlorobenzene	112	6.380	6.380	(1.002)	1069093	50.0000	48.5415	
85	Ethylbenzene	106	6.380	6.380	(1.002)	554904	50.0000	48.7356	
86	1,1,1,2-Tetrachloroethane	131	6.412	6.412	(1.007)	443164	50.0000	49.6485	
87	mp-Xylene	106	6.481	6.481	(1.018)	1375961	100.000	98.7285	
88	o-Xylene	106	6.803	6.803	(1.069)	681131	50.0000	49.4416	
89	Styrene	104	6.837	6.837	(0.839)	1167141	50.0000	52.2996	
90	Bromoform	173	6.872	6.872	(0.844)	373013	50.0000	50.9386	
91	Isopropylbenzene	105	7.031	7.031	(0.863)	1634679	50.0000	49.1855	
M 100	1,2-Dichloroethene, Total	61				943537	100.000	98.2164	
$ 92	4-Bromofluorobenzene	174	7.260	7.260	(0.891)	328173	30.0000	30.4339	
93	Bromobenzene	156	7.353	7.353	(0.903)	487953	50.0000	49.4502	
94	n-Propylbenzene	120	7.350	7.350	(0.902)	478297	50.0000	48.9964	
95	1,1,2,2-Tetrachloroethane	83	7.387	7.387	(0.907)	477745	50.0000	49.9372	
96	o-Chlorotoluene	91	7.486	7.486	(0.919)	1418793	50.0000	48.3680	
97	1,3,5-Trimethylbenzene	105	7.494	7.494	(0.920)	1536165	50.0000	49.9221	
98	1,2,3-Trichloropropane	110	7.506	7.506	(0.921)	203015	50.0000	50.1244	
99	trans-1,4-Dichloro-2-butene	53	7.529	7.529	(0.924)	178311	50.0000	52.9299	
101	p-Chlorotoluene	91	7.613	7.613	(0.935)	1304083	50.0000	48.9648	
102	tert-Butylbenzene	134	7.755	7.755	(0.952)	366312	50.0000	50.6849	
103	Pentachloroethane	117	7.781	7.781	(0.955)	328072	50.0000	50.0315(M)	MP
104	1,2,4-Trimethylbenzene	105	7.807	7.807	(0.958)	1567245	50.0000	49.4597	
105	sec-Butylbenzene	105	7.897	7.897	(0.969)	1803309	50.0000	49.7883	
106	p-Isopropyltoluene	134	8.007	8.007	(0.983)	424947	50.0000	50.2310	
107	1,3-Dichlorobenzene	146	8.088	8.088	(0.993)	883799	50.0000	48.5542	
* 108	1,4-Dichlorobenzene-d4	152	8.146	8.146	(1.000)	389766	30.0000		
109	1,4-Dichlorobenzene	146	8.158	8.158	(1.001)	894937	50.0000	48.4535	
110	Benzyl Chloride	126	8.349	8.349	(1.025)	208332	50.0000	51.1600	
111	n-Butylbenzene	134	8.354	8.354	(1.026)	385779	50.0000	50.9117	
112	Hexachloroethane	117	8.490	8.490	(1.042)	315283	50.0000	50.2240	
113	1,2-Dichlorobenzene	146	8.505	8.505	(1.044)	864628	50.0000	48.6225	
114	1,2-Dibromo-3-chloropropane	75	9.168	9.168	(1.125)	137832	50.0000	51.8436	
115	Nitrobenzene	77	9.640	9.640	(1.183)	537163	500.000	483.375(A)	
116	Hexachlorobutadiene	225	9.718	9.718	(1.193)	262325	50.0000	50.7311	
M 120	1,3-Dichloropropene, Total	75				1312076	100.000	100.204	
117	1,2,4-Trichlorobenzene	180	9.744	9.744	(1.196)	583321	50.0000	51.2922	
M 121	Total Xylenes	106				2057092	150.000	148.170	
118	Naphthalene	128	10.011	10.011	(1.229)	1709534	50.0000	53.3317	
119	1,2,3-Trichlorobenzene	180	10.164	10.164	(1.248)	586388	50.0000	49.5162(H)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

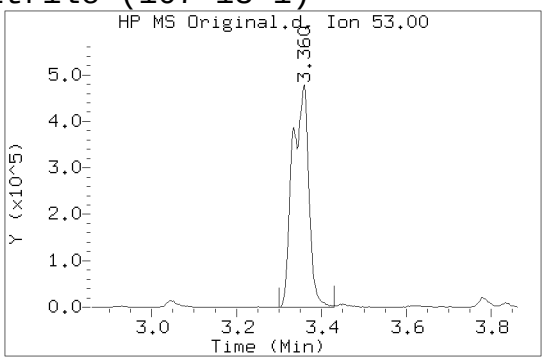

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane+
-Dichlorofluoromethane
-Ethyl Ether
-1,1-Dichloroethene+
-Iodomethane
-Acrolein
-Isopropyl Alcohol+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile+
-Chloroprene+
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Methyl acrylate+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene+
-Heptane
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-Fluorobenzene+
-Trichloroethene+
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-1,2-Dichloropropane+
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-2-Nitropropane+
-4-Methyl-2-Pentanone(MIBK
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-Ethyl Methacrylate
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-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-Tetrachloroethene
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-o-Xylene
-Isopropylbenzene
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-tert-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
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-Hexachloroethane+
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-Total Xylenes
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-1,2,4-Trichlorobenzene
-Naphthalene
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Page 1

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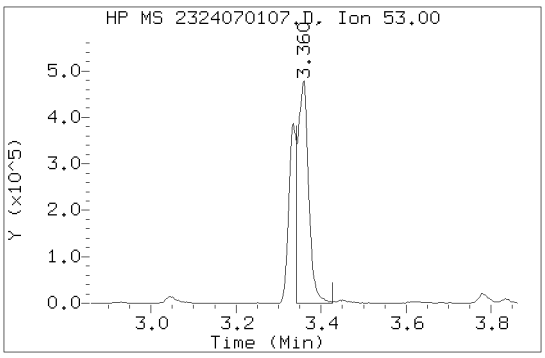
Acrylonitrile (107-13-1)

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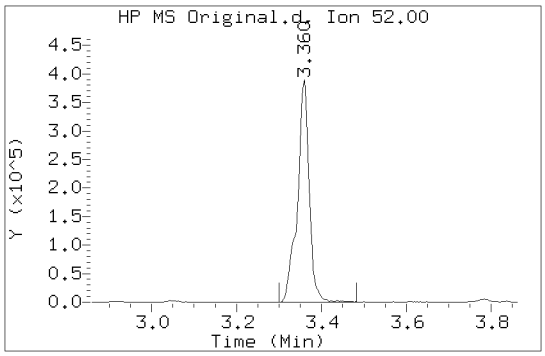
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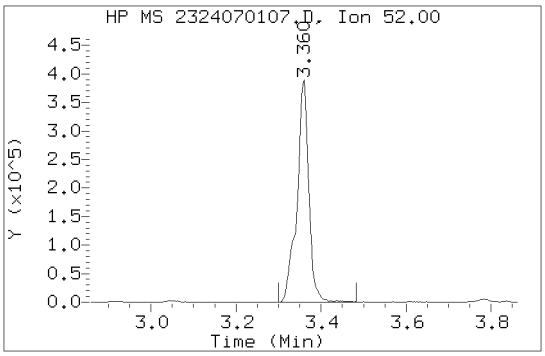
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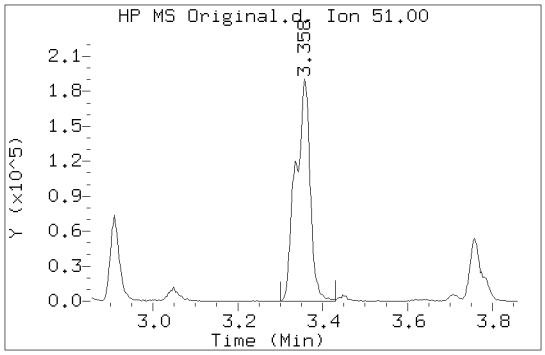
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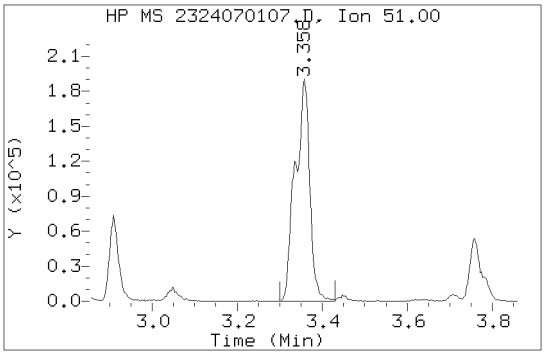
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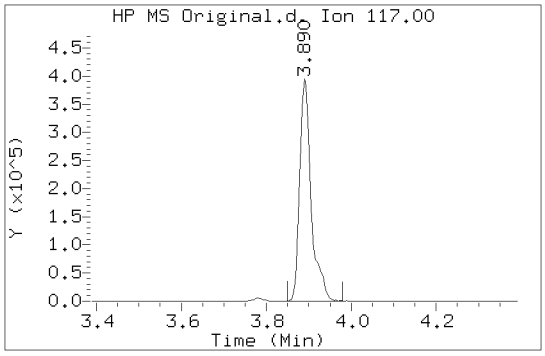
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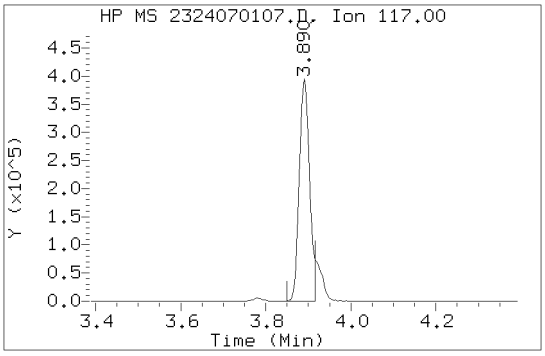
Carbon Tetrachloride (56-23-5)

Reason Code: MP

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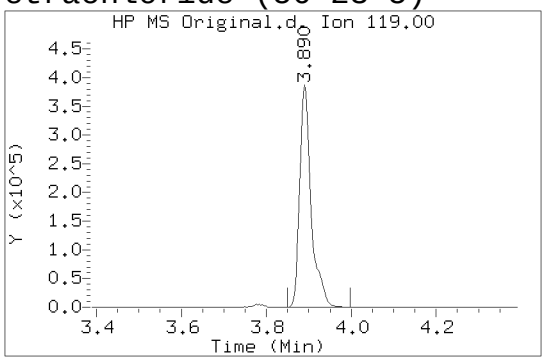


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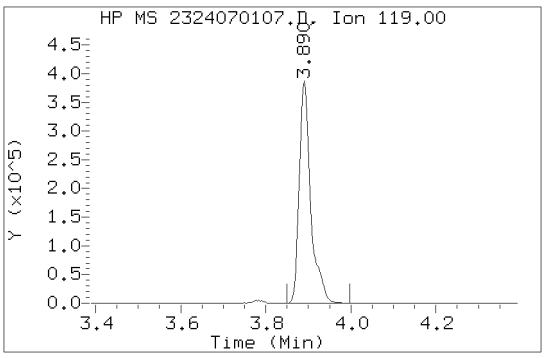
Carbon Tetrachloride (56-23-5)

Reason Code: MP

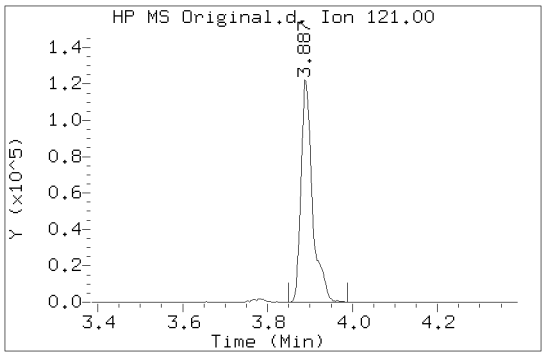
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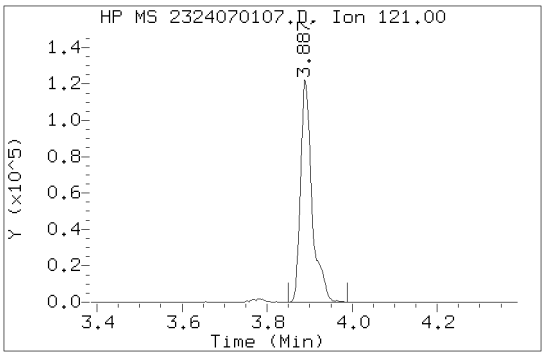
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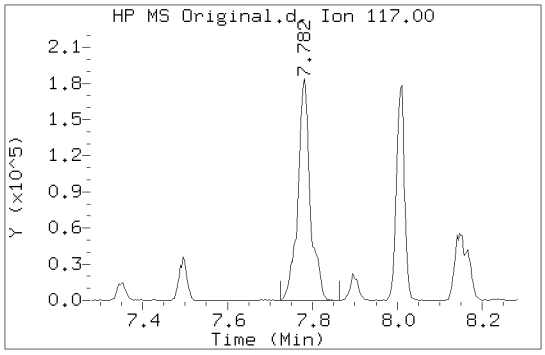
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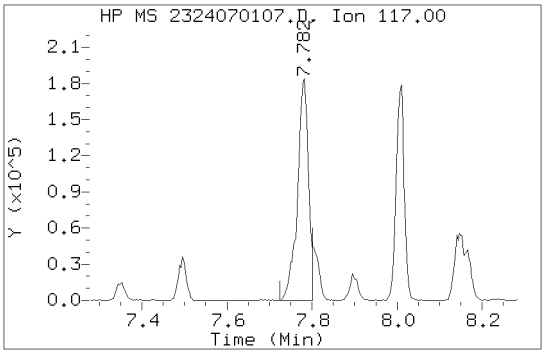
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Reason Code: MP

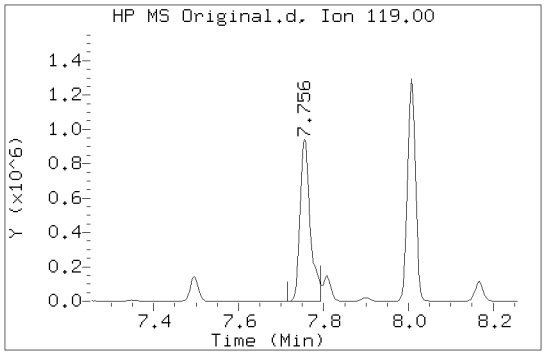
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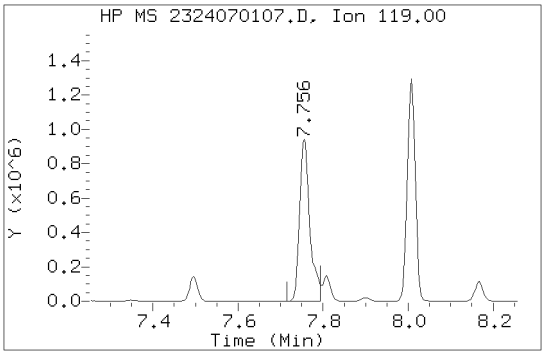
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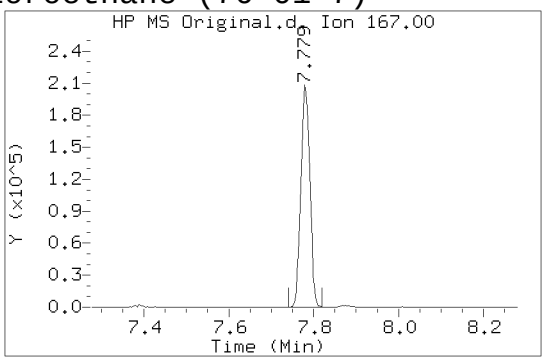
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Pentachloroethane (76-01-7)

Reason Code: MP

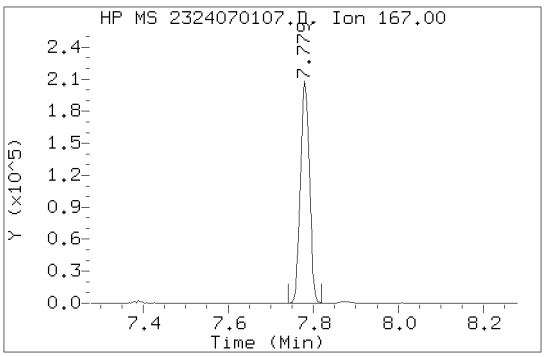
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AFTER

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UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 12:01
Client ID:
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Inj Date: 01-JUL-2024 11:50
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2324070108.D Page 1
Report Date: 02-Jul-2024 12:01

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\2324070108.D
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Cal Date : 01-JUL-2024 12:09 Cal File: 2324070108.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.632	1.632	(0.375)	1174502	100.000	99.8423	
2	Chloromethane	50	1.785	1.785	(0.410)	684676	100.000	94.8112	
3	Vinyl Chloride	62	1.849	1.849	(0.424)	733978	100.000	98.3671	
4	Bromomethane	94	2.072	2.072	(0.476)	575407	100.000	101.996	
5	Chloroethane	64	2.144	2.144	(0.492)	411696	100.000	96.6261	
6	Pentane	41	2.243	2.243	(0.515)	459646	100.000	103.888	
7	Trichlorofluoromethane	101	2.245	2.245	(0.516)	1579474	100.000	101.453	
8	Dichlorofluoromethane	67	2.277	2.277	(0.523)	1505127	100.000	101.194	
9	Ethyl Ether	74	2.439	2.439	(0.560)	444517	100.000	104.055	
10	1,1-Dichloroethene	61	2.576	2.576	(0.591)	1035721	100.000	103.022	
11	Freon 113	101	2.590	2.590	(0.595)	680318	100.000	103.867	
12	Carbon Disulfide	76	2.616	2.616	(0.601)	1963767	100.000	104.759	
13	Iodomethane	127	2.677	2.677	(0.615)	437254	100.000	102.970	
14	Acrolein	56	2.761	2.761	(0.634)	643243	500.000	511.013(A)	
15	Isopropyl Alcohol	45	2.827	2.827	(0.649)	257152	500.000	501.098(A)	
16	3-Chloro-1-propene	41	2.848	2.848	(0.654)	757566	100.000	107.839	
17	Methylene Chloride	84	2.908	2.908	(0.668)	729712	100.000	96.3089	
18	Acetone	58	2.920	2.920	(0.670)	349876	500.000	476.167(A)	
19	Methyl acetate	74	2.981	2.981	(0.684)	153072	100.000	100.645	
20	trans-1,2-Dichloroethene	61	3.004	3.004	(0.690)	961303	100.000	104.808	
21	Hexane	57	3.045	3.045	(0.699)	1247616	100.000	100.175	

Data File: 2324070108.D
Report Date: 02-Jul-2024 12:01

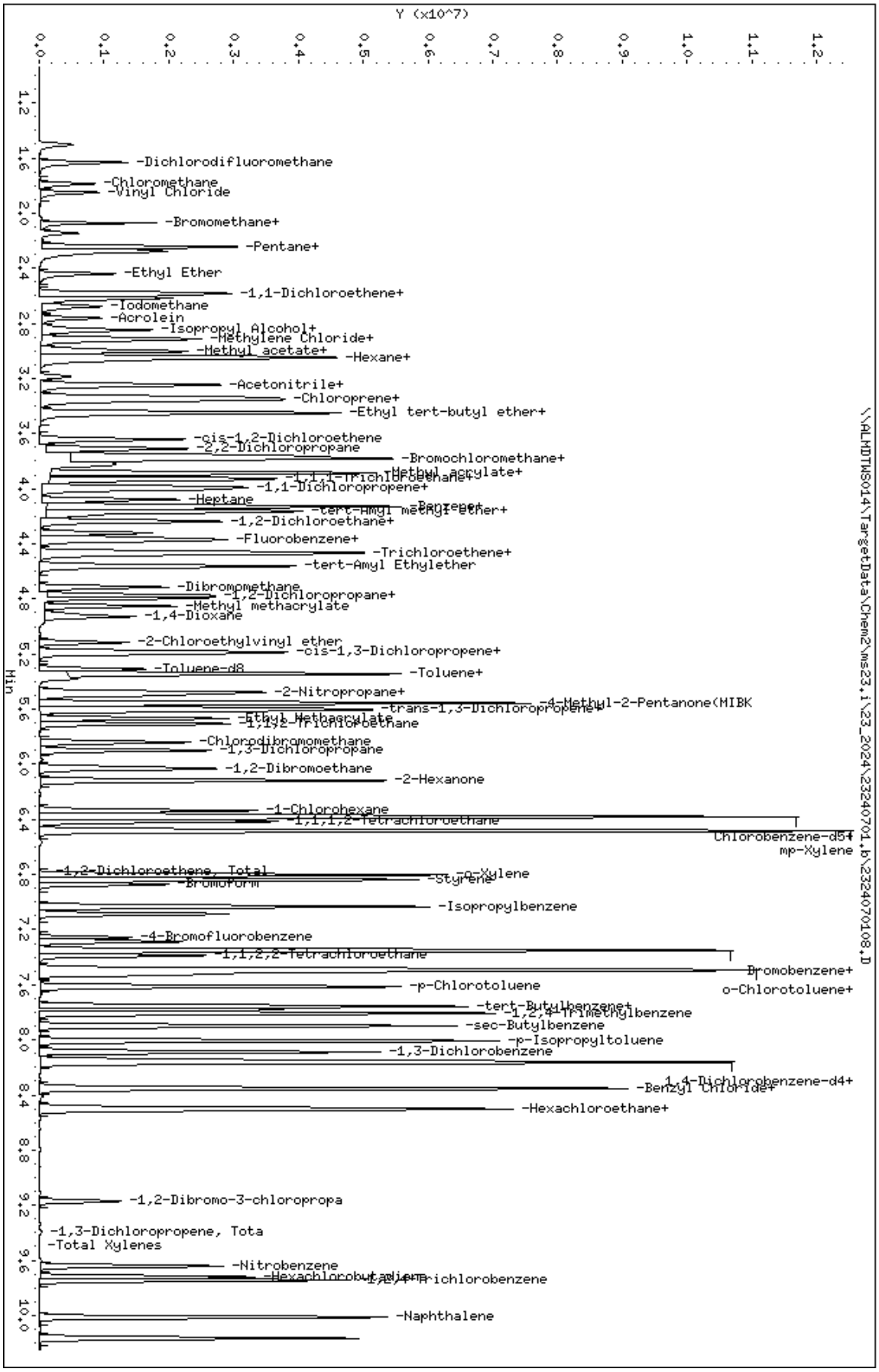
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	3.050	3.050	(0.700)	2578573	100.000	100.705	
	23 tert.- Butyl Alcohol	59	3.071	3.071	(0.705)	560414	500.000	499.437(A)	
	24 Acetonitrile	41	3.186	3.186	(0.732)	383872	500.000	475.533(A)	
	25 Diisopropyl ether	45	3.244	3.244	(0.745)	1758579	100.000	101.928	
	26 Chloroprene	53	3.334	3.334	(0.765)	1166321	100.000	108.287	
	27 1,1-Dichloroethane	63	3.346	3.346	(0.768)	1246756	100.000	102.388	
	28 Acrylonitrile	53	3.357	3.357	(0.771)	1538130	500.000	498.942(AQM)	H
	29 Ethyl tert-butyl ether	59	3.447	3.447	(0.791)	2393510	100.000	104.961	
	30 n-Propanol	41	3.447	3.447	(0.791)	425081	1000.00	989.175(A)	
	31 Vinyl Acetate	86	3.450	3.450	(0.792)	206197	100.000	109.160(Q)	
	32 cis-1,2-Dichloroethene	61	3.641	3.641	(0.836)	991312	100.000	100.507	
	33 2,2-Dichloropropane	77	3.711	3.711	(0.852)	1331947	100.000	103.074	
	34 Bromochloromethane	128	3.757	3.757	(0.862)	434792	100.000	101.444	
	35 Cyclohexane	84	3.783	3.783	(0.868)	1071421	100.000	102.856	
	36 Chloroform	83	3.780	3.780	(0.868)	1616121	100.000	101.985	
	37 Ethyl Acetate	43	3.815	3.815	(0.876)	735482	100.000	98.9772	
	38 Methyl acrylate	55	3.832	3.832	(0.880)	726081	100.000	106.959	
	39 Carbon Tetrachloride	117	3.890	3.890	(0.893)	1405490	100.000	109.239(M)	MP
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	238494	30.0000	29.4024	
	40 Tetrahydrofuran	42	3.881	3.881	(0.891)	978046	500.000	520.211(A)	
	42 1,1,1-Trichloroethane	97	3.922	3.922	(0.900)	1535282	100.000	104.703	
	43 2-Butanone	72	3.936	3.936	(0.904)	533122	500.000	494.309(A)	
	44 1,1-Dichloropropene	75	3.988	3.988	(0.916)	1093265	100.000	103.155	
	45 1-Chlorobutane	41	4.006	4.006	(0.920)	685491	100.000	99.5740	
	46 Heptane	71	4.081	4.081	(0.937)	468560	100.000	99.4242	
	47 Benzene	78	4.127	4.127	(0.947)	2782227	100.000	101.580	
	48 Propionitrile	54	4.113	4.113	(0.944)	588214	500.000	507.208(A)	
	49 Methacrylonitrile	67	4.130	4.130	(0.948)	351120	100.000	107.423	
	50 tert-Amyl methyl ether	73	4.165	4.165	(0.956)	2385412	100.000	103.426	
	54 Isobutyl alcohol	42	4.168	4.168	(0.957)	233652	1000.00	1090.85(A)	
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	333440	30.0000	29.1743	
	52 1,2-Dichloroethane	62	4.235	4.235	(0.972)	1348743	100.000	98.8760	
	53 tert-Amyl Alcohol	59	4.237	4.237	(0.973)	413469	500.000	500.597(A)	
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	825447	30.0000		
	56 Diisobutylene	57	4.374	4.374	(1.004)	1388062	100.000	101.202	
	57 Trichloroethene	95	4.460	4.460	(1.024)	828110	100.000	102.104	
	58 Methyl cyclohexane	83	4.472	4.472	(0.703)	1146546	100.000	102.839	
	59 tert-Amyl Ethylether	59	4.562	4.562	(1.047)	1761169	100.000	103.209	
	60 Dibromomethane	93	4.715	4.715	(1.082)	547513	100.000	101.269	
	61 1,2-Dichloropropane	63	4.773	4.773	(1.096)	618781	100.000	101.882	
	62 Bromodichloromethane	83	4.793	4.793	(1.100)	1239298	100.000	105.486	
	63 Methyl methacrylate	41	4.854	4.854	(1.114)	695249	100.000	102.363	
	64 1,4-Dioxane	88	4.903	4.903	(1.126)	296833	2500.00	2450.51(A)	
	65 2-Chloroethylvinyl ether	63	5.115	5.115	(1.174)	457138	100.000	102.328	
	66 cis-1,3-Dichloropropene	75	5.181	5.181	(0.814)	1324338	100.000	106.409	
	67 Octane	85	5.196	5.196	(0.816)	453836	100.000	110.144	
$	68 Toluene-d8	98	5.309	5.309	(0.834)	880018	30.0000	30.1855	
	69 Toluene	92	5.343	5.343	(0.839)	1933830	100.000	102.182	
	70 Chloroacetonitrile	75	5.381	5.381	(0.845)	294938	500.000	559.518(A)	
	71 2-Nitropropane	41	5.477	5.477	(0.860)	1694782	500.000	563.352(A)	
	72 1,1-Dichloro-2-Propanone	63	5.497	5.497	(0.864)	144634	500.000	561.360(AQ)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.555	5.555	(0.873)	3498623	500.000	527.282(A)	
	75 trans-1,3-Dichloropropene	75	5.592	5.592	(0.879)	1392377	100.000	105.996	
	74 Tetrachloroethene	164	5.610	5.610	(0.881)	778392	100.000	104.171	

Data File: 2324070108.D Page 3
Report Date: 02-Jul-2024 12:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.668	5.668	(0.890)	1135286	100.000	109.043	
	77 1,1,2-Trichloroethane	83	5.705	5.705	(0.896)	588606	100.000	102.427	
	78 Chlorodibromomethane	129	5.841	5.841	(0.918)	1068570	100.000	108.616	
	79 1,3-Dichloropropane	76	5.899	5.899	(0.927)	1260404	100.000	103.066	
	80 1,2-Dibromoethane	107	6.021	6.021	(0.946)	859143	100.000	105.701	
	81 2-Hexanone	43	6.117	6.117	(0.961)	2572045	500.000	536.790(A)	
	82 1-Chlorohexane	91	6.337	6.337	(0.995)	1021945	100.000	107.612	
*	83 Chlorobenzene-d5	82	6.366	6.366	(1.000)	373495	30.0000		
	84 Chlorobenzene	112	6.380	6.380	(1.002)	2236031	100.000	103.950	
	85 Ethylbenzene	106	6.380	6.380	(1.002)	1164931	100.000	104.755	
	86 1,1,1,2-Tetrachloroethane	131	6.415	6.415	(1.008)	925113	100.000	106.117	
	87 mp-Xylene	106	6.481	6.481	(1.018)	2888051	200.000	212.173(A)	
	88 o-Xylene	106	6.803	6.803	(1.069)	1432755	100.000	106.483	
	89 Styrene	104	6.837	6.837	(0.840)	2403372	100.000	108.594	
	90 Bromoform	173	6.872	6.872	(0.844)	779079	100.000	107.279	
	91 Isopropylbenzene	105	7.034	7.034	(0.864)	3470376	100.000	105.291	
M	100 1,2-Dichloroethene, Total	61				1952615	200.000	205.315	
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	332472	30.0000	31.0899	
	93 Bromobenzene	156	7.350	7.350	(0.903)	1034177	100.000	105.680	
	94 n-Propylbenzene	120	7.350	7.350	(0.903)	1013840	100.000	104.724	
	95 1,1,2,2-Tetrachloroethane	83	7.388	7.388	(0.907)	974213	100.000	102.681	
	96 o-Chlorotoluene	91	7.486	7.486	(0.919)	2985169	100.000	102.617	
	97 1,3,5-Trimethylbenzene	105	7.495	7.495	(0.920)	3210630	100.000	105.209	
	98 1,2,3-Trichloropropane	110	7.506	7.506	(0.922)	407067	100.000	101.344	
	99 trans-1,4-Dichloro-2-butene	53	7.529	7.529	(0.925)	376869	100.000	112.804	
	101 p-Chlorotoluene	91	7.613	7.613	(0.935)	2773996	100.000	105.025	
	102 tert-Butylbenzene	134	7.755	7.755	(0.952)	756929	100.000	105.607	
	103 Pentachloroethane	117	7.778	7.778	(0.955)	686948	100.000	105.635(M)	MP
	104 1,2,4-Trimethylbenzene	105	7.807	7.807	(0.959)	3281029	100.000	104.408	
	105 sec-Butylbenzene	105	7.897	7.897	(0.970)	3779605	100.000	105.224	
	106 p-Isopropyltoluene	134	8.007	8.007	(0.983)	896838	100.000	106.896	
	107 1,3-Dichlorobenzene	146	8.088	8.088	(0.993)	1868590	100.000	103.513	
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	386540	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	8.158	8.158	(1.002)	1892312	100.000	103.308	
	110 Benzyl Chloride	126	8.349	8.349	(1.025)	444007	100.000	109.945(Q)	
	111 n-Butylbenzene	134	8.358	8.358	(1.026)	813588	100.000	108.266	
	112 Hexachloroethane	117	8.494	8.494	(1.043)	673391	100.000	108.165	
	113 1,2-Dichlorobenzene	146	8.505	8.505	(1.044)	1816045	100.000	102.978	
	114 1,2-Dibromo-3-chloropropane	75	9.171	9.171	(1.126)	281149	100.000	106.633	
	115 Nitrobenzene	77	9.643	9.643	(1.184)	1173445	1000.00	1022.00(A)	
	116 Hexachlorobutadiene	225	9.718	9.718	(1.193)	523896	100.000	102.162	
M	120 1,3-Dichloropropene, Total	75				2716715	200.000	212.405	
	117 1,2,4-Trichlorobenzene	180	9.744	9.744	(1.197)	1209586	100.000	107.248	
M	121 Total Xylenes	106				4320806	300.000	318.656	
	118 Naphthalene	128	10.014	10.014	(1.230)	3503244	100.000	110.202	
	119 1,2,3-Trichlorobenzene	180	10.164	10.164	(1.248)	1230094	100.000	104.739	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

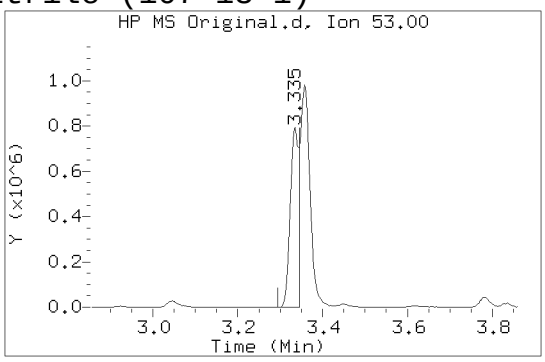

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-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane+
-Pentane+
-Ethyl Ether
-1,1-Dichloroethene+
-Iodomethane
-Acrolein
-Isopropyl Alcohol+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile+
-Chloroprene+
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene+
-Heptane
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-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
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-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
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-Toluene+
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-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
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-Styrene
-Bromoform
-Isopropylbenzene
-4-Bromofluorobenzene
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1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-Hexachloroethane+
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-Naphthalene
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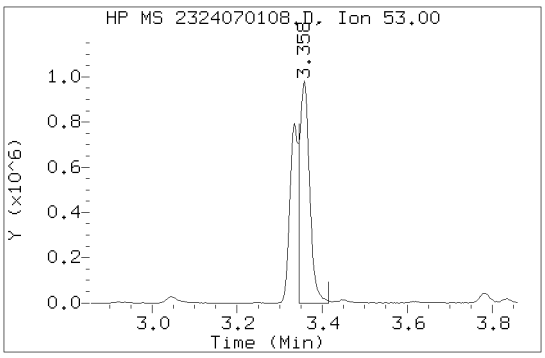
Acrylonitrile (107-13-1)

Reason Code: H

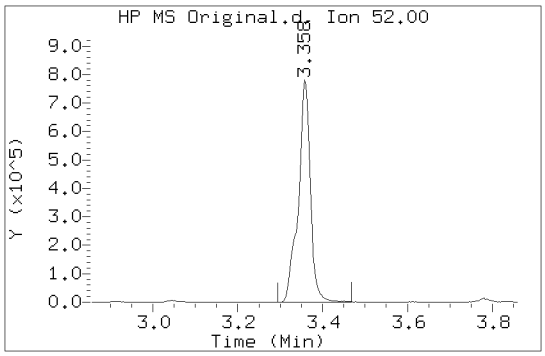
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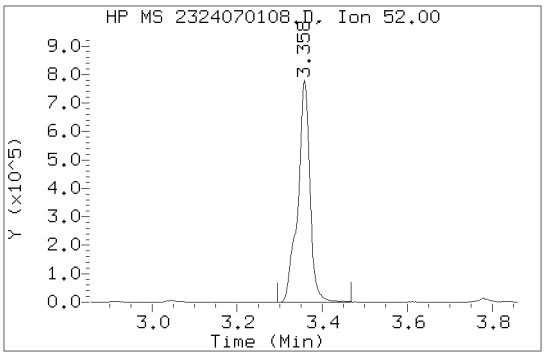
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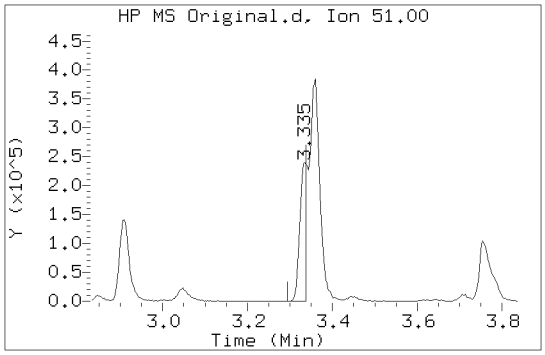
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01-Jul-2024
13:25



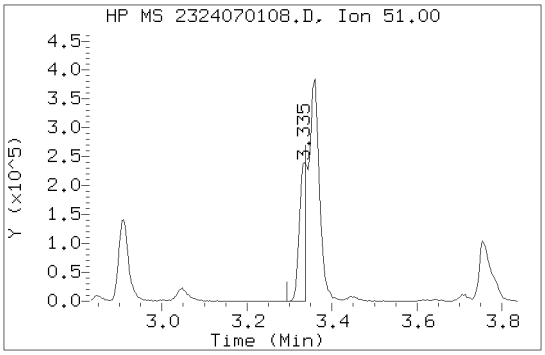
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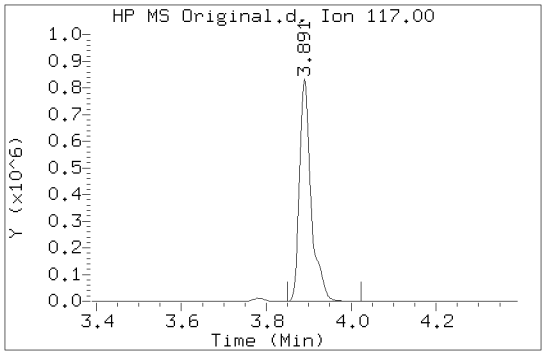
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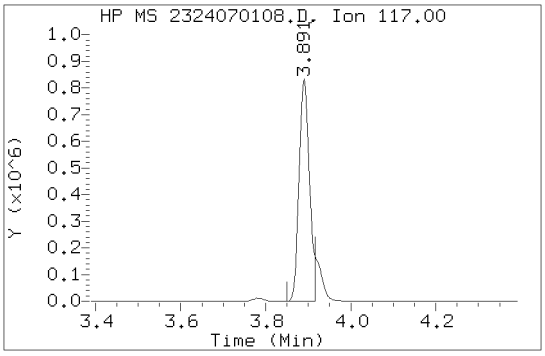
Carbon Tetrachloride (56-23-5)

Reason Code: MP

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AFTER
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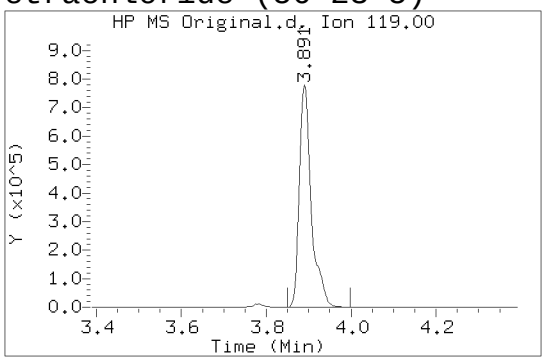


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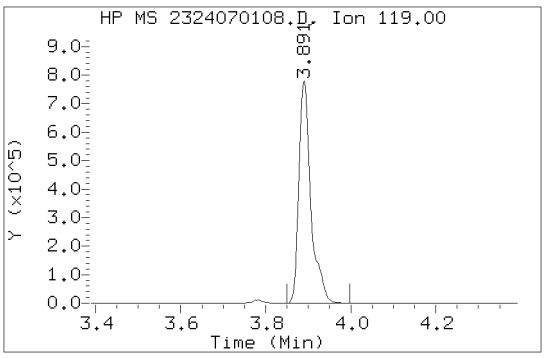
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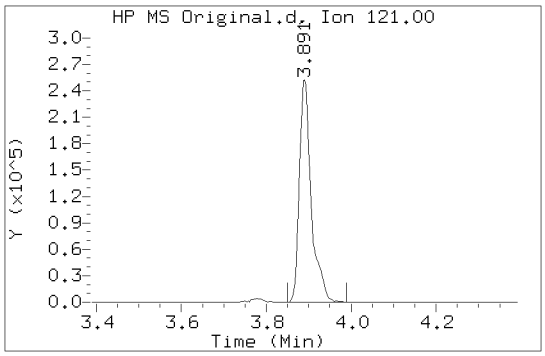
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13:25



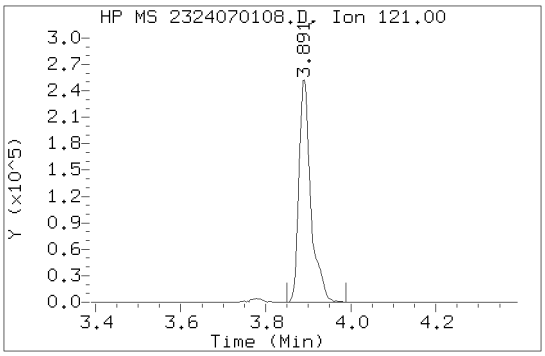
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BEFORE
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01-Jul-2024
13:25



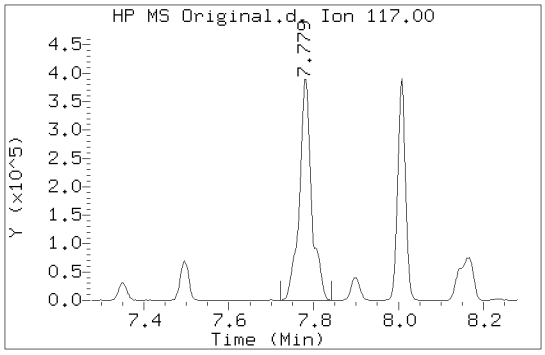
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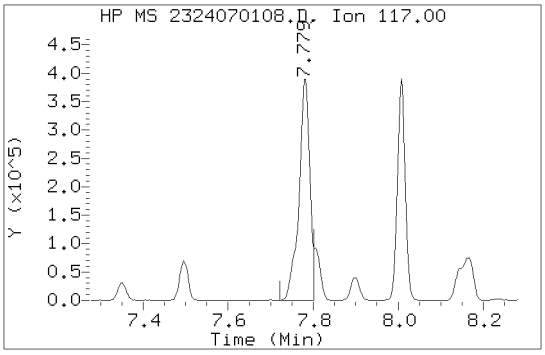
Pentachloroethane (76-01-7)

Reason Code: MP

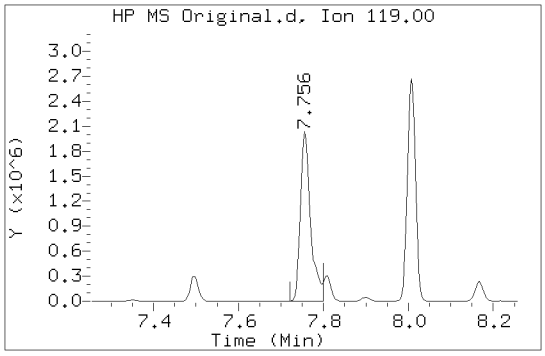
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01-Jul-2024
13:25



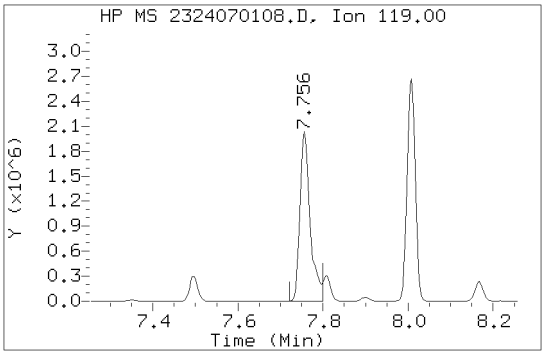
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12:01



BEFORE
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AREA
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HEIGHT
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13:25



AFTER
MASS
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AREA
3369572
HEIGHT
2036354
02-Jul-2024
12:01



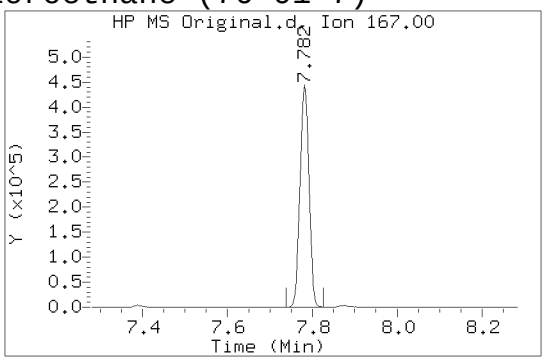
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Pentachloroethane (76-01-7)

Reason Code: MP

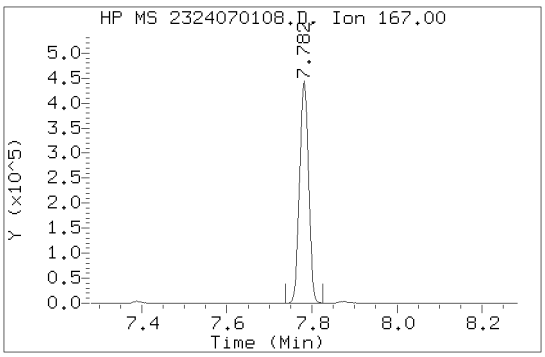
BEFORE

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01-Jul-2024
13:25



AFTER

MASS
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HEIGHT
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02-Jul-2024
12:01



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 12:01
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240701.b/2324070108
Inj Date: 01-JUL-2024 12:09
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2324070109.D Page 1
Report Date: 02-Jul-2024 12:01

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\2324070109.D
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Inj Date : 01-JUL-2024 12:29
Operator : TMP Inst ID: ms23.i
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Comment :
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Meth Date : 02-Jul-2024 03:54 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 12:29 Cal File: 2324070109.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.632	1.632	(0.375)	2328944	200.000	200.831(A)	
2 Chloromethane	50	1.785	1.785	(0.410)	1367880	200.000	192.147	
3 Vinyl Chloride	62	1.849	1.849	(0.425)	1486294	200.000	202.060(A)	
4 Bromomethane	94	2.072	2.072	(0.476)	1113454	200.000	200.211(A)	
5 Chloroethane	64	2.138	2.138	(0.491)	853862	200.000	203.290(A)	
6 Pentane	41	2.234	2.234	(0.513)	865818	200.000	198.509	
7 Trichlorofluoromethane	101	2.243	2.243	(0.515)	3071609	200.000	200.137(A)	
8 Dichlorofluoromethane	67	2.274	2.274	(0.523)	2960795	200.000	201.930(A)	
9 Ethyl Ether	74	2.439	2.439	(0.560)	890925	200.000	211.555(A)	
10 1,1-Dichloroethene	61	2.575	2.575	(0.592)	2041252	200.000	205.965(A)	
11 Freon 113	101	2.590	2.590	(0.595)	1368096	200.000	211.880(A)	
12 Carbon Disulfide	76	2.616	2.616	(0.601)	3903461	200.000	211.232(A)	
13 Iodomethane	127	2.677	2.677	(0.615)	938616	200.000	199.533	
14 Acrolein	56	2.761	2.761	(0.634)	1259932	1000.00	1015.35(A)	
15 Isopropyl Alcohol	45	2.830	2.830	(0.650)	518942	1000.00	999.739(A)	
16 3-Chloro-1-propene	41	2.848	2.848	(0.654)	1409125	200.000	203.477(A)	
17 Methylene Chloride	84	2.908	2.908	(0.668)	1452529	200.000	194.469	
18 Acetone	58	2.920	2.920	(0.671)	684837	1000.00	945.458(A)	
19 Methyl acetate	74	2.984	2.984	(0.685)	299459	200.000	199.730(Q)	
20 trans-1,2-Dichloroethene	61	3.001	3.001	(0.689)	1900547	200.000	210.196(A)	
21 Hexane	57	3.045	3.045	(0.699)	2464786	200.000	200.755(A)	

Data File: 2324070109.D
Report Date: 02-Jul-2024 12:01

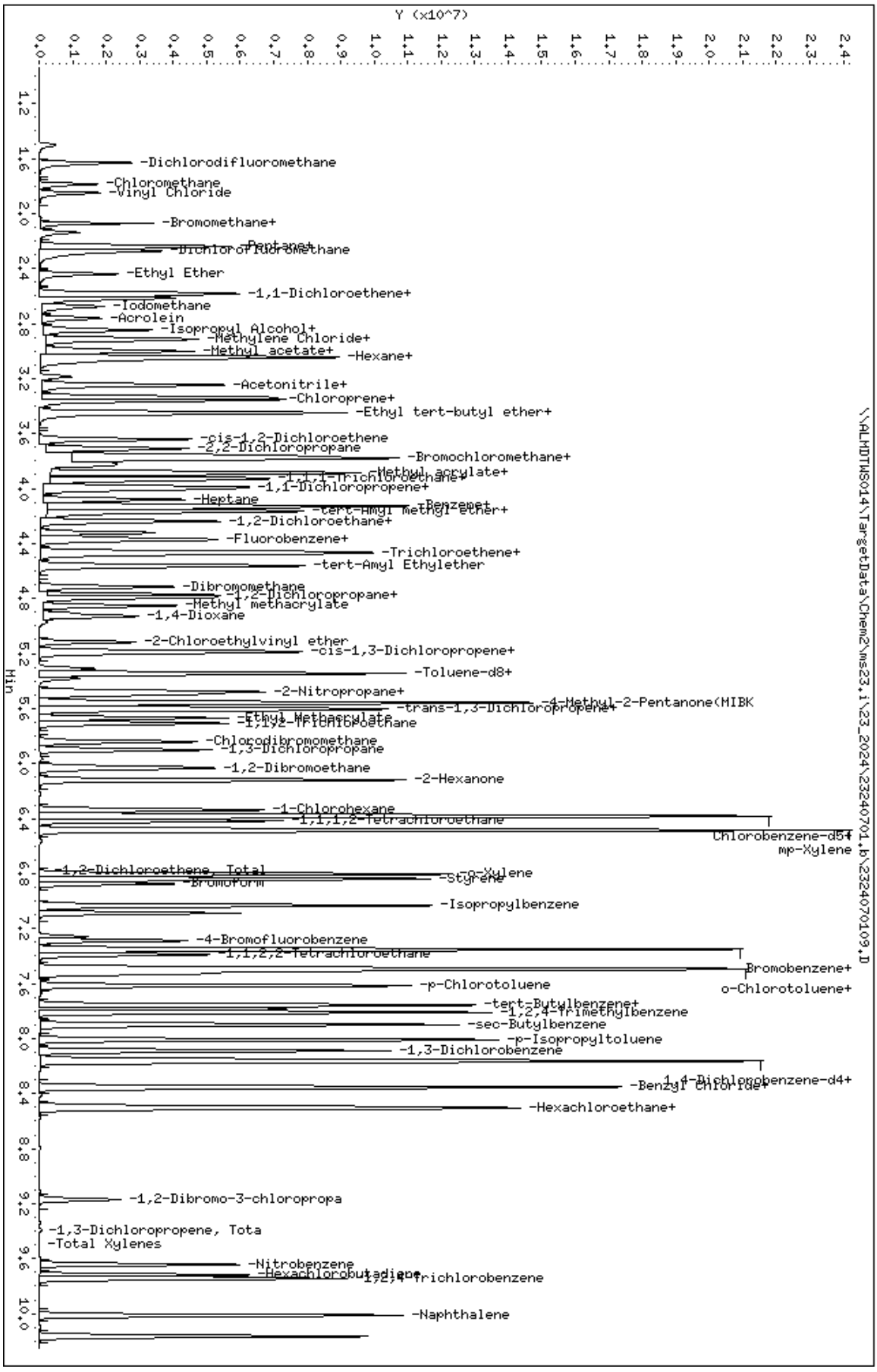
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	3.047	3.047	(0.700)	5103260	200.000	202.175(A)	
	23 tert.- Butyl Alcohol	59	3.073	3.073	(0.706)	1126295	1000.00	1018.20(A)	
	24 Acetonitrile	41	3.186	3.186	(0.732)	770229	1000.00	967.885(A)	
	25 Diisopropyl ether	45	3.247	3.247	(0.746)	3499081	200.000	205.729(A)	
	26 Chloroprene	53	3.334	3.334	(0.766)	2308359	200.000	217.405(A)	
	27 1,1-Dichloroethane	63	3.346	3.346	(0.769)	2494237	200.000	207.786(A)	
	28 Acrylonitrile	53	3.357	3.357	(0.771)	2971804	1000.00	977.884(AH)	
	29 Ethyl tert-butyl ether	59	3.447	3.447	(0.792)	4722740	200.000	210.085(A)	
	30 n-Propanol	41	3.447	3.447	(0.792)	851800	2000.00	2010.71(A)	
	31 Vinyl Acetate	86	3.450	3.450	(0.793)	408369	200.000	219.303(AQ)	
	32 cis-1,2-Dichloroethene	61	3.641	3.641	(0.836)	1977622	200.000	203.394(A)	
	33 2,2-Dichloropropane	77	3.708	3.708	(0.852)	2620520	200.000	205.711(A)	
	34 Bromochloromethane	128	3.757	3.757	(0.863)	851743	200.000	201.587(A)	
	35 Cyclohexane	84	3.780	3.780	(0.868)	2120357	200.000	206.484(A)	
	36 Chloroform	83	3.780	3.780	(0.868)	3185143	200.000	203.892(A)	
	37 Ethyl Acetate	43	3.815	3.815	(0.876)	1407390	200.000	192.127	
	38 Methyl acrylate	55	3.832	3.832	(0.880)	1440614	200.000	215.274(A)	
	39 Carbon Tetrachloride	117	3.890	3.890	(0.894)	2738400	200.000	215.901(AM)	MP
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	240913	30.0000	30.1284	
	40 Tetrahydrofuran	42	3.881	3.881	(0.892)	1865243	1000.00	1006.39(A)	
	42 1,1,1-Trichloroethane	97	3.922	3.922	(0.901)	2997814	200.000	207.388(A)	
	43 2-Butanone	72	3.939	3.939	(0.905)	1062524	1000.00	999.358(A)	
	44 1,1-Dichloropropene	75	3.988	3.988	(0.916)	2157066	200.000	206.461(A)	
	45 1-Chlorobutane	41	4.006	4.006	(0.920)	1369041	200.000	201.730(A)	
	46 Heptane	71	4.078	4.078	(0.937)	934555	200.000	201.160(A)	
	47 Benzene	78	4.130	4.130	(0.949)	5483139	200.000	203.074(A)	
	48 Propionitrile	54	4.113	4.113	(0.945)	1169294	1000.00	1022.79(A)	
	49 Methacrylonitrile	67	4.127	4.127	(0.948)	678858	200.000	210.683(A)	
	50 tert-Amyl methyl ether	73	4.162	4.162	(0.956)	4691042	200.000	206.322(A)	
	54 Isobutyl alcohol	42	4.171	4.171	(0.958)	478525	2000.00	2266.26(AQ)	
$	51 1,2-Dichloroethane-d4	65	4.194	4.194	(0.963)	329558	30.0000	29.2499	
	52 1,2-Dichloroethane	62	4.237	4.237	(0.973)	2651070	200.000	197.148	
	53 tert-Amyl Alcohol	59	4.240	4.240	(0.974)	843682	1000.00	1036.18(A)	
*	55 Fluorobenzene	96	4.353	4.353	(1.000)	813728	30.0000		
	56 Diisobutylene	57	4.374	4.374	(1.005)	2769852	200.000	199.790	
	57 Trichloroethene	95	4.457	4.457	(1.024)	1650818	200.000	206.474(A)	
	58 Methyl cyclohexane	83	4.472	4.472	(0.703)	2279968	200.000	197.199	
	59 tert-Amyl Ethylether	59	4.562	4.562	(1.048)	3518620	200.000	209.170(A)	
	60 Dibromomethane	93	4.712	4.712	(1.082)	1110204	200.000	208.302(A)	
	61 1,2-Dichloropropane	63	4.770	4.770	(1.096)	1232055	200.000	205.778(A)	
	62 Bromodichloromethane	83	4.793	4.793	(1.101)	2446156	200.000	211.209(A)	
	63 Methyl methacrylate	41	4.851	4.851	(1.114)	1371339	200.000	204.813(A)	
	64 1,4-Dioxane	88	4.906	4.906	(1.127)	606403	5000.00	5078.26(A)	
	65 2-Chloroethylvinyl ether	63	5.118	5.118	(1.176)	974458	200.000	199.623	
	66 cis-1,3-Dichloropropene	75	5.181	5.181	(0.814)	2657100	200.000	205.873(A)	
	67 Octane	85	5.196	5.196	(0.816)	900624	200.000	210.774(A)	
$	68 Toluene-d8	98	5.309	5.309	(0.834)	913043	30.0000	30.2002	
	69 Toluene	92	5.343	5.343	(0.839)	3839676	200.000	195.642	
	70 Chloroacetonitrile	75	5.381	5.381	(0.845)	578940	1000.00	1059.08(A)	
	71 2-Nitropropane	41	5.477	5.477	(0.860)	3325474	1000.00	1065.93(A)	
	72 1,1-Dichloro-2-Propanone	63	5.500	5.500	(0.864)	284306	1000.00	1064.07(AQ)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.558	5.558	(0.873)	6882042	1000.00	1000.17(A)	
	75 trans-1,3-Dichloropropene	75	5.595	5.595	(0.879)	2772974	200.000	203.558(A)	
	74 Tetrachloroethene	164	5.610	5.610	(0.881)	1512641	200.000	195.208	

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Report Date: 02-Jul-2024 12:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.668	5.668	(0.890)	2252048	200.000	208.585(A)	
	77 1,1,2-Trichloroethane	83	5.705	5.705	(0.896)	1158442	200.000	194.391	
	78 Chlorodibromomethane	129	5.841	5.841	(0.918)	2133755	200.000	209.145(A)	
	79 1,3-Dichloropropane	76	5.899	5.899	(0.927)	2505835	200.000	197.591	
	80 1,2-Dibromoethane	107	6.021	6.021	(0.946)	1709946	200.000	202.864(A)	
	81 2-Hexanone	43	6.119	6.119	(0.961)	5081164	1000.00	1022.59(A)	
	82 1-Chlorohexane	91	6.337	6.337	(0.995)	2046305	200.000	207.786(A)	
*	83 Chlorobenzene-d5	82	6.366	6.366	(1.000)	387323	30.0000		
	84 Chlorobenzene	112	6.380	6.380	(1.002)	4411097	200.000	197.744	
	85 Ethylbenzene	106	6.383	6.383	(1.003)	2326586	200.000	201.747(A)	
	86 1,1,1,2-Tetrachloroethane	131	6.415	6.415	(1.008)	1825480	200.000	201.920(A)	
	87 mp-Xylene	106	6.484	6.484	(1.019)	5657795	400.000	400.814(A)	
	88 o-Xylene	106	6.803	6.803	(1.069)	2878232	200.000	206.275(A)	
	89 Styrene	104	6.837	6.837	(0.839)	4806278	200.000	206.836(A)	
	90 Bromoform	173	6.872	6.872	(0.844)	1567748	200.000	205.608(A)	
	91 Isopropylbenzene	105	7.031	7.031	(0.863)	6815288	200.000	196.938	
M	100 1,2-Dichloroethene, Total	61				3878169	400.000	413.590	
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	345349	30.0000	30.7577	
	93 Bromobenzene	156	7.350	7.350	(0.902)	2058929	200.000	200.389(A)	
	94 n-Propylbenzene	120	7.350	7.350	(0.902)	2046126	200.000	201.299(A)	
	95 1,1,2,2-Tetrachloroethane	83	7.388	7.388	(0.907)	1930924	200.000	193.836	
	96 o-Chlorotoluene	91	7.486	7.486	(0.919)	5945439	200.000	194.655	
	97 1,3,5-Trimethylbenzene	105	7.498	7.498	(0.920)	6271161	200.000	195.724	
	98 1,2,3-Trichloropropane	110	7.509	7.509	(0.922)	800068	200.000	189.710	
	99 trans-1,4-Dichloro-2-butene	53	7.529	7.529	(0.924)	756345	200.000	215.618(A)	
	101 p-Chlorotoluene	91	7.613	7.613	(0.935)	5459113	200.000	196.853	
	102 tert-Butylbenzene	134	7.758	7.758	(0.952)	1512303	200.000	200.959(A)	
	103 Pentachloroethane	117	7.781	7.781	(0.955)	1383678	200.000	202.652(AM)	MP
	104 1,2,4-Trimethylbenzene	105	7.810	7.810	(0.959)	6405544	200.000	194.139	
	105 sec-Butylbenzene	105	7.900	7.900	(0.970)	7331299	200.000	194.393	
	106 p-Isopropyltoluene	134	8.007	8.007	(0.983)	1762820	200.000	200.118(A)	
	107 1,3-Dichlorobenzene	146	8.088	8.088	(0.993)	3687584	200.000	194.562	
*	108 1,4-Dichlorobenzene-d4	152	8.146	8.146	(1.000)	405847	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	8.158	8.158	(1.001)	3727345	200.000	193.809	
	110 Benzyl Chloride	126	8.349	8.349	(1.025)	897290	200.000	211.616(AQ)	
	111 n-Butylbenzene	134	8.358	8.358	(1.026)	1591594	200.000	201.722(A)	
	112 Hexachloroethane	117	8.496	8.496	(1.043)	1338283	200.000	204.739(A)	
	113 1,2-Dichlorobenzene	146	8.505	8.505	(1.044)	3625825	200.000	195.820	
	114 1,2-Dibromo-3-chloropropane	75	9.171	9.171	(1.126)	567313	200.000	204.932(A)	
	115 Nitrobenzene	77	9.643	9.643	(1.184)	2516848	2000.00	1996.07(A)	
	116 Hexachlorobutadiene	225	9.721	9.721	(1.193)	1002611	200.000	186.213	
M	120 1,3-Dichloropropene, Total	75				5430074	400.000	409.431	
	117 1,2,4-Trichlorobenzene	180	9.744	9.744	(1.196)	2375209	200.000	200.580(A)	
M	121 Total Xylenes	106				8536027	600.000	607.089	
	118 Naphthalene	128	10.014	10.014	(1.229)	6848288	200.000	205.178(A)	
	119 1,2,3-Trichlorobenzene	180	10.164	10.164	(1.248)	2442826	200.000	198.105	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

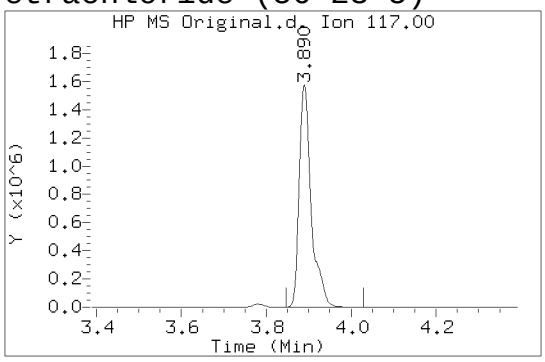

Y (x10^7)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane+
-Pentane+
-Dichlorofluoromethane
-Ethyl Ether
-1,1-Dichloroethene+
-Iodomethane
-Acrolein
-Isopropyl Alcohol+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile+
-Chloroprene+
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Methyl acrylate+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene+
-Heptane
-Benzene+
-tert-Amyl Methyl ether+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-1,4-Dioxane
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8+
-2-Nitropropane+
-4-Methyl-2-Pentanone(MIBK
-trans-1,3-Dichloropropene+
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
mp-Xylene
-1,2-Dichloroethene, Total
-o-Xylene
-Bromoform
-Styrene
-Isopropylbenzene
-4-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
Bromobenzene+
-p-Chlorotoluene
o-Chlorotoluene+
-tert-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-Total Xylenes
-Nitrobenzene
-Hexachlorobutadiene+
1,2,4-Trichlorobenzene
-Naphthalene
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InstruID : ms23.i
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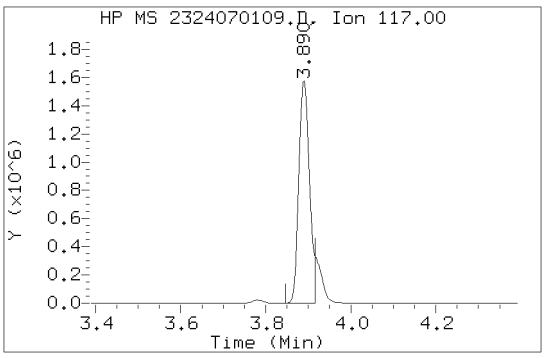
Carbon Tetrachloride (56-23-5)

Reason Code: MP

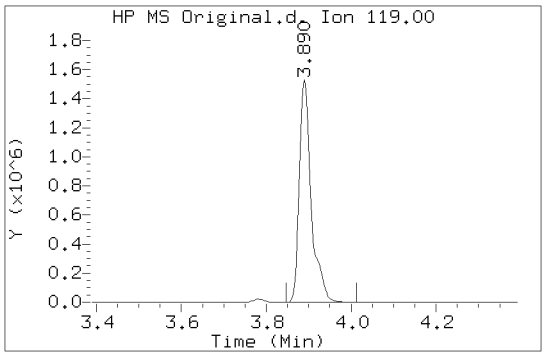
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HEIGHT
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01-Jul-2024
13:25



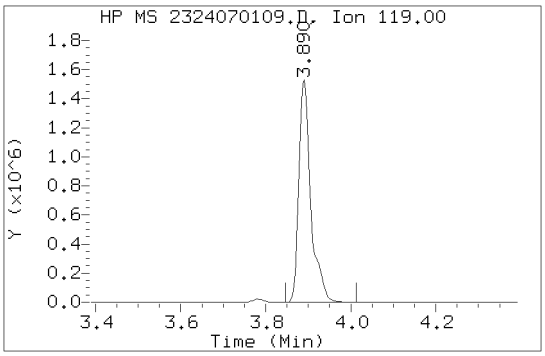
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12:01



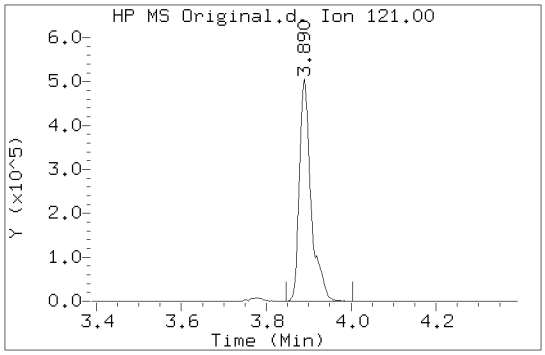
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HEIGHT
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01-Jul-2024
13:25



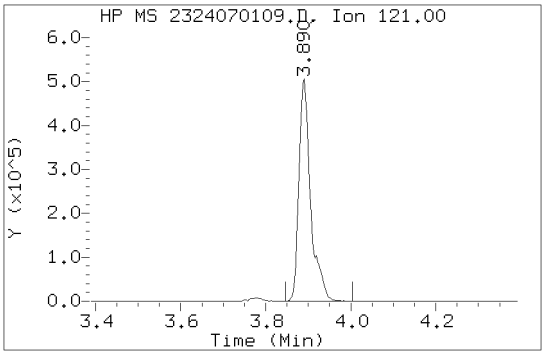
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BEFORE
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HEIGHT
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01-Jul-2024
13:25



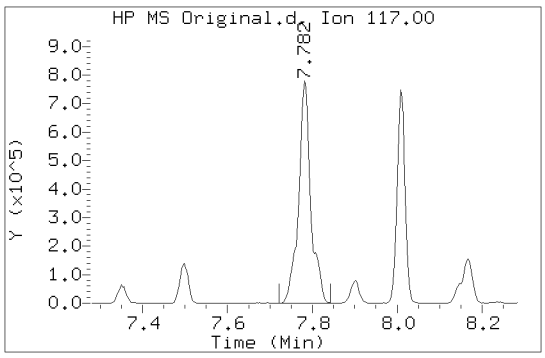
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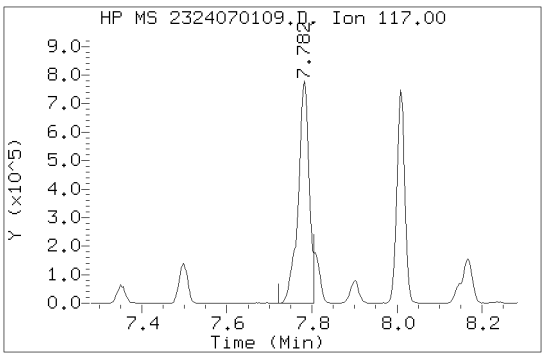
Pentachloroethane (76-01-7)

Reason Code: MP

BEFORE
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AREA
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HEIGHT
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01-Jul-2024
13:25



AFTER
MASS
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AREA
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HEIGHT
779064
02-Jul-2024
12:01



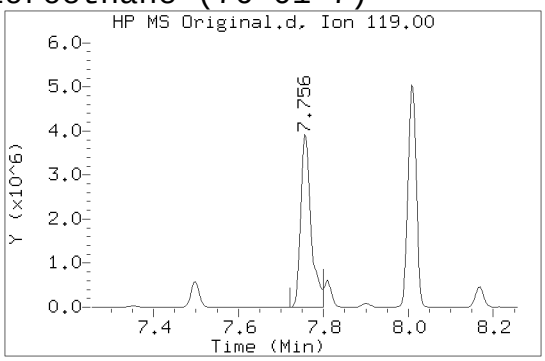
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Inj Date : 01-JUL-2024 12:29
InstruID : ms23.i
LabSampID : 1239

Pentachloroethane (76-01-7)

Reason Code: MP

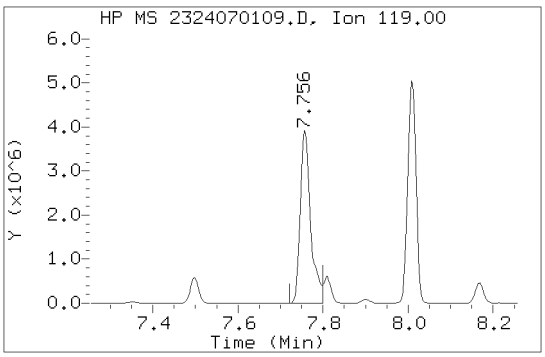
BEFORE

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01-Jul-2024
13:25



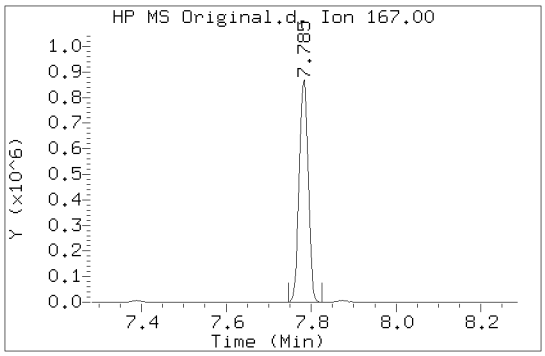
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02-Jul-2024
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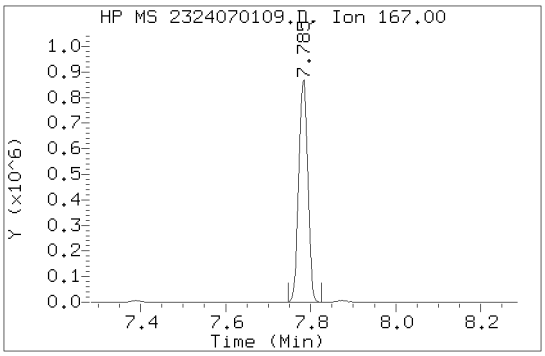
BEFORE

MASS
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HEIGHT
868664
01-Jul-2024
13:25



AFTER

MASS
167
AREA
1268385
HEIGHT
868664
02-Jul-2024
12:01



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 12:01
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240701.b/2324070109
Inj Date: 01-JUL-2024 12:29
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2324070115ICVQ.D Page 1
Report Date: 02-Jul-2024 12:05

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240701.b\2324070115ICV
Lab Smp Id: ICVQ
Inj Date : 01-JUL-2024 14:29
Operator : TMP Inst ID: ms23.i
Smp Info : ICVQ;;1;3;;ICV;1;
Misc Info :
Comment :
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Meth Date : 02-Jul-2024 03:54 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 15 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.632	1.632	(0.375)	253842	21.5228	21.5228	
2 Chloromethane	50	1.785	1.785	(0.410)	152283	21.0330	21.0330	
3 Vinyl Chloride	62	1.849	1.849	(0.424)	157010	20.9879	20.9879	
4 Bromomethane	94	2.069	2.072	(0.475)	111747	19.7568	19.7568	
5 Chloroethane	64	2.135	2.138	(0.490)	88444	20.7043	20.7043	
6 Pentane	41	2.237	2.234	(0.514)	94292	21.2566	21.2566	
7 Trichlorofluoromethane	101	2.240	2.243	(0.514)	312912	20.0470	20.0470	
8 Dichlorofluoromethane	67	2.274	2.274	(0.522)	301370	20.2096	20.2096	
9 Ethyl Ether	74	2.442	2.439	(0.561)	85798	20.0320	20.0320	
10 1,1-Dichloroethene	61	2.575	2.575	(0.591)	206721	20.5091	20.5091	
12 Carbon Disulfide	76	2.613	2.616	(0.600)	388738	20.6839	20.6839	
11 Freon 113	101	2.587	2.590	(0.594)	140327	21.3688	21.3688	
13 Iodomethane	127	2.677	2.677	(0.615)	66578	17.5595	17.5595	
14 Acrolein	56	2.761	2.761	(0.634)	189496	150.152	150.152	
16 3-Chloro-1-propene	41	2.848	2.848	(0.654)	156258	22.1857	22.1857	
15 Isopropyl Alcohol	45	2.830	2.830	(0.650)	49737	97.7662	97.7662	
17 Methylene Chloride	84	2.908	2.908	(0.668)	144378	19.0060	19.0060	
18 Acetone	58	2.920	2.920	(0.670)	68550	93.0524	93.0524	
19 Methyl acetate	74	2.984	2.984	(0.685)	32190	21.1102	21.1102	
20 trans-1,2-Dichloroethene	61	3.004	3.001	(0.690)	187077	20.3437	20.3437	
21 Hexane	57	3.044	3.045	(0.699)	246766	19.7623	19.7623	
22 Methyl t-Butyl Ether	73	3.050	3.047	(0.700)	509401	19.8429	19.8429	

Data File: 2324070115ICVQ.D
Report Date: 02-Jul-2024 12:05

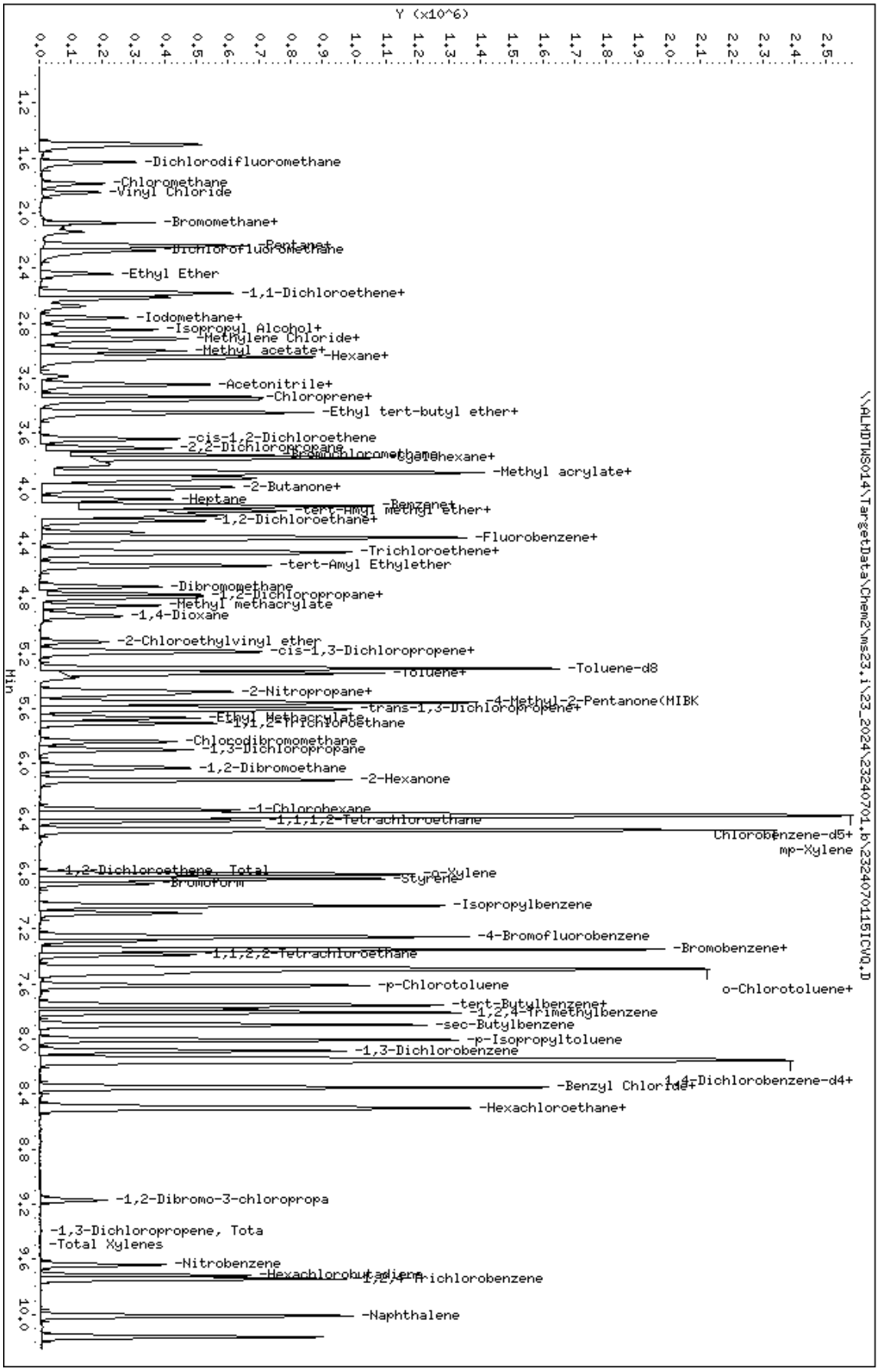
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
23 tert.- Butyl Alcohol	59	3.073	3.073	(0.706)	104873	93.2203	93.2203	
24 Acetonitrile	41	3.186	3.186	(0.732)	75033	92.7089	92.7089	
25 Diisopropyl ether	45	3.247	3.247	(0.745)	341887	19.7647	19.7647	
26 Chloroprene	53	3.334	3.334	(0.765)	183711	17.0125	17.0125	
27 1,1-Dichloroethane	63	3.346	3.346	(0.768)	238239	19.5144	19.5144	
28 Acrylonitrile	53	3.357	3.357	(0.771)	309119	100.013	100.013	
30 n-Propanol	41	3.447	3.447	(0.791)	79054	183.485	183.485(aQ)	
29 Ethyl tert-butyl ether	59	3.447	3.447	(0.791)	473330	20.7028	20.7028	
31 Vinyl acetate	86	3.453	3.450	(0.793)	33945	17.9239	17.9239	
32 cis-1,2-Dichloroethene	61	3.641	3.641	(0.836)	193426	19.5603	19.5603	
33 2,2-Dichloropropane	77	3.710	3.708	(0.852)	233352	18.0114	18.0114	
M 100 1,2-Dichloroethene, Total	61				380503	39.9040	39.9040	
34 Bromochloromethane	128	3.757	3.757	(0.862)	89524	20.8333	20.8333	
35 Cyclohexane	84	3.780	3.780	(0.868)	219044	20.9737	20.9737	
36 Chloroform	83	3.780	3.780	(0.868)	313430	19.7277	19.7277	
37 Ethyl acetate	43	3.815	3.815	(0.876)	135585	18.1991	18.1991	
38 Methyl acrylate	55	3.835	3.832	(0.880)	138434	20.3400	20.3400	
39 Carbon Tetrachloride	117	3.890	3.890	(0.893)	270618	20.9788	20.9788(M)	MP
40 Tetrahydrofuran	42	3.884	3.881	(0.892)	182192	96.6550	96.6550	
$ 41 Dibromofluoromethane	113	3.884	3.884	(0.892)	245758	30.2195	30.2195	
42 1,1,1-Trichloroethane	97	3.922	3.922	(0.900)	299665	20.3836	20.3836	
43 2-Butanone	72	3.939	3.939	(0.904)	101628	93.9855	93.9855	
44 1,1-Dichloropropene	75	3.985	3.988	(0.915)	212549	20.0032	20.0032	
45 1-Chlorobutane	41	4.006	4.006	(0.920)	137562	19.9305	19.9305	
46 Heptane	71	4.078	4.078	(0.936)	92037	19.4789	19.4789	
48 Propionitrile	54	4.113	4.113	(0.944)	101963	87.6938	87.6938	
47 Benzene	78	4.127	4.130	(0.947)	543639	19.7971	19.7971	
49 Methacrylonitrile	67	4.130	4.127	(0.948)	69774	21.2916	21.2916	
50 tert-amyl methyl Ether	73	4.162	4.162	(0.955)	475956	20.5830	20.5830	
$ 51 1,2-Dichloroethane-d4	65	4.197	4.194	(0.963)	340885	29.7485	29.7485	
54 Isobutyl alcohol	42	4.171	4.171	(0.957)	40238	187.373	187.373(Q)	
52 1,2-Dichloroethane	62	4.234	4.237	(0.972)	257062	18.7964	18.7964	
53 tert-Amyl Alcohol	59	4.243	4.240	(0.974)	75463	91.1285	91.1285	
* 55 Fluorobenzene	96	4.356	4.353	(1.000)	827588	30.0000		
56 Diisobutylene	57	4.373	4.374	(1.004)	287993	20.5067	20.5067	
57 Trichloroethene	95	4.457	4.457	(1.023)	160735	19.7670	19.7670	
58 Methyl cyclohexane	83	4.472	4.472	(0.703)	220969	19.5541	19.5541	
59 tert-Amyl Ethylether	59	4.562	4.562	(1.047)	323306	18.8976	18.8976	
60 Dibromomethane	93	4.715	4.712	(1.082)	107540	19.8393	19.8393	
61 1,2-Dichloropropane	63	4.770	4.770	(1.095)	121317	19.9230	19.9230	
62 Bromodichloromethane	83	4.796	4.793	(1.101)	236551	20.0826	20.0826	
63 Methyl methacrylate	41	4.851	4.851	(1.114)	128699	18.8996	18.8996	
65 2-Chloroethylvinyl ether	63	5.115	5.118	(1.174)	71919	17.7286	17.7286	
66 cis-1,3-Dichloropropene	75	5.181	5.181	(0.814)	241786	19.1669	19.1669	
67 Octane	85	5.193	5.196	(0.816)	81170	19.4357	19.4357	
$ 68 Toluene-d8	98	5.309	5.309	(0.834)	881432	29.8289	29.8289	
69 Toluene	92	5.343	5.343	(0.839)	377670	19.6884	19.6884	
70 Chloroacetonitrile	75	5.378	5.381	(0.845)	52620	98.4864	98.4864	
71 2-Nitropropane	41	5.474	5.477	(0.860)	296863	97.3562	97.3562	
72 1,1-Dichloro-2-propanone	63	5.497	5.500	(0.864)	26136	100.081	100.081	
73 4-Methyl-2-Pentanone(MIBK)	43	5.555	5.558	(0.873)	670355	99.6766	99.6766	
75 trans-1,3-Dichloropropene	75	5.592	5.595	(0.879)	262745	19.7337	19.7337	
74 Tetrachloroethene	164	5.610	5.610	(0.881)	155426	20.5218	20.5218	
76 Ethyl methacrylate	69	5.668	5.668	(0.890)	207661	19.6785	19.6785	

Data File: 2324070115ICVQ.D Page 3
Report Date: 02-Jul-2024 12:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
77	1,1,2-Trichloroethane	83	5.708	5.705	(0.897)	117170	20.1163	20.1163	
78	Chlorodibromomethane	129	5.838	5.841	(0.917)	195668	19.6224	19.6224	
79	1,3-Dichloropropane	76	5.896	5.899	(0.926)	238859	19.2702	19.2702	
80	1,2-Dibromoethane	107	6.021	6.021	(0.946)	157635	19.1340	19.1340	
81	2-Hexanone	43	6.116	6.119	(0.961)	471804	97.1470	97.1470	
82	1-Chlorohexane	91	6.334	6.337	(0.995)	191510	19.8961	19.8961	
* 83	Chlorobenzene-d5	82	6.365	6.366	(1.000)	378567	30.0000		
85	Ethylbenzene	106	6.383	6.383	(1.003)	221651	19.6647	19.6647	
84	Chlorobenzene	112	6.380	6.380	(1.002)	425959	19.5369	19.5369	
86	1,1,1,2-Tetrachloroethane	131	6.415	6.415	(1.008)	176518	19.9766	19.9766	
87	mp-Xylene	106	6.481	6.484	(1.018)	552353	40.0353	40.0353	
M 120	1,3-Dichloropropene, Total	75				504531	38.9006	38.9006	
88	o-Xylene	106	6.800	6.803	(1.068)	272308	19.9670	19.9670	
89	Styrene	104	6.837	6.837	(0.840)	465984	21.1695	21.1695	
90	Bromoform	173	6.875	6.872	(0.844)	139764	19.3501	19.3501	
91	Isopropylbenzene	105	7.031	7.031	(0.863)	734653	22.4105	22.4105	
$ 92	4-Bromofluorobenzene	174	7.257	7.257	(0.891)	332953	31.3042	31.3042	
M 121	TOTAL XYLENES	106				824661	60.0023	60.0023	
94	n-Propylbenzene	120	7.353	7.350	(0.903)	189516	19.6824	19.6824	
93	Bromobenzene	156	7.347	7.350	(0.902)	196102	20.1482	20.1482	
95	1,1,2,2-Tetrachloroethane	83	7.387	7.388	(0.907)	185578	19.6662	19.6662	
97	1,3,5-Trimethylbenzene	105	7.495	7.498	(0.920)	620786	20.4532	20.4532	
96	o-Chlorotoluene	91	7.486	7.486	(0.919)	572092	19.7729	19.7729	
98	1,2,3-Trichloropropane	110	7.509	7.509	(0.922)	76480	19.1441	19.1441	
99	trans-1,4-Dichloro-2-butene	53	7.526	7.529	(0.924)	62359	18.7667	18.7667(Q)	
101	p-Chlorotoluene	91	7.613	7.613	(0.935)	521063	19.8351	19.8351	
102	tert-Butylbenzene	134	7.755	7.758	(0.952)	146142	20.5007	20.5007	
103	Pentachloroethane	117	7.778	7.781	(0.955)	119583	18.4888	18.4888(QM)	MP
104	1,2,4-Trimethylbenzene	105	7.807	7.810	(0.959)	631933	20.2186	20.2186	
105	sec-Butylbenzene	105	7.897	7.900	(0.970)	730590	20.4501	20.4501	
106	p-Isopropyltoluene	134	8.007	8.007	(0.983)	168095	20.1445	20.1445	
107	1,3-Dichlorobenzene	146	8.088	8.088	(0.993)	348946	19.4356	19.4356	
* 108	1,4-Dichlorobenzene-d4	152	8.143	8.146	(1.000)	384449	30.0000		
109	1,4-Dichlorobenzene	146	8.155	8.158	(1.001)	360400	19.7826	19.7826	
111	n-Butylbenzene	134	8.352	8.358	(1.026)	155807	20.8464	20.8464(Q)	
110	Benzyl Chloride	126	8.349	8.349	(1.025)	67803	16.8806	16.8806(Q)	
112	Hexachloroethane	117	8.496	8.496	(1.043)	126763	20.4724	20.4724	
113	1,2-Dichlorobenzene	146	8.508	8.505	(1.045)	347035	19.7855	19.7855	
114	1,2-Dibromo-3-chloropropane	75	9.168	9.171	(1.126)	47116	17.9671	17.9671	
115	Nitrobenzene	77	9.640	9.643	(1.184)	168966	168.403	168.403	
116	Hexachlorobutadiene	225	9.718	9.721	(1.193)	105325	20.6505	20.6505	
117	1,2,4-Trichlorobenzene	180	9.744	9.744	(1.197)	241644	21.5419	21.5419	
118	Naphthalene	128	10.011	10.014	(1.229)	651443	20.6039	20.6039	
119	1,2,3-Trichlorobenzene	180	10.164	10.164	(1.248)	221554	18.9674	18.9674	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

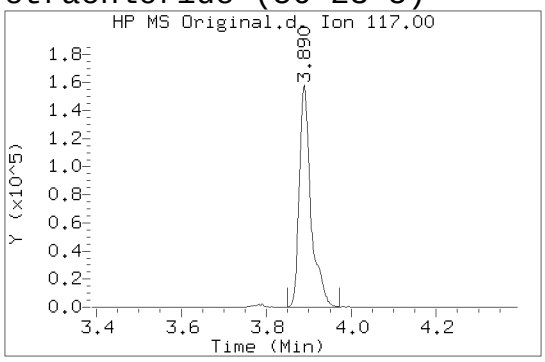

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane+
-Dichlorofluoromethane
-Pentane+
-Ethyl Ether
-1,1-Dichloroethene+
-Iodomethane+
-Isopropyl Alcohol+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile+
-Chloroprene+
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Methylcyclohexane+
-Methyl acrylate+
-2-Butanone+
-Heptane
-Benzene+
-tert-Amyl methyl ether+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-1,4-Dioxane
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8
-Toluene+
-2-Nitropropane+
-4-Methyl-2-Pentanone(MIBK
-trans-1,3-Dichloropropene+
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
mp-Xylene
-1,2-Dichloroethene, Total
-Bromoform
-Styrene
-o-Xylene
-Isopropylbenzene
-4-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-Bromobenzene+
-p-Chlorotoluene
o-Chlorotoluene+
-tert-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-Total Xylenes
-Nitrobenzene
-Hexachlorobutadiene
1,2,4-Trichlorobenzene
-Naphthalene
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Client ID:
Sample Info: ICVQ;1;3;;ICV;1;
Purge Volume: 5.0
Column phase: DB-VRX
Instrument: ms23,i
Operator: THP
Column diameter: 0.25
Page 1

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InstruID : ms23.i
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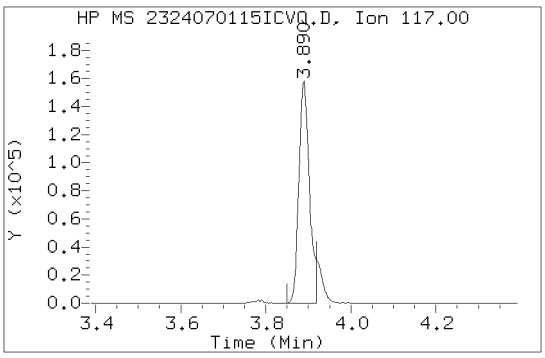
Carbon Tetrachloride (56-23-5)

Reason Code: MP

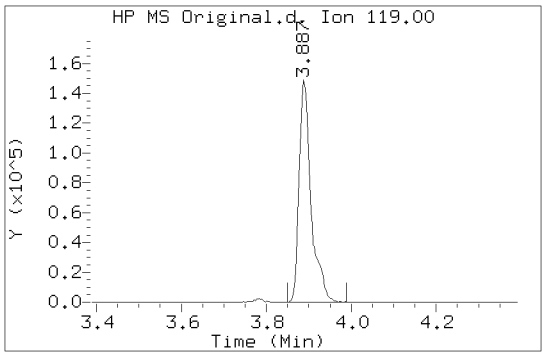
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HEIGHT
158272
01-Jul-2024
14:41



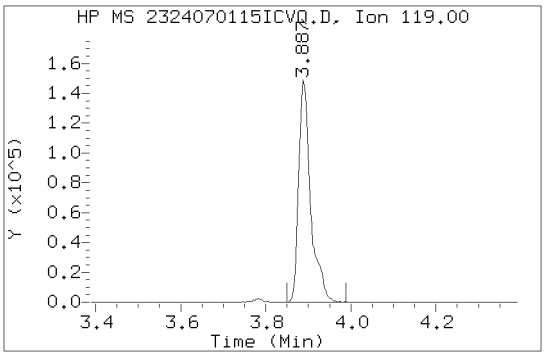
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02-Jul-2024
12:05



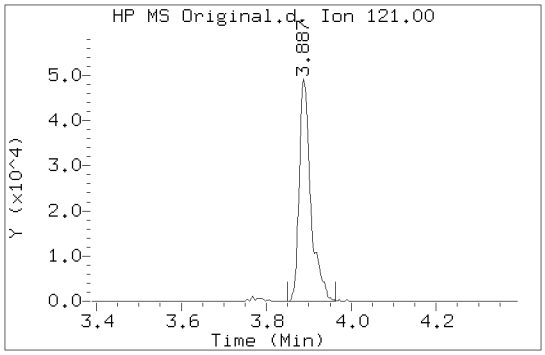
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AREA
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HEIGHT
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01-Jul-2024
14:41



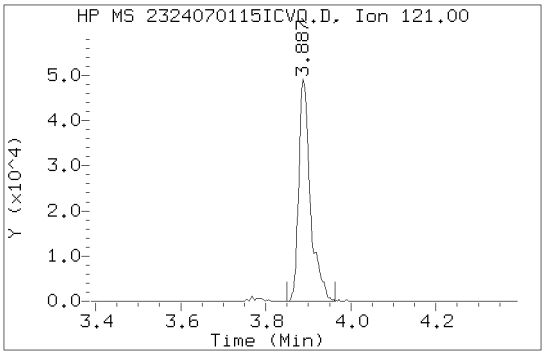
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HEIGHT
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12:05



BEFORE
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HEIGHT
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01-Jul-2024
14:41



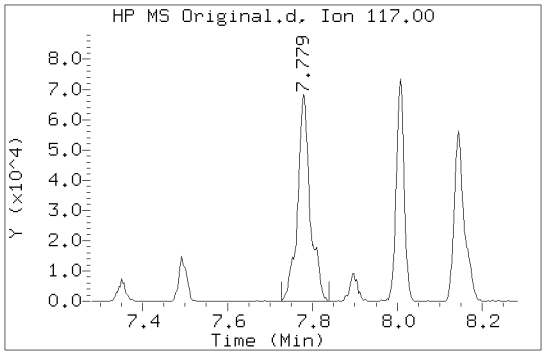
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HEIGHT
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02-Jul-2024
12:05



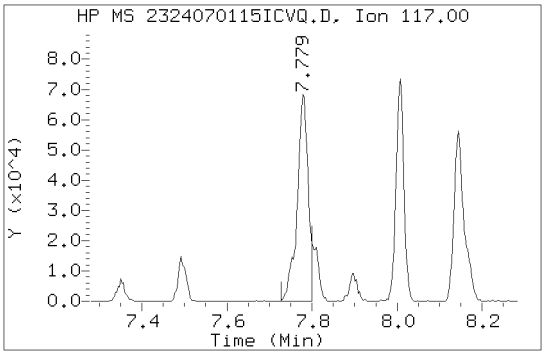
Pentachloroethane (76-01-7)

Reason Code: MP

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14:41



AFTER
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AREA
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HEIGHT
68368
02-Jul-2024
12:05



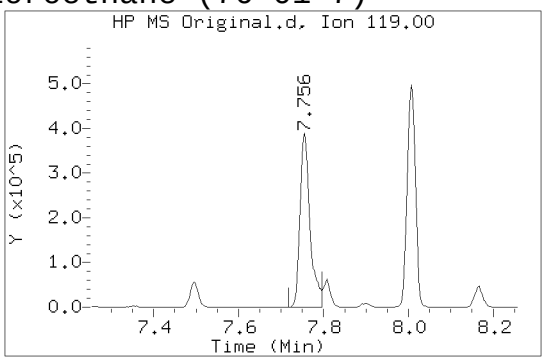
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Inj Date : 01-JUL-2024 14:29
InstruID : ms23.i
LabSampID : ICVQ

Pentachloroethane (76-01-7)

Reason Code: MP

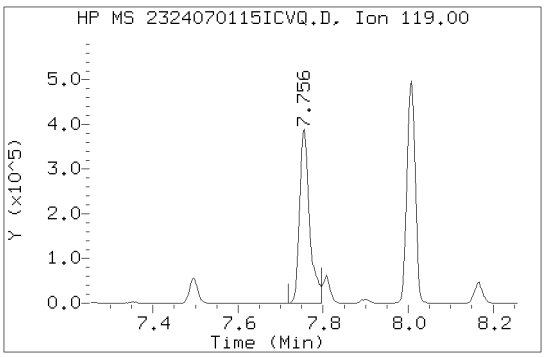
BEFORE

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AREA
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HEIGHT
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01-Jul-2024
14:41



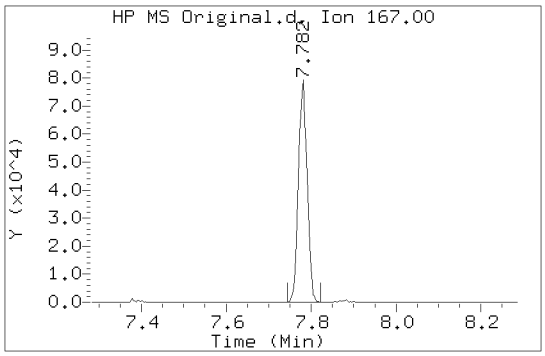
AFTER

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AREA
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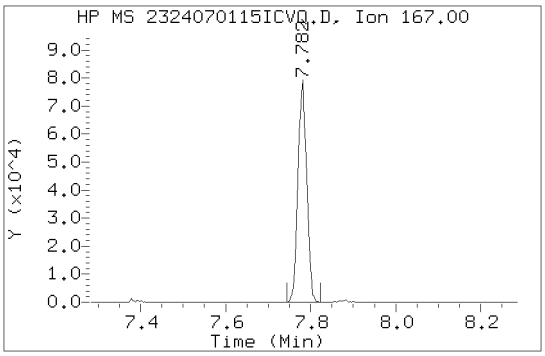
BEFORE

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HEIGHT
78537
01-Jul-2024
14:41



AFTER

MASS
167
AREA
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HEIGHT
79328
02-Jul-2024
12:05



UNASSIGNED PEAK REPORT

Report Date: 07/02/2024 12:05
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240701.b/232407011
Inj Date: 01-JUL-2024 14:29
Operator: TMP

There were no Unassigned peaks in this sample!

right solutions.
right partner.

Raw Data 23240703

Volatiles by EPA 8260D

Workorder

3366026

Client

ALS Houston

Project

AHH130|HS24061330

07/10/2024

www.alsglobal.com

Data File: 2324070300.D Page 1
Report Date: 09-Jul-2024 13:15

ALS Environmental Services

BFB Tune

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070300.D
Lab Smp Id: 1000
Inj Date : 03-JUL-2024 08:50
Operator : TMP Inst ID: ms23.i
Smp Info : 1000
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\bfb288.m
Meth Date : 13-Sep-2023 15:55 bsimms Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)		
RT	EXP RT	REL RT	MASS	RESPONSE			TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
7.251	7.159	(0.000)	95	152000			0.00- 100.00	100.00
7.251	8.129	(0.000)	50	27640			15.00- 40.00	18.18
7.251	8.129	(0.000)	75	80784			30.00- 60.00	53.15
7.251	8.129	(0.000)	96	9756			5.00- 9.00	6.42
7.251	8.129	(0.000)	173	1646			0.00- 2.00	1.19
7.251	8.129	(0.000)	174	138176			50.00- 0.00	90.91
7.251	8.129	(0.000)	175	10554			5.00- 9.00	7.64
7.251	8.129	(0.000)	176	136832			95.00- 101.00	99.03
7.251	8.129	(0.000)	177	7845			5.00- 9.00	5.73

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.18
75	30.00 - 60.00% of mass 95	53.15
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	1.08 (1.19)
174	Greater than 50.00% of mass 95	90.91
175	5.00 - 9.00% of mass 174	6.94 (7.64)
176	95.00 - 101.00% of mass 174	90.02 (99.03)
177	5.00 - 9.00% of mass 176	5.16 (5.73)

Data File: 2324070300.D
Spectrum: Avg. Scans 2180-2182 (7.25), Background Scan 2165
Location of Maximum: 95.00
Number of points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1542	70.00	1142	105.00	116	150.00	288
37.00	7239	71.00	62	106.00	685	152.00	219
38.00	5217	72.00	1466	107.00	69	154.00	100
39.00	2382	73.00	6664	113.00	59	155.00	263
44.00	883	74.00	27472	116.00	494	156.00	94
45.00	1015	75.00	80784	117.00	851	157.00	439
47.00	1172	76.00	7328	118.00	707	159.00	372
48.00	1045	77.00	1377	119.00	633	161.00	134
49.00	6390	78.00	57	124.00	58	169.00	89
50.00	27640	79.00	4073	128.00	742	170.00	57
51.00	7762	80.00	1418	129.00	318	171.00	204
52.00	442	81.00	4390	130.00	888	172.00	586
55.00	784	82.00	1032	131.00	128	173.00	1646
56.00	2173	83.00	142	134.00	151	174.00	138176
57.00	3523	87.00	4677	135.00	318	175.00	10554
58.00	147	88.00	4598	137.00	253	176.00	136832
60.00	1566	91.00	627	141.00	1863	177.00	7845
61.00	8039	92.00	4687	142.00	138	178.00	346
62.00	7590	93.00	6530	143.00	1803	207.00	55
63.00	5022	94.00	18976	145.00	106	233.00	114
64.00	869	95.00	152000	146.00	240		
67.00	521	96.00	9756	147.00	461		
68.00	15928	97.00	450	148.00	259		
69.00	15832	104.00	653	149.00	177		

Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070300.D

Date : 03-JUL-2024 08:50

Client ID:

Instrument: ms23.i

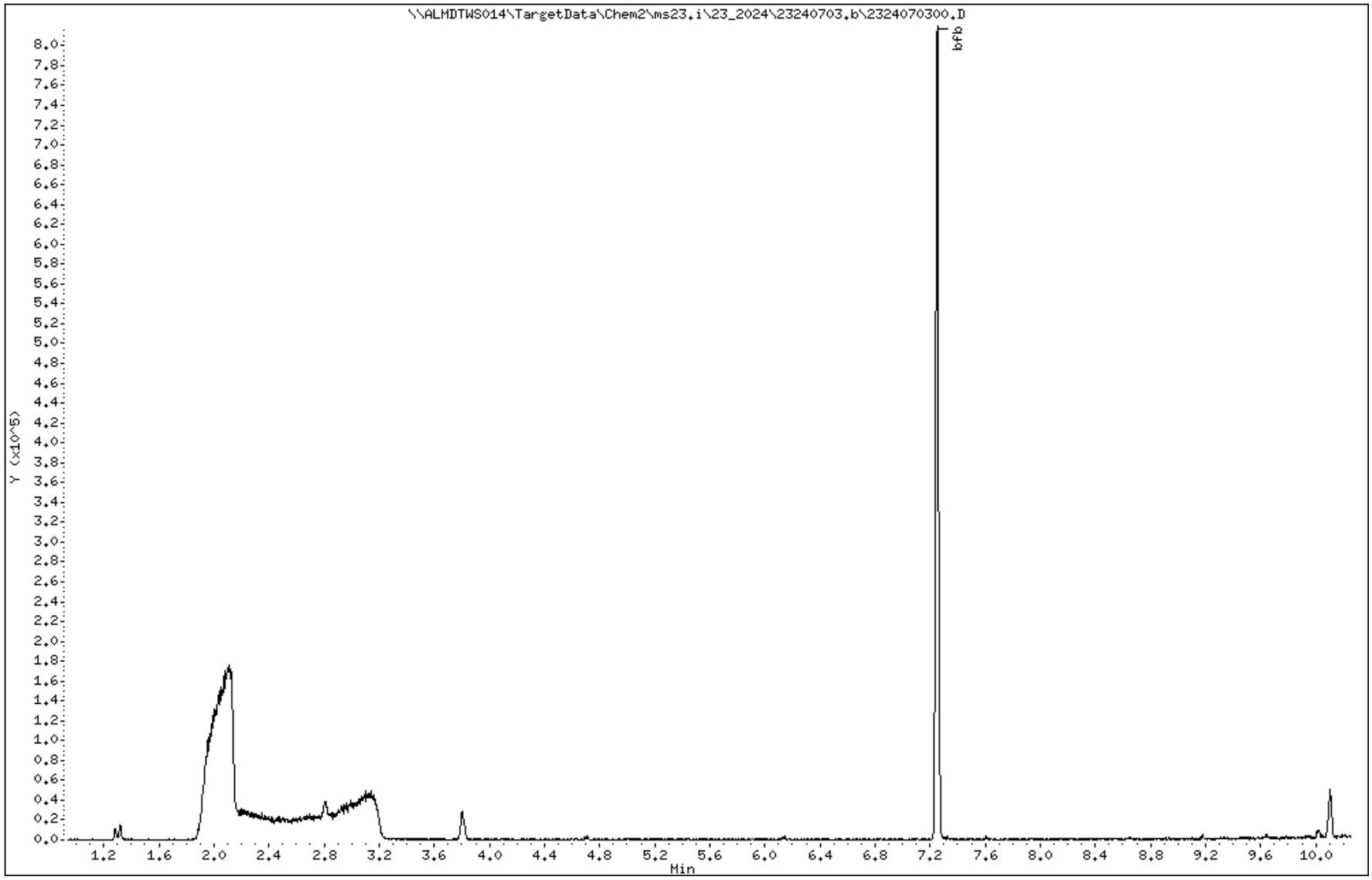
Sample Info: 1000

Volume Injected (uL): 1.0

Operator: TMP

Column phase: DB624

Column diameter: 0.53



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Inj Date : 03-JUL-2024 08:50
InstruID : ms23.i
LabSampID : 1000

NO MANUAL INTEGRATIONS

Data File: 2324070301.D Page 1
Report Date: 09-Jul-2024 13:15

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070301.D
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Inj Date : 03-JUL-2024 09:21
Operator : TMP Inst ID: ms23.i
Smp Info : 1800;;1;2;4;;;
Misc Info :
Comment :
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Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.629	1.629	(0.374)	545024	50.0000	47.6980	
2 Chloromethane	50	1.788	1.788	(0.410)	292830	50.0000	41.7459	
3 Vinyl Chloride	62	1.849	1.849	(0.424)	333785	50.0000	46.0529	
4 Bromomethane	94	2.072	2.072	(0.476)	231587	50.0000	42.2615	
5 Chloroethane	64	2.147	2.147	(0.493)	181404	50.0000	43.8317	
6 Pentane	41	2.245	2.245	(0.516)	217114	50.0000	50.5190	
7 Trichlorofluoromethane	101	2.248	2.248	(0.516)	742890	50.0000	49.1248	
8 Dichlorofluoromethane	67	2.277	2.277	(0.523)	717752	50.0000	49.6800	
9 Ethyl Ether	74	2.439	2.439	(0.560)	212605	50.0000	51.2354	
10 1,1-Dichloroethene	61	2.578	2.578	(0.592)	482940	50.0000	49.4543	
11 Freon 113	101	2.590	2.590	(0.595)	323940	50.0000	50.9158	
12 Carbon Disulfide	76	2.619	2.619	(0.601)	909763	50.0000	49.9635	
13 Iodomethane	127	2.677	2.677	(0.615)	164145	50.0000	43.1009	
14 Acrolein	56	2.761	2.761	(0.634)	290203	250.000	237.346	
15 Isopropyl Alcohol	45	2.821	2.821	(0.648)	115044	250.000	233.515	
16 3-Chloro-1-propene	41	2.848	2.848	(0.654)	350189	50.0000	51.3194	
17 Methylene Chloride	84	2.905	2.905	(0.667)	352215	50.0000	47.8571	
18 Acetone	58	2.920	2.920	(0.670)	156349	250.000	219.060	
19 Methyl acetate	74	2.984	2.984	(0.685)	67267	50.0000	45.5325	
20 trans-1,2-Dichloroethene	61	3.001	3.001	(0.689)	452749	50.0000	50.8178	
21 Hexane	57	3.044	3.044	(0.699)	602501	50.0000	49.8034	
22 Methyl t-Butyl Ether	73	3.050	3.050	(0.700)	1232001	50.0000	49.5342	

Data File: 2324070301.D
Report Date: 09-Jul-2024 13:15

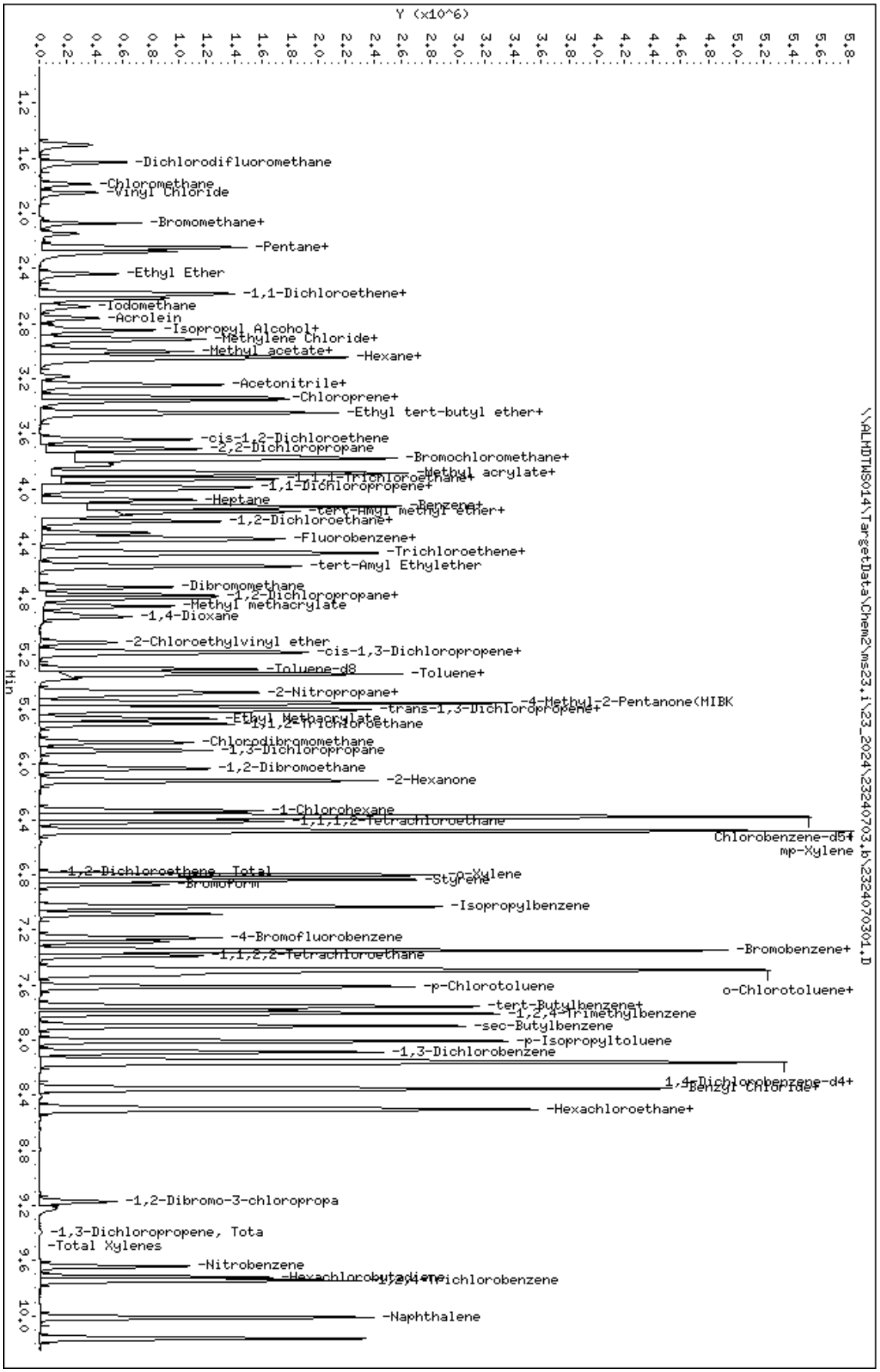
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	3.068	3.068	(0.704)	245711	250.000	225.434	
	24 Acetonitrile	41	3.183	3.183	(0.731)	172446	250.000	219.923	
	25 Diisopropyl ether	45	3.244	3.244	(0.745)	820692	50.0000	48.9707	
	26 Chloroprene	53	3.334	3.334	(0.765)	553324	50.0000	52.8884	
	27 1,1-Dichloroethane	63	3.346	3.346	(0.768)	595789	50.0000	50.3715	
	28 Acrylonitrile	53	3.357	3.357	(0.771)	725282	250.000	242.208	
	29 Ethyl tert-butyl ether	59	3.447	3.447	(0.791)	1114476	50.0000	50.3136	
	30 n-Propanol	41	3.447	3.447	(0.791)	201009	500.000	481.549(a)	
	31 Vinyl Acetate	86	3.450	3.450	(0.792)	93019	50.0000	50.6964	
	32 cis-1,2-Dichloroethene	61	3.641	3.641	(0.836)	468416	50.0000	48.8923	
	33 2,2-Dichloropropane	77	3.710	3.710	(0.852)	687236	50.0000	54.7508	
	34 Bromochloromethane	128	3.757	3.757	(0.862)	216469	50.0000	51.9952	
	35 Cyclohexane	84	3.780	3.780	(0.868)	507339	50.0000	50.1406	
	36 Chloroform	83	3.780	3.780	(0.868)	778236	50.0000	50.5586	
	37 Ethyl Acetate	43	3.815	3.815	(0.876)	326732	50.0000	45.2667	
	38 Methyl acrylate	55	3.832	3.832	(0.880)	318877	50.0000	48.3594	
	39 Carbon Tetrachloride	117	3.890	3.890	(0.893)	659232	50.0000	52.7485(M)	MP
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	235673	30.0000	29.9115	
	40 Tetrahydrofuran	42	3.878	3.878	(0.890)	422268	250.000	231.223	
	42 1,1,1-Trichloroethane	97	3.922	3.922	(0.900)	722481	50.0000	50.7247	
	43 2-Butanone	72	3.936	3.936	(0.904)	236095	250.000	225.363	
	44 1,1-Dichloropropene	75	3.985	3.985	(0.915)	511311	50.0000	49.6677	
	45 1-Chlorobutane	41	4.006	4.006	(0.920)	321626	50.0000	48.0971	
	46 Heptane	71	4.081	4.081	(0.937)	241164	50.0000	52.6821	
	47 Benzene	78	4.127	4.127	(0.947)	1311922	50.0000	49.3113	
	48 Propionitrile	54	4.110	4.110	(0.944)	257456	250.000	228.548	
	49 Methacrylonitrile	67	4.127	4.127	(0.947)	147661	50.0000	46.5082	
	50 tert-Amyl methyl ether	73	4.162	4.162	(0.955)	1131701	50.0000	50.5153	
	54 Isobutyl alcohol	42	4.168	4.168	(0.957)	86047	500.000	413.576	
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	346584	30.0000	31.2187	
	52 1,2-Dichloroethane	62	4.237	4.237	(0.973)	655070	50.0000	49.4394	
	53 tert-Amyl Alcohol	59	4.237	4.237	(0.973)	183882	250.000	229.197	
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	801799	30.0000		
	56 Diisobutylene	57	4.370	4.370	(1.003)	681133	50.0000	51.3426	
	57 Trichloroethene	95	4.457	4.457	(1.023)	393476	50.0000	49.9457	
	58 Methyl cyclohexane	83	4.472	4.472	(0.703)	549059	50.0000	52.7149	
	59 tert-Amyl Ethylether	59	4.559	4.559	(1.047)	831418	50.0000	50.1604	
	60 Dibromomethane	93	4.712	4.712	(1.082)	260783	50.0000	49.6574	
	61 1,2-Dichloropropane	63	4.773	4.773	(1.096)	287493	50.0000	48.7315	
	62 Bromodichloromethane	83	4.793	4.793	(1.100)	579552	50.0000	50.7850	
	63 Methyl methacrylate	41	4.851	4.851	(1.114)	309565	50.0000	46.9222	
	64 1,4-Dioxane	88	4.903	4.903	(1.126)	135137	1250.00	1148.53	
	65 2-Chloroethylvinyl ether	63	5.115	5.115	(1.174)	183373	50.0000	45.1347	
	66 cis-1,3-Dichloropropene	75	5.181	5.181	(0.814)	629487	50.0000	54.1396	
	67 Octane	85	5.196	5.196	(0.817)	239670	50.0000	62.2622	
$	68 Toluene-d8	98	5.309	5.309	(0.834)	844558	30.0000	31.0088	
	69 Toluene	92	5.343	5.343	(0.840)	909688	50.0000	51.4515	
	70 Chloroacetonitrile	75	5.381	5.381	(0.846)	126577	250.000	257.032	
	71 2-Nitropropane	41	5.474	5.474	(0.860)	754506	250.000	268.459	
	72 1,1-Dichloro-2-Propanone	63	5.494	5.494	(0.863)	62327	250.000	258.938	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.555	5.555	(0.873)	1575429	250.000	254.152	
	75 trans-1,3-Dichloropropene	75	5.592	5.592	(0.879)	665344	50.0000	54.2160	
	74 Tetrachloroethene	164	5.610	5.610	(0.882)	361075	50.0000	51.7244	
	76 Ethyl Methacrylate	69	5.665	5.665	(0.890)	514550	50.0000	52.9018	

Data File: 2324070301.D Page 3
Report Date: 09-Jul-2024 13:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
77	1,1,2-Trichloroethane	83	5.705	5.705	(0.897)	272579	50.0000	50.7729	
78	Chlorodibromomethane	129	5.841	5.841	(0.918)	498386	50.0000	54.2258	
79	1,3-Dichloropropane	76	5.899	5.899	(0.927)	593978	50.0000	51.9904	
80	1,2-Dibromoethane	107	6.018	6.018	(0.946)	393161	50.0000	51.7763	
81	2-Hexanone	43	6.116	6.116	(0.961)	1131460	250.000	252.763	
82	1-Chlorohexane	91	6.336	6.336	(0.996)	483204	50.0000	54.4645	
* 83	Chlorobenzene-d5	82	6.362	6.362	(1.000)	348928	30.0000		
84	Chlorobenzene	112	6.377	6.377	(1.002)	1072502	50.0000	53.3695	
85	Ethylbenzene	106	6.383	6.383	(1.003)	552249	50.0000	53.1570	
86	1,1,1,2-Tetrachloroethane	131	6.415	6.415	(1.008)	442041	50.0000	54.2752	
87	mp-Xylene	106	6.481	6.481	(1.019)	1362924	100.000	107.178	
88	o-Xylene	106	6.803	6.803	(1.069)	679804	50.0000	54.0807	
89	Styrene	104	6.837	6.837	(0.840)	1132075	50.0000	54.8737	
90	Bromoform	173	6.869	6.869	(0.844)	358836	50.0000	53.0070	
91	Isopropylbenzene	105	7.031	7.031	(0.863)	1654345	50.0000	53.8450	
M 100	1,2-Dichloroethene, Total	61				921165	100.000	99.7101	
$ 92	4-Bromofluorobenzene	174	7.257	7.257	(0.891)	319484	30.0000	32.0492	
93	Bromobenzene	156	7.350	7.350	(0.903)	487496	50.0000	53.4411	
94	n-Propylbenzene	120	7.347	7.347	(0.902)	486456	50.0000	53.9044	
95	1,1,2,2-Tetrachloroethane	83	7.387	7.387	(0.907)	438539	50.0000	49.5850	
96	o-Chlorotoluene	91	7.486	7.486	(0.919)	1426036	50.0000	52.5877	
97	1,3,5-Trimethylbenzene	105	7.495	7.495	(0.920)	1553199	50.0000	54.6005	
98	1,2,3-Trichloropropane	110	7.506	7.506	(0.922)	186381	50.0000	49.7779	
99	trans-1,4-Dichloro-2-butene	53	7.526	7.526	(0.924)	154623	50.0000	49.6491	
101	p-Chlorotoluene	91	7.613	7.613	(0.935)	1323207	50.0000	53.7429	
102	tert-Butylbenzene	134	7.755	7.755	(0.952)	366830	50.0000	54.9044	
103	Pentachloroethane	117	7.781	7.781	(0.956)	338701	50.0000	55.8734(M)	MP
104	1,2,4-Trimethylbenzene	105	7.807	7.807	(0.959)	1581284	50.0000	53.9807	
105	sec-Butylbenzene	105	7.897	7.897	(0.970)	1821712	50.0000	54.4066	
106	p-Isopropyltoluene	134	8.007	8.007	(0.983)	432820	50.0000	55.3425	
107	1,3-Dichlorobenzene	146	8.088	8.088	(0.993)	895747	50.0000	53.2320	
* 108	1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	360321	30.0000		
109	1,4-Dichlorobenzene	146	8.158	8.158	(1.002)	906915	50.0000	53.1145	
110	Benzyl Chloride	126	8.349	8.349	(1.025)	224524	50.0000	59.6419	
111	n-Butylbenzene	134	8.354	8.354	(1.026)	398907	50.0000	56.9463	
112	Hexachloroethane	117	8.493	8.493	(1.043)	313332	50.0000	53.9921	
113	1,2-Dichlorobenzene	146	8.505	8.505	(1.044)	875362	50.0000	53.2489	
114	1,2-Dibromo-3-chloropropane	75	9.168	9.168	(1.126)	121901	50.0000	49.5983	
115	Nitrobenzene	77	9.643	9.643	(1.184)	449715	500.000	440.178	
116	Hexachlorobutadiene	225	9.721	9.721	(1.194)	265117	50.0000	55.4609	
M 120	1,3-Dichloropropene, Total	75				1294831	100.000	108.356	
117	1,2,4-Trichlorobenzene	180	9.744	9.744	(1.197)	578525	50.0000	55.0275	
M 121	Total Xylenes	106				2042728	150.000	161.259	
118	Naphthalene	128	10.011	10.011	(1.229)	1573001	50.0000	53.0825	
119	1,2,3-Trichlorobenzene	180	10.167	10.167	(1.249)	579777	50.0000	52.9587	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

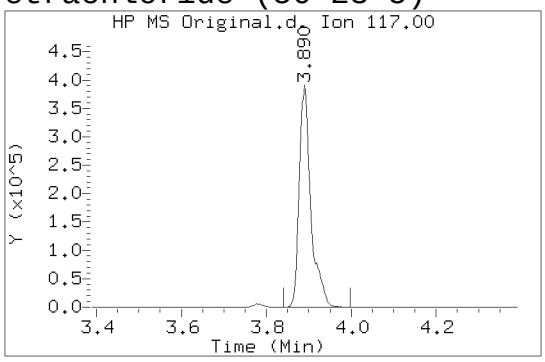

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane+
-Pentane+
-Ethyl Ether
-1,1-Dichloroethene+
-Iodomethane
-Acrolein
-Isopropyl Alcohol+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile+
-Chloroprene+
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Methyl acrylate+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene+
-Heptane
-Benzene+
-tert-Amyl methyl ether+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-1,4-Dioxane
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8
-Toluene+
-2-Nitropropane+
-4-Methyl-2-Pentanone(MIBK
-trans-1,3-Dichloropropene+
-Ethyl Methacrylate
1,1,2-Trichloroethane
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
mp-Xylene
-1,2-Dichloroethene, Total
-Bromoform
-Styrene
o-Xylene
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
1,1,2,2-Tetrachloroethane
-p-Chlorotoluene
o-Chlorotoluene+
-tert-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
Benzyl Chloride+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
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-Hexachlorobutadiene
1,2,4-Trichlorobenzene
-Naphthalene
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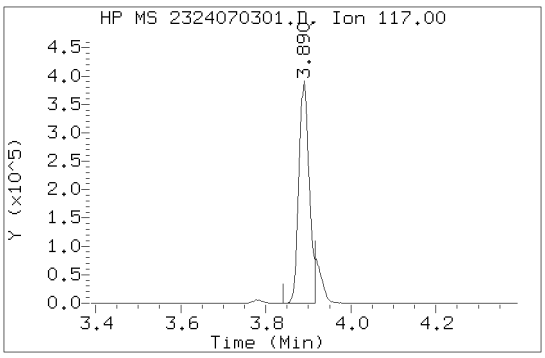
Carbon Tetrachloride (56-23-5)

Reason Code: MP

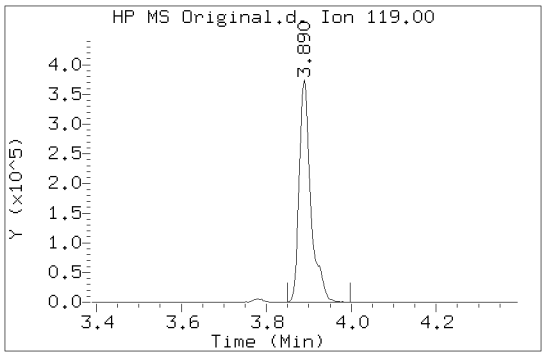
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03-Jul-2024
09:35



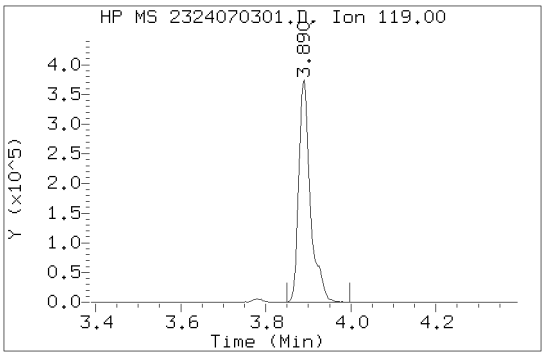
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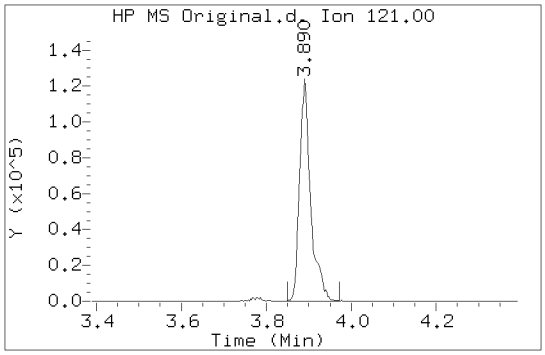
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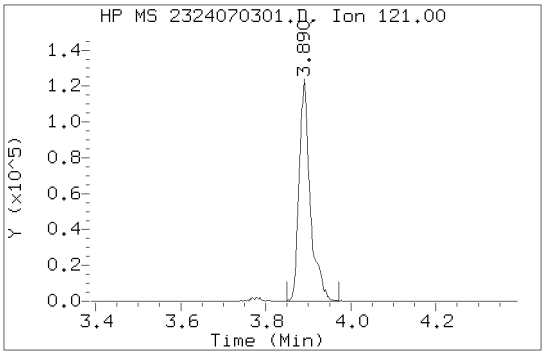
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03-Jul-2024
09:35



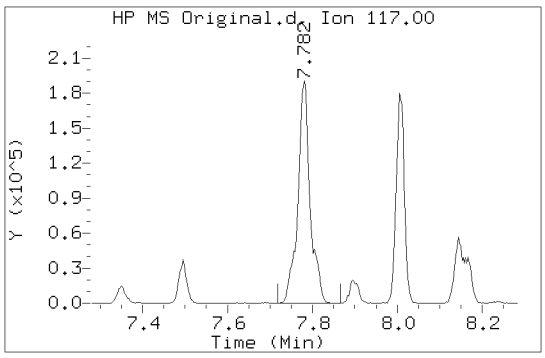
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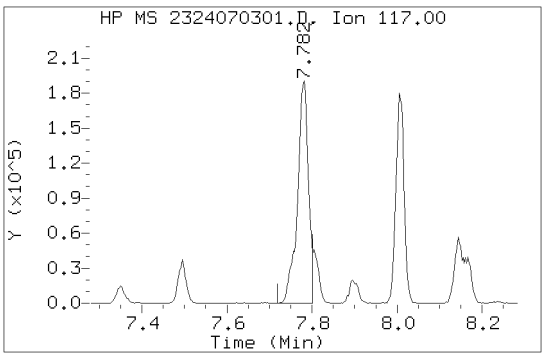
Pentachloroethane (76-01-7)

Reason Code: MP

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03-Jul-2024
09:35



AFTER
MASS
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HEIGHT
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09-Jul-2024
13:15



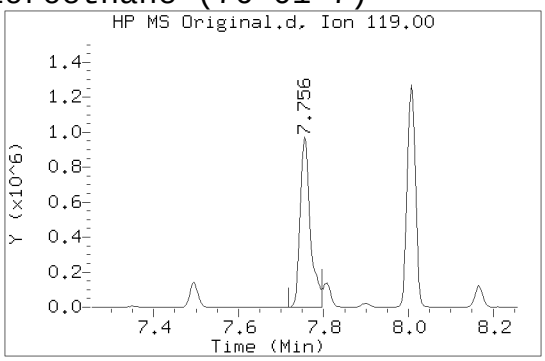
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LabSampID : 1800

Pentachloroethane (76-01-7)

Reason Code: MP

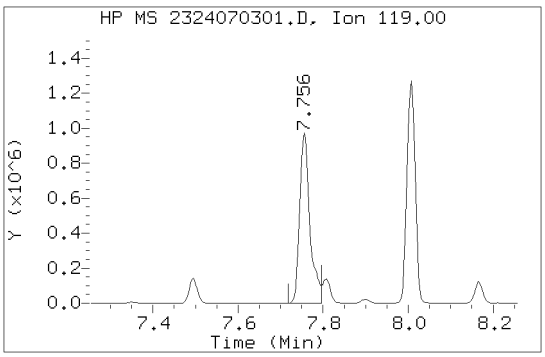
BEFORE

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03-Jul-2024
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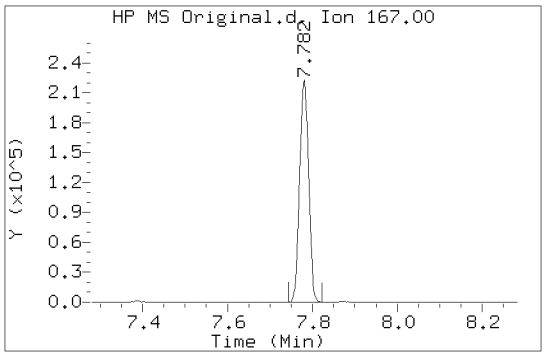
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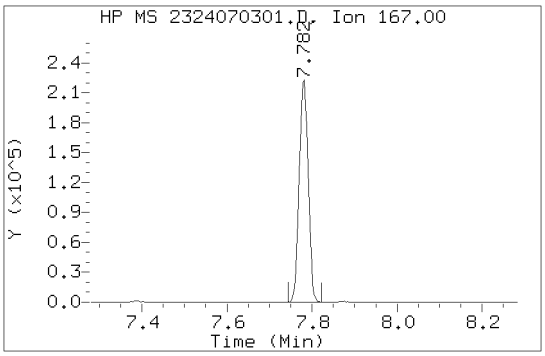
BEFORE

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03-Jul-2024
09:35



AFTER

MASS
167
AREA
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HEIGHT
222912
09-Jul-2024
13:15



UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:15
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407030
Inj Date: 03-JUL-2024 09:21
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2324070302DQ.D Page 1
Report Date: 09-Jul-2024 13:17

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070302DQ
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Inj Date : 03-JUL-2024 10:06
Operator : TMP Inst ID: ms23.i
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Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.629	1.629	(0.374)	229104	20.9021	20.9021	
2 Chloromethane	50	1.785	1.788	(0.410)	116249	17.2767	17.2767	
3 Vinyl Chloride	62	1.849	1.849	(0.425)	136518	19.6360	19.6360	
4 Bromomethane	94	2.069	2.072	(0.475)	96698	18.3959	18.3959	
5 Chloroethane	64	2.138	2.147	(0.491)	79311	19.9778	19.9778	
6 Pentane	41	2.231	2.245	(0.513)	89813	21.7861	21.7861	
7 Trichlorofluoromethane	101	2.242	2.248	(0.515)	286854	19.7747	19.7747	
8 Dichlorofluoromethane	67	2.271	2.277	(0.522)	267253	19.2842	19.2842	
9 Ethyl Ether	74	2.439	2.439	(0.560)	76086	19.1150	19.1150	
10 1,1-Dichloroethene	61	2.572	2.578	(0.591)	188133	20.0839	20.0839	
12 Carbon Disulfide	76	2.616	2.619	(0.601)	347199	19.8781	19.8781	
11 Freon 113	101	2.590	2.590	(0.595)	125990	20.6441	20.6441	
13 Iodomethane	127	2.674	2.677	(0.614)	60784	17.2576	17.2576	
14 Acrolein	56	2.761	2.761	(0.634)	175048	149.249	149.249	
16 3-Chloro-1-propene	41	2.850	2.848	(0.655)	136165	20.8026	20.8026	
15 Isopropyl Alcohol	45	2.830	2.821	(0.650)	45585	96.4053	96.4053	
17 Methylene Chloride	84	2.905	2.905	(0.667)	134539	19.0572	19.0572	
18 Acetone	58	2.917	2.920	(0.670)	72530	105.940	105.940	
19 Methyl acetate	74	2.984	2.984	(0.685)	27837	19.6433	19.6433	
20 trans-1,2-Dichloroethene	61	3.004	3.001	(0.690)	168314	19.6948	19.6948	
21 Hexane	57	3.041	3.044	(0.699)	231606	19.9583	19.9583	
22 Methyl t-Butyl Ether	73	3.047	3.050	(0.700)	480711	20.1489	20.1489	

Data File: 2324070302DQ.D
Report Date: 09-Jul-2024 13:17

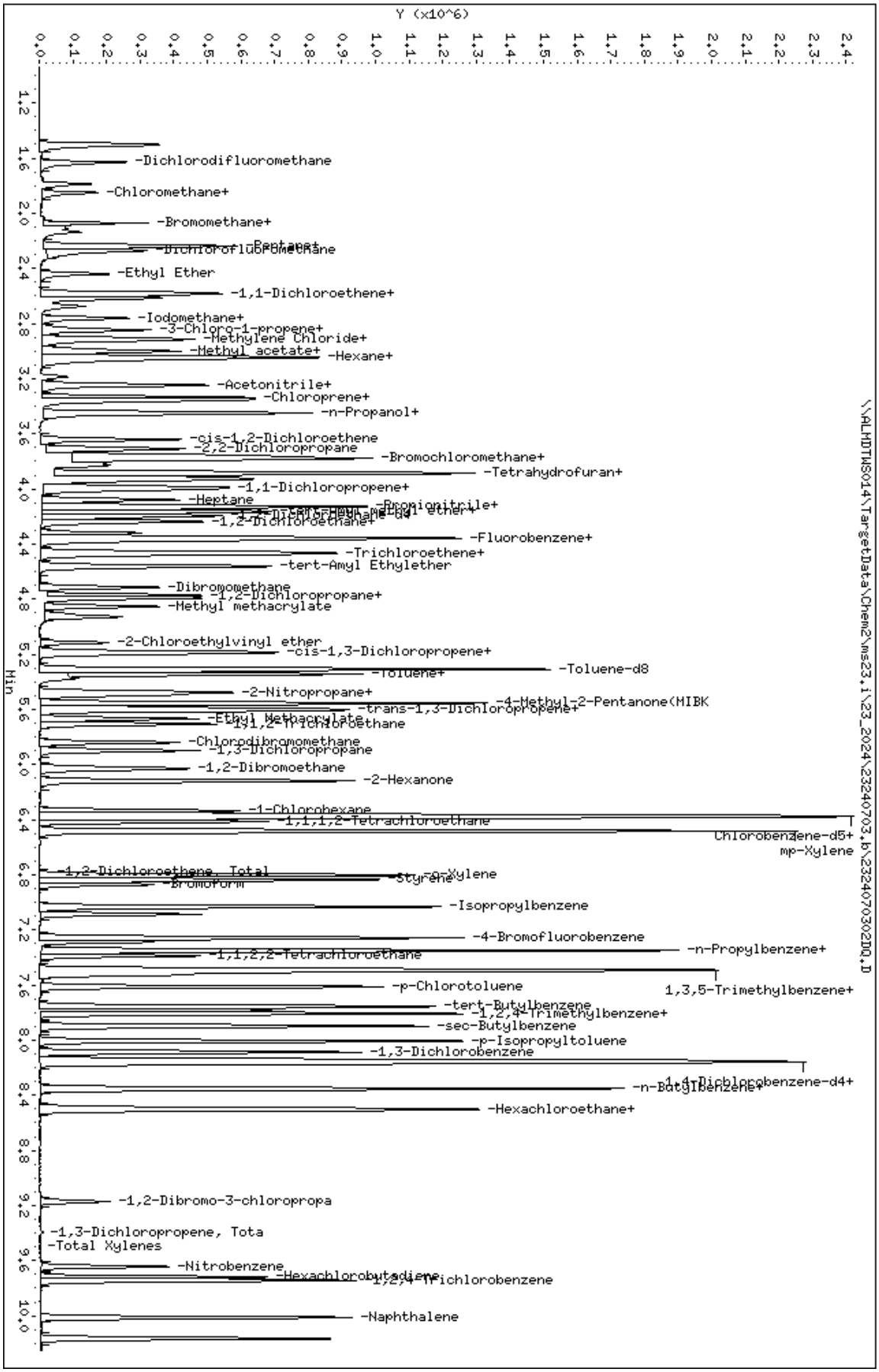
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	3.076	3.068	(0.707)	93296	89.2341	89.2341	
	24 Acetonitrile	41	3.186	3.183	(0.732)	66792	88.8003	88.8003	
	25 Diisopropyl ether	45	3.247	3.244	(0.746)	312222	19.4219	19.4219	
	26 Chloroprene	53	3.334	3.334	(0.766)	205874	20.5142	20.5142	
	27 1,1-Dichloroethane	63	3.345	3.346	(0.769)	220654	19.4481	19.4481	
	28 Acrylonitrile	53	3.360	3.357	(0.772)	279244	97.2159	97.2159(M)	MP
	30 n-Propanol	41	3.447	3.447	(0.792)	75738	189.152	189.152(aQ)	
	29 Ethyl tert-butyl ether	59	3.450	3.447	(0.793)	439480	20.6836	20.6836	
	31 Vinyl acetate	86	3.453	3.450	(0.793)	34275	19.4740	19.4740(Q)	
	32 cis-1,2-Dichloroethene	61	3.641	3.641	(0.836)	175471	19.0935	19.0935	
	33 2,2-Dichloropropane	77	3.710	3.710	(0.852)	254984	21.1773	21.1773	
M	100 1,2-Dichloroethene, Total	61				343785	38.7883	38.7883	
	34 Bromochloromethane	128	3.754	3.757	(0.862)	83395	20.8824	20.8824	
	35 Cyclohexane	84	3.783	3.780	(0.869)	193386	19.9246	19.9246	
	36 Chloroform	83	3.780	3.780	(0.868)	297034	20.1170	20.1170	
	37 Ethyl acetate	43	3.815	3.815	(0.876)	124117	17.9263	17.9263	
	38 Methyl acrylate	55	3.829	3.832	(0.880)	126234	19.9575	19.9575	
	39 Carbon Tetrachloride	117	3.890	3.890	(0.894)	245561	20.4835	20.4835(M)	MP
	40 Tetrahydrofuran	42	3.881	3.878	(0.892)	166305	94.9339	94.9339	
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	228398	30.2199	30.2199	
	42 1,1,1-Trichloroethane	97	3.922	3.922	(0.901)	274340	20.0796	20.0796	
	43 2-Butanone	72	3.936	3.936	(0.904)	100733	100.240	100.240	
	44 1,1-Dichloropropene	75	3.985	3.985	(0.916)	192459	19.4894	19.4894	
	45 1-Chlorobutane	41	4.006	4.006	(0.920)	124459	19.4029	19.4029	
	46 Heptane	71	4.078	4.081	(0.937)	91558	20.8506	20.8506	
	48 Propionitrile	54	4.113	4.110	(0.945)	102449	94.8102	94.8102	
	47 Benzene	78	4.130	4.127	(0.949)	491360	19.2536	19.2536	
	49 Methacrylonitrile	67	4.130	4.127	(0.949)	60162	19.7542	19.7542	
	50 tert-amyl methyl Ether	73	4.165	4.162	(0.957)	448301	20.8609	20.8609	
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.964)	319042	29.9590	29.9590	
	54 Isobutyl alcohol	42	4.174	4.168	(0.959)	29976	150.198	150.198(Q)	
	52 1,2-Dichloroethane	62	4.234	4.237	(0.973)	246539	19.3974	19.3974	
	53 tert-Amyl Alcohol	59	4.237	4.237	(0.973)	70896	92.1220	92.1220	
*	55 Fluorobenzene	96	4.353	4.356	(1.000)	769118	30.0000		
	56 Diisobutylene	57	4.370	4.370	(1.004)	264149	20.2243	20.2243	
	57 Trichloroethene	95	4.460	4.457	(1.025)	146304	19.3602	19.3602	
	58 Methyl cyclohexane	83	4.475	4.472	(0.703)	204309	20.1205	20.1205	
	59 tert-Amyl Ethylether	59	4.562	4.559	(1.048)	301697	18.9751	18.9751	
	60 Dibromomethane	93	4.715	4.712	(1.083)	99751	19.8013	19.8013	
	61 1,2-Dichloropropane	63	4.770	4.773	(1.096)	110975	19.6101	19.6101	
	62 Bromodichloromethane	83	4.793	4.793	(1.101)	223622	20.4282	20.4282	
	63 Methyl methacrylate	41	4.854	4.851	(1.115)	119949	18.9538	18.9538	
	65 2-Chloroethylvinyl ether	63	5.115	5.115	(1.175)	66984	17.7666	17.7666	
	66 cis-1,3-Dichloropropene	75	5.181	5.181	(0.814)	236989	20.9071	20.9071	
	67 Octane	85	5.199	5.196	(0.817)	86143	22.9545	22.9545	
$	68 Toluene-d8	98	5.306	5.309	(0.834)	828546	31.2039	31.2039	
	69 Toluene	92	5.343	5.343	(0.840)	343920	19.9526	19.9526	
	70 Chloroacetonitrile	75	5.381	5.381	(0.846)	47470	98.8756	98.8756	
	71 2-Nitropropane	41	5.474	5.474	(0.860)	287105	104.783	104.783	
	72 1,1-Dichloro-2-propanone	63	5.494	5.494	(0.863)	25377	108.143	108.143(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.555	5.555	(0.873)	614680	101.714	101.714	
	75 trans-1,3-Dichloropropene	75	5.592	5.592	(0.879)	259163	21.6616	21.6616	
	74 Tetrachloroethene	164	5.607	5.610	(0.881)	139046	20.4312	20.4312	
	76 Ethyl methacrylate	69	5.665	5.665	(0.890)	193004	20.3538	20.3538	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
77	1,1,2-Trichloroethane	83	5.711	5.705	(0.898)	107858	20.6077	20.6077	
78	Chlorodibromomethane	129	5.838	5.841	(0.918)	188031	20.9849	20.9849	
79	1,3-Dichloropropane	76	5.899	5.899	(0.927)	227952	20.4660	20.4660	
80	1,2-Dibromoethane	107	6.021	6.018	(0.946)	153417	20.7239	20.7239	
81	2-Hexanone	43	6.119	6.116	(0.962)	442160	101.319	101.319	
82	1-Chlorohexane	91	6.336	6.336	(0.996)	178475	20.6347	20.6347	
* 83	Chlorobenzene-d5	82	6.362	6.362	(1.000)	340172	30.0000		
85	Ethylbenzene	106	6.383	6.383	(1.003)	216207	21.3468	21.3468	
84	Chlorobenzene	112	6.377	6.377	(1.002)	403049	20.5726	20.5726	
86	1,1,1,2-Tetrachloroethane	131	6.415	6.415	(1.008)	167294	21.0696	21.0696	
87	mp-Xylene	106	6.481	6.481	(1.019)	523338	42.2137	42.2137	
M 120	1,3-Dichloropropene, Total	75				496152	42.5687	42.5687	
88	o-Xylene	106	6.803	6.803	(1.069)	256775	20.9531	20.9531	
89	Styrene	104	6.837	6.837	(0.840)	438633	21.8625	21.8625	
90	Bromoform	173	6.872	6.869	(0.844)	133704	20.3091	20.3091	
91	Isopropylbenzene	105	7.031	7.031	(0.863)	691807	23.1533	23.1533	
$ 92	4-Bromofluorobenzene	174	7.257	7.257	(0.891)	308241	31.7957	31.7957	
M 121	TOTAL XYLENES	106				780113	63.1668	63.1668	
94	n-Propylbenzene	120	7.350	7.347	(0.903)	186768	21.2810	21.2810	
93	Bromobenzene	156	7.353	7.350	(0.903)	190461	21.4694	21.4694	
95	1,1,2,2-Tetrachloroethane	83	7.387	7.387	(0.907)	171676	19.9600	19.9600	
97	1,3,5-Trimethylbenzene	105	7.495	7.495	(0.920)	592463	21.4161	21.4161	
96	o-Chlorotoluene	91	7.489	7.486	(0.920)	543770	20.6195	20.6195	
98	1,2,3-Trichloropropane	110	7.506	7.506	(0.922)	69798	19.1685	19.1685	
99	trans-1,4-Dichloro-2-butene	53	7.529	7.526	(0.925)	61411	20.2765	20.2765	
101	p-Chlorotoluene	91	7.613	7.613	(0.935)	500617	20.9078	20.9078	
102	tert-Butylbenzene	134	7.755	7.755	(0.952)	139906	21.5322	21.5322	
103	Pentachloroethane	117	7.781	7.781	(0.956)	120095	20.3715	20.3715(QM)	MP
104	1,2,4-Trimethylbenzene	105	7.807	7.807	(0.959)	606360	21.2848	21.2848	
105	sec-Butylbenzene	105	7.897	7.897	(0.970)	700287	21.5059	21.5059	
106	p-Isopropyltoluene	134	8.010	8.007	(0.984)	161461	21.2289	21.2289	
107	1,3-Dichlorobenzene	146	8.085	8.088	(0.993)	343324	20.9798	20.9798	
* 108	1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	350413	30.0000		
109	1,4-Dichlorobenzene	146	8.158	8.158	(1.002)	358831	21.6096	21.6096	
111	n-Butylbenzene	134	8.352	8.354	(1.026)	149360	21.9249	21.9249	
110	Benzyl Chloride	126	8.349	8.349	(1.025)	83724	22.8690	22.8690	
112	Hexachloroethane	117	8.493	8.493	(1.043)	114913	20.3612	20.3612	
113	1,2-Dichlorobenzene	146	8.505	8.505	(1.044)	337006	21.0800	21.0800	
114	1,2-Dibromo-3-chloropropane	75	9.168	9.168	(1.126)	45777	19.1521	19.1521	
115	Nitrobenzene	77	9.643	9.643	(1.184)	157835	172.112	172.112	
116	Hexachlorobutadiene	225	9.718	9.721	(1.193)	106829	22.9799	22.9799	
117	1,2,4-Trichlorobenzene	180	9.744	9.744	(1.197)	242812	23.7486	23.7486	
118	Naphthalene	128	10.013	10.011	(1.230)	619049	21.4811	21.4811	
119	1,2,3-Trichlorobenzene	180	10.167	10.167	(1.249)	224089	21.0478	21.0478	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



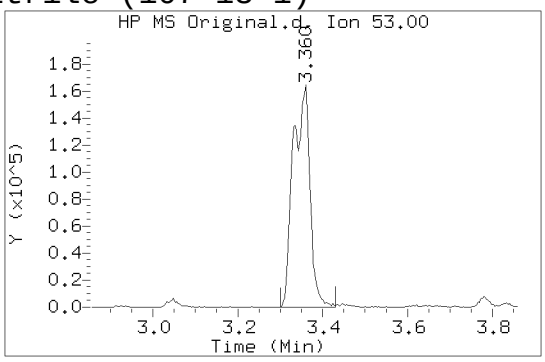
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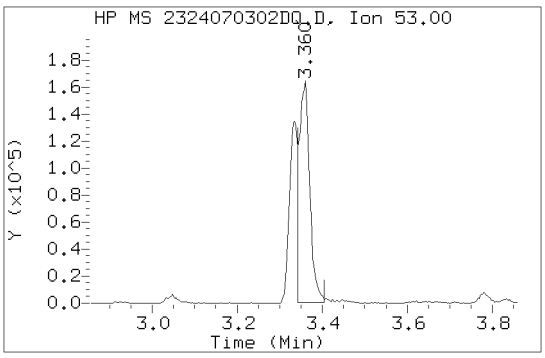
Acrylonitrile (107-13-1)

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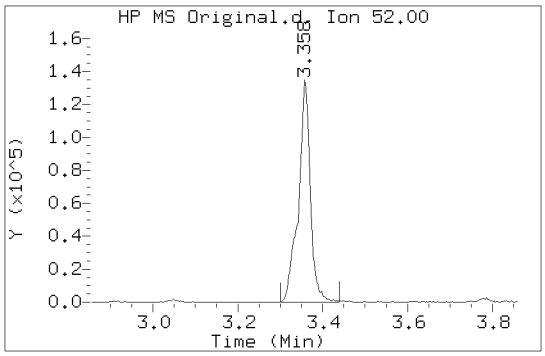
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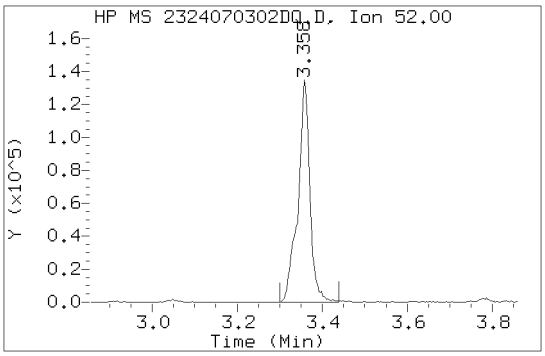
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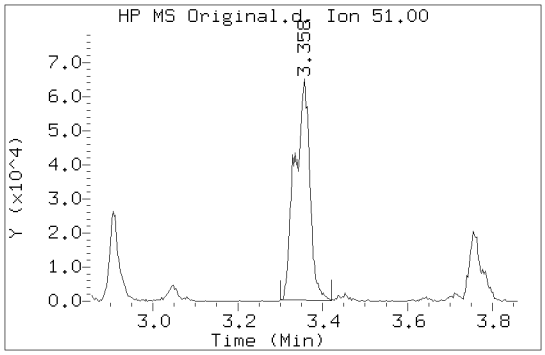
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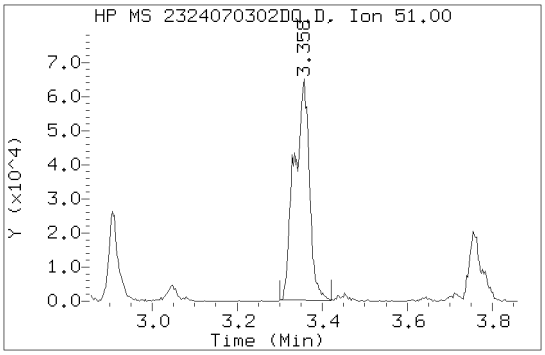
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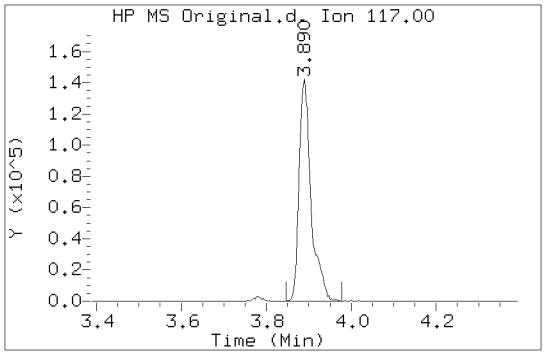
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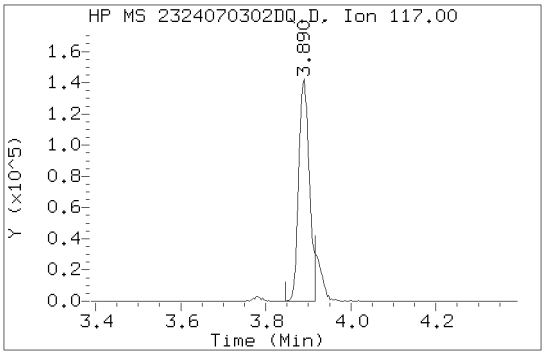
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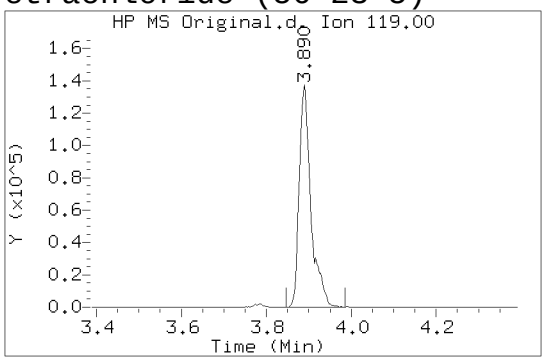


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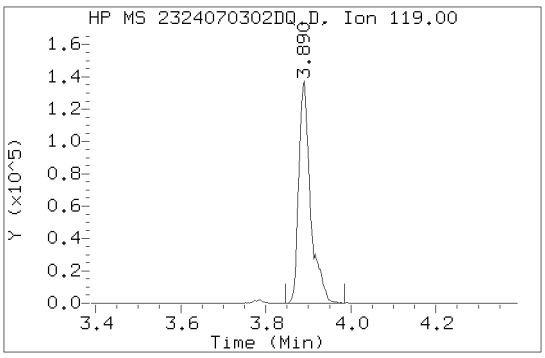
Carbon Tetrachloride (56-23-5)

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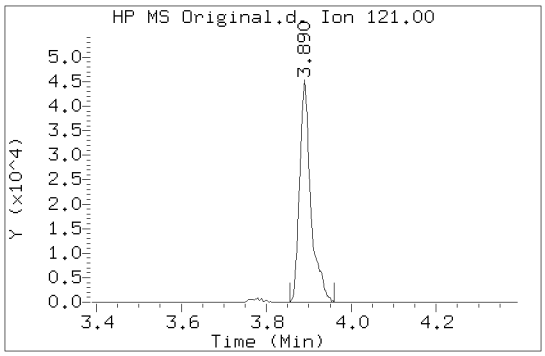
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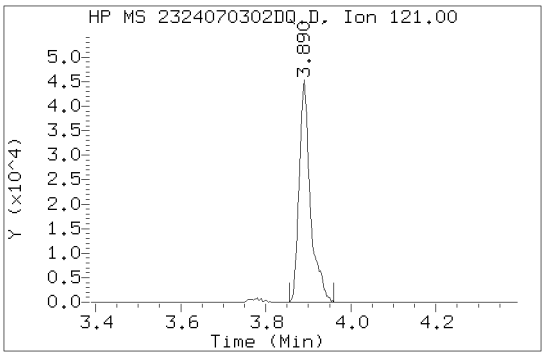
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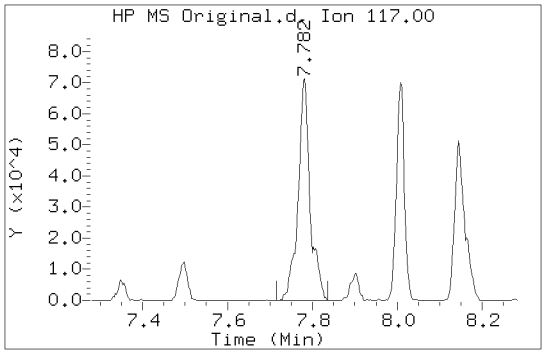
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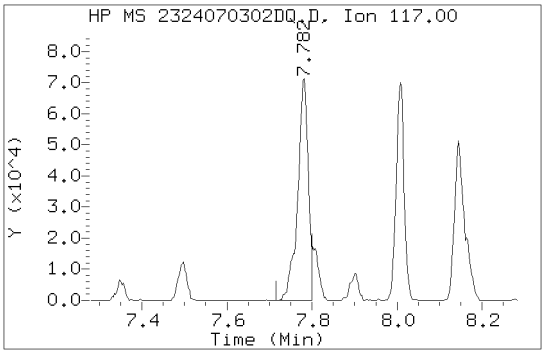
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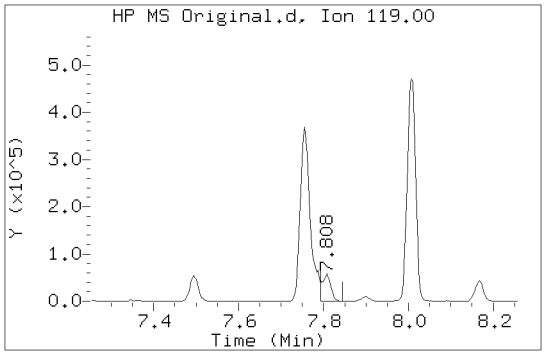
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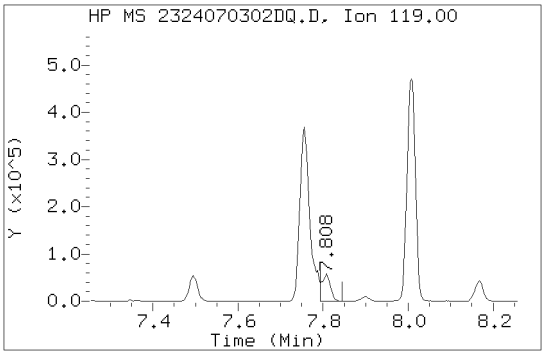
AFTER
MASS
117
AREA
120095
HEIGHT
71272
09-Jul-2024
13:17



BEFORE
MASS
119
AREA
82469
HEIGHT
59136
03-Jul-2024
10:38



AFTER
MASS
119
AREA
82469
HEIGHT
59136
09-Jul-2024
13:17



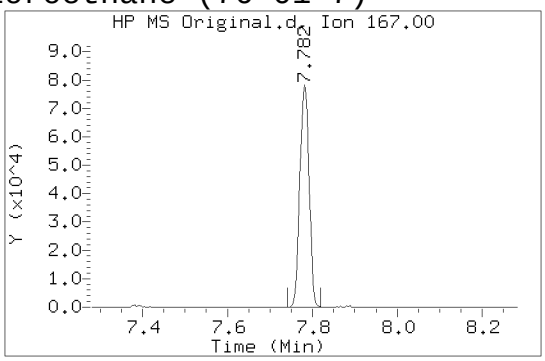
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Inj Date : 03-JUL-2024 10:06
InstruID : ms23.i
LabSampID : 3848064

Pentachloroethane (76-01-7)

Reason Code: MP

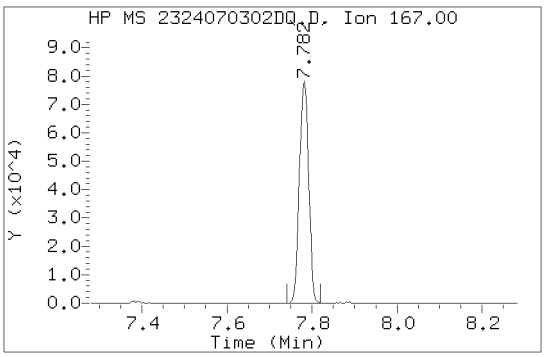
BEFORE

MASS
167
AREA
116406
HEIGHT
78296
03-Jul-2024
10:38



AFTER

MASS
167
AREA
116406
HEIGHT
78296
09-Jul-2024
13:17



UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:17
Client ID: LCS for HBN 1240942
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407030
Inj Date: 03-JUL-2024 10:06
Operator: TMP

There were no Unassigned peaks in this sample!

Data File: 2324070305DQ.D Page 1
Report Date: 09-Jul-2024 13:18

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070305DQ
Lab Smp Id: 3848063 Client Smp ID: MB for HBN 1240942
Inj Date : 03-JUL-2024 11:25
Operator : TMP Inst ID: ms23.i
Smp Info : 3848063;;1;3;;MB;;
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	Compound Not Detected.						
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	Compound Not Detected.						
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070305DQ.D
Report Date: 09-Jul-2024 13:18

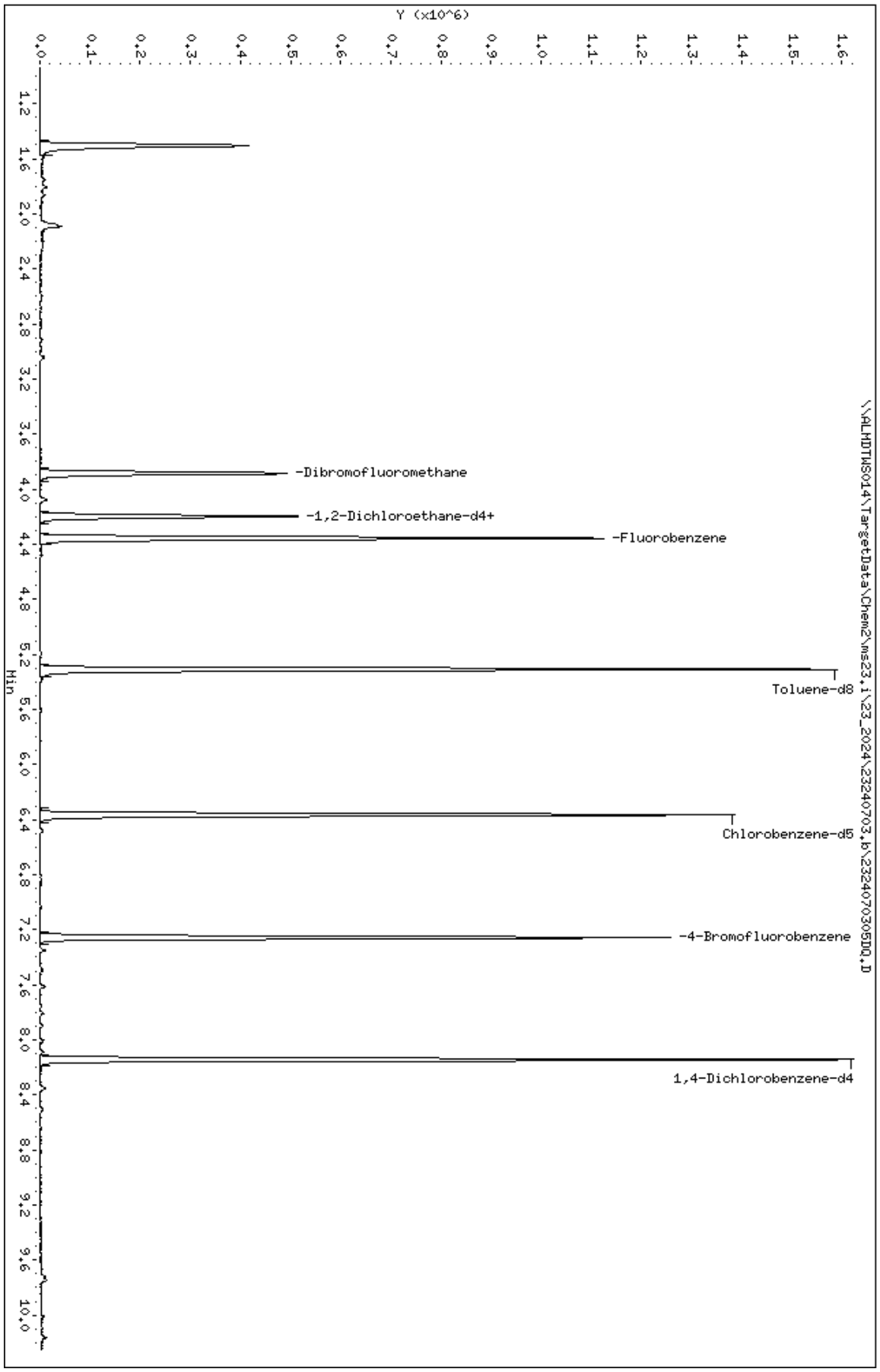
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	Compound Not Detected.						
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	233407	29.8611	29.8611	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	4.069	4.081	(0.934)	2607	0.57406	0.574056(aH)	
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.200	4.197	(0.964)	330123	29.9740	29.9740	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	795432	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	Compound Not Detected.						
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	855185	30.5374	30.5374	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070305DQ.D Page 3
Report Date: 09-Jul-2024 13:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.365	6.362	(1.000)	358772	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	302479	28.9756	28.9756	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	377330	30.0000		(Q)
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.


Data File: \\ALHDTWS014\TargetData\Chem2\ms23,i\23_2024\23240703,b\23240703005DQ,D
Date : 03-JUL-2024 11:25
Client ID: MB for HBN 1240942
Sample Info: 3848063;;1;3;;MB;;
Purge Volume: 5.0
Column phase: DB-VRX
Instrument: ms23,i
Operator: THP
Column diameter: 0.25
Page 1
Y (x10^6)
Min
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
-Fluorobenzene
Toluene-d8
Chlorobenzene-d5
-4-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\ALHDTWS014\TargetData\Chem2\ms23,i\23_2024\23240703,b\23240703005DQ,D

Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070305DQ
Inj Date : 03-JUL-2024 11:25
InstruID : ms23.i
LabSampID : 3848063

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:18
Client ID: MB for HBN 1240942
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407030
Inj Date: 03-JUL-2024 11:25
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
1-Chlorobutane
1-Chlorohexane
1,2-Dichloroethane
1,3-Dichloropropane
Isopropyl Alcohol
Pentane

Data File: 2324070307.D Page 1
Report Date: 09-Jul-2024 13:29

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D
Lab Smp Id: 3366026019 Client Smp ID: ICT14B_062024
Inj Date : 03-JUL-2024 12:10
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026019;;1;;;;;
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	1.849	1.849	(0.424)	18988	2.64971	2.64971	
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	2.584	2.578	(0.593)	31588	3.27161	3.27161	
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.593	2.590	(0.595)	957168	152.162	152.162	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	3.001	3.001	(0.689)	4381	0.49735	0.497348(aQ)	
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070307.D Page 2
Report Date: 09-Jul-2024 13:29

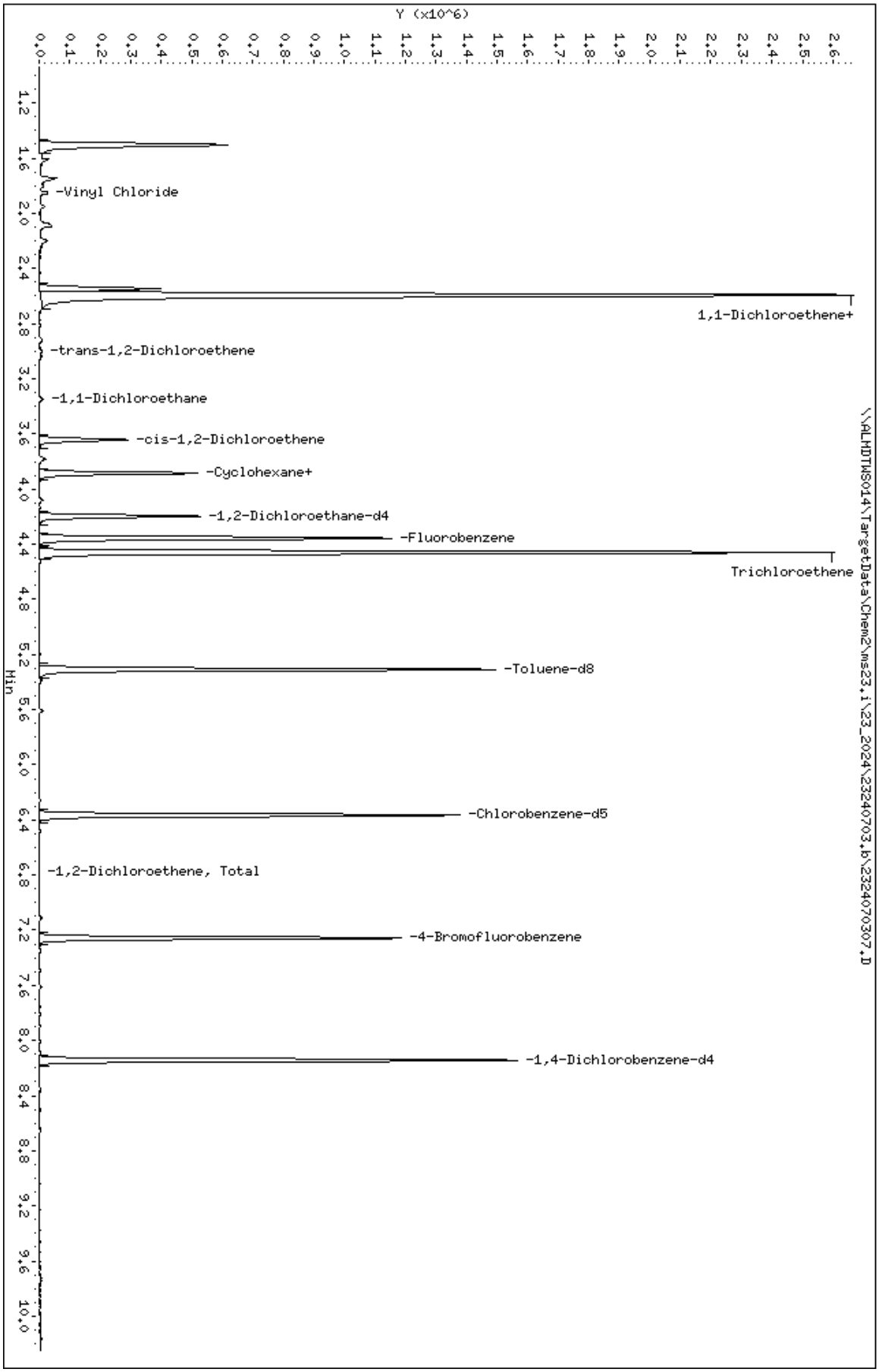
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	3.346	3.346	(0.768)	8300	0.70974	0.709739(a)	
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.644	3.641	(0.837)	125624	13.2620	13.2620	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				130005	13.7594	13.7594	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	3.780	3.780	(0.868)	5549	0.55467	0.554670(a)	
	36 Chloroform	83	3.777	3.780	(0.867)	5742	0.37729	0.377291(a)	
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	230867	29.6360	29.6360	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.200	4.197	(0.964)	332114	30.2567	30.2567	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	792751	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.460	4.457	(1.024)	670529	86.0848	86.0848	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	799368	29.0013	29.0013	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070307.D Page 3
Report Date: 09-Jul-2024 13:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.365	6.362	(1.000)	353118	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	293384	28.3840	28.3840	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	373612	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.



Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D
Date : 03-JUL-2024 12:10
Client ID: ICT14B_062024
Sample Info: 336602619;;1;;;;;
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms23.i
Operator: THP
Column diameter: 0.25

Page 1

Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D Page 2

Date : 03-JUL-2024 12:10

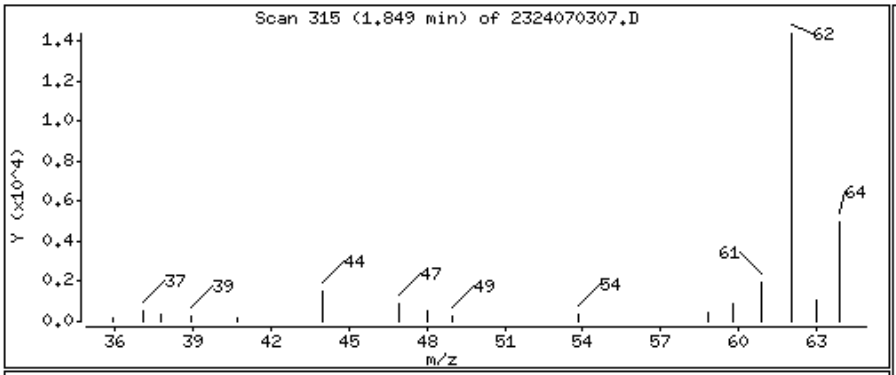
Client ID: ICT14B_062024 Instrument: ms23.i

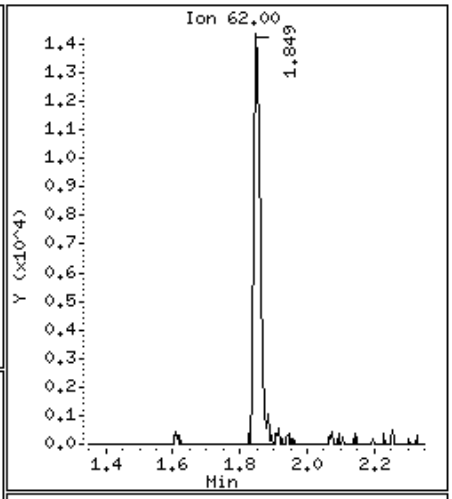
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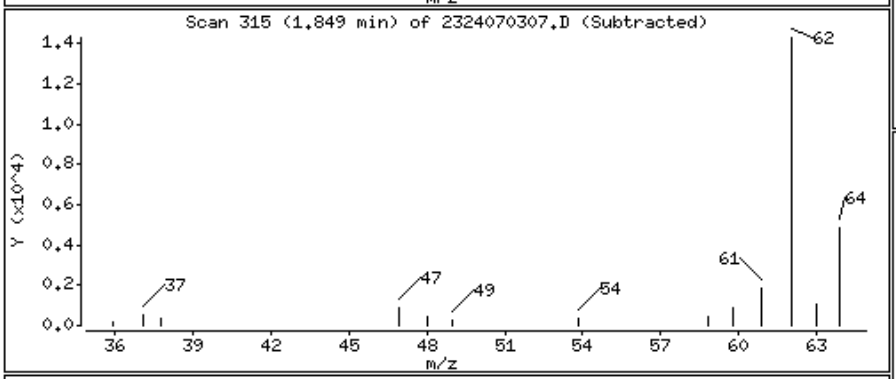
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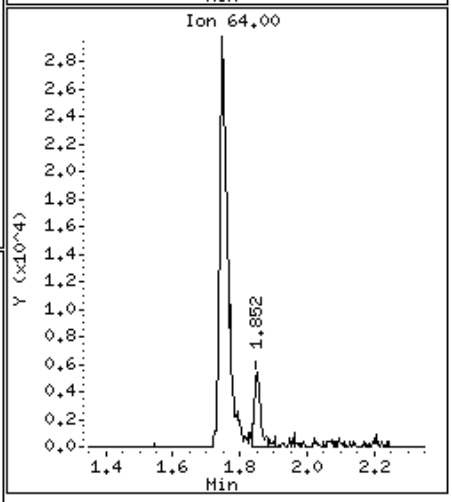
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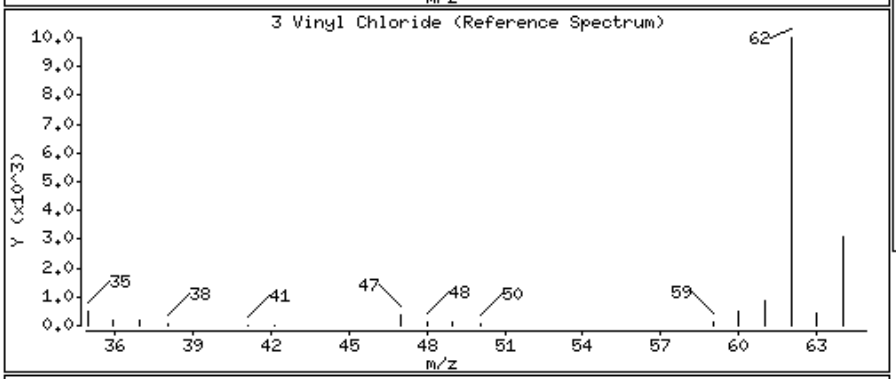
3 Vinyl Chloride Concentration: 2.64971 ug/L

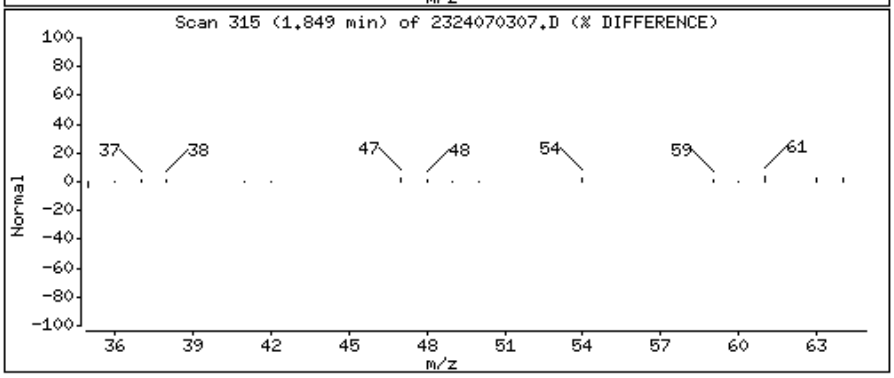












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D Page 3

Date : 03-JUL-2024 12:10

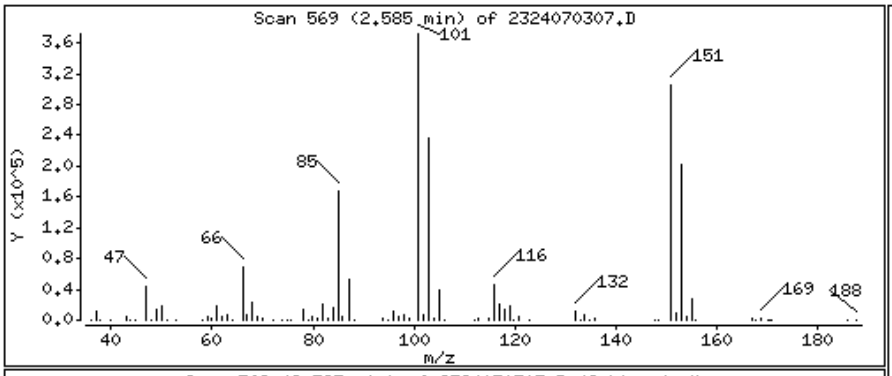
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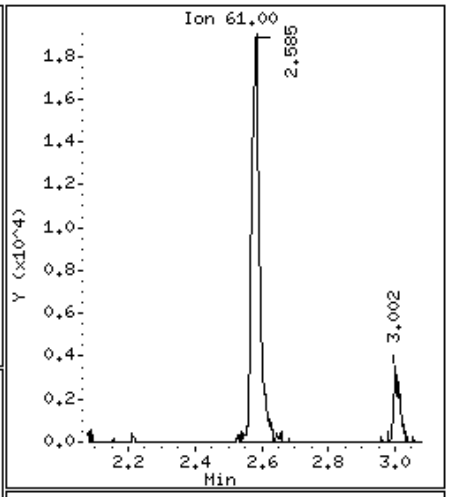
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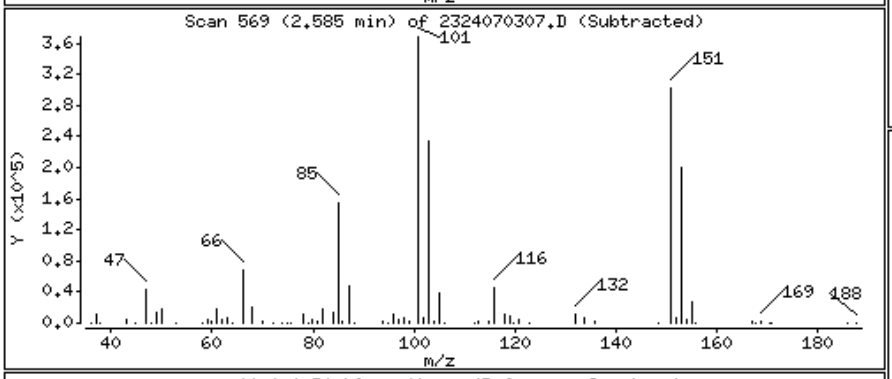
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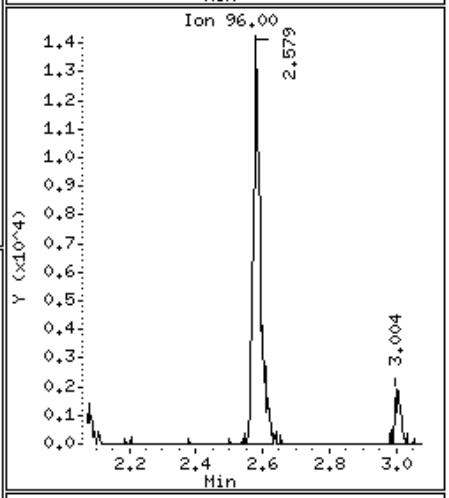
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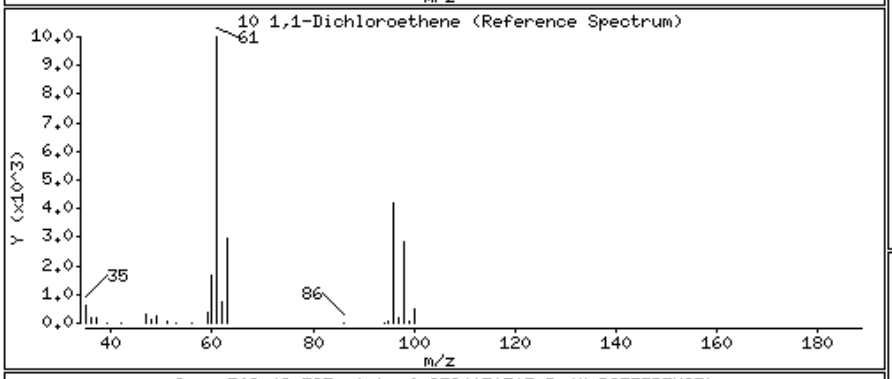
10 1,1-Dichloroethene Concentration: 3.27161 ug/L

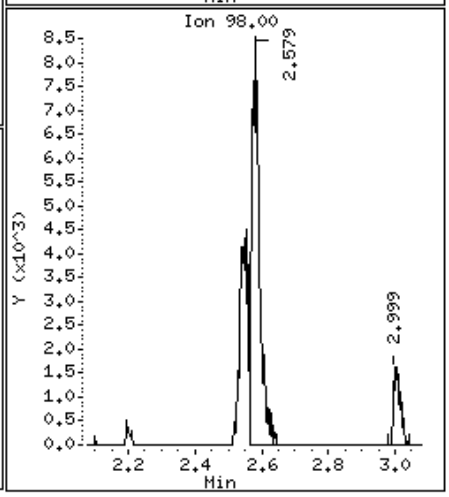


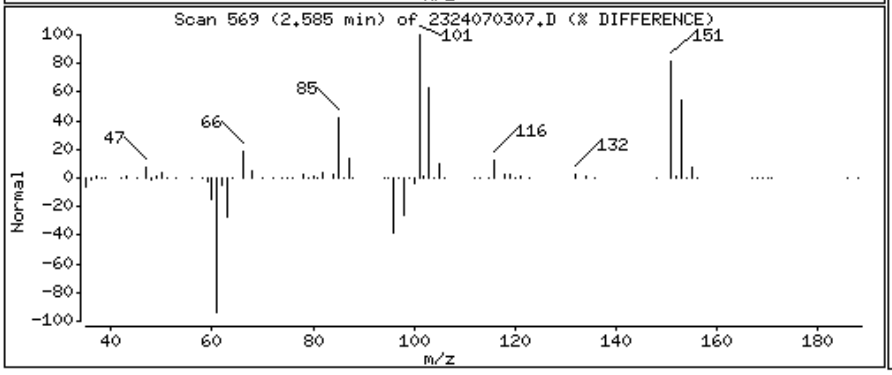












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D Page 4

Date : 03-JUL-2024 12:10

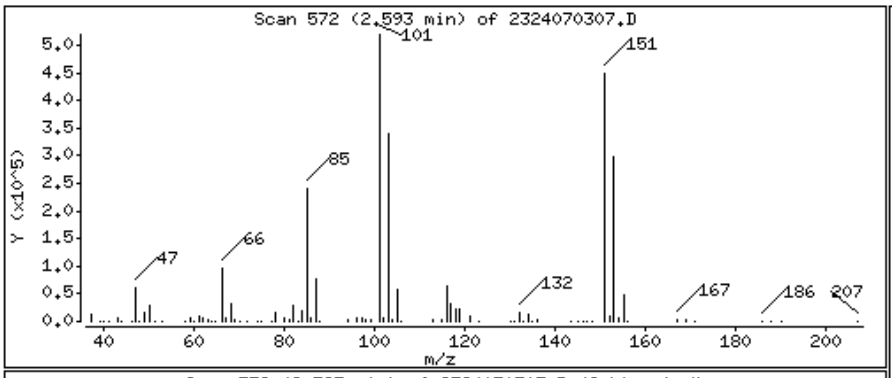
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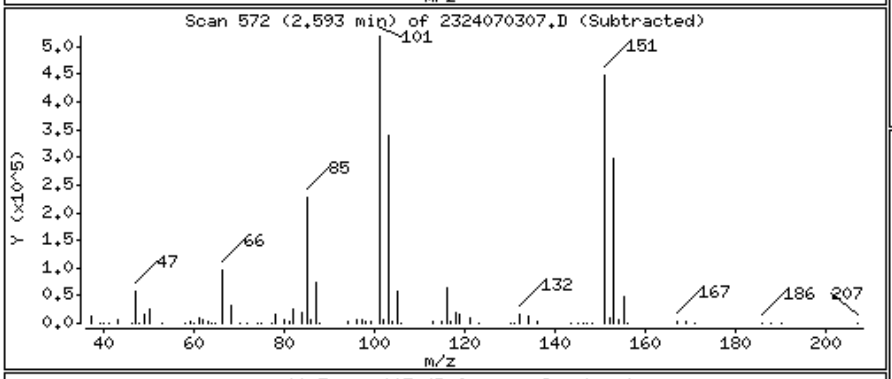
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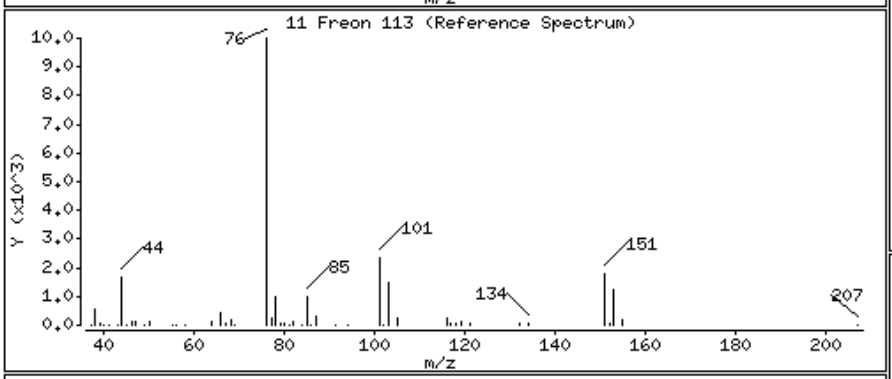
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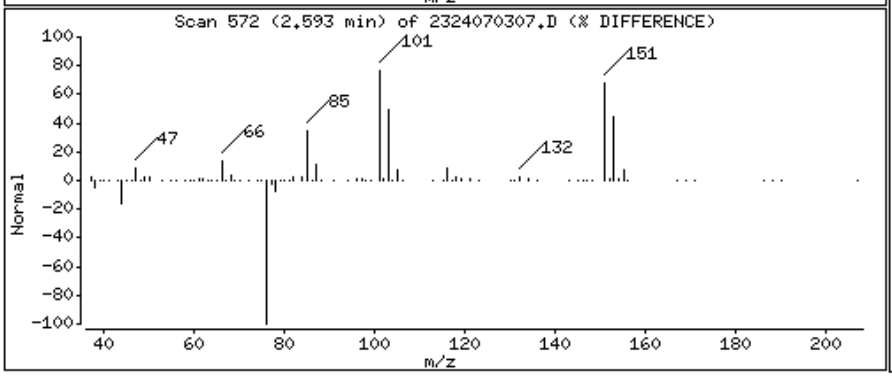
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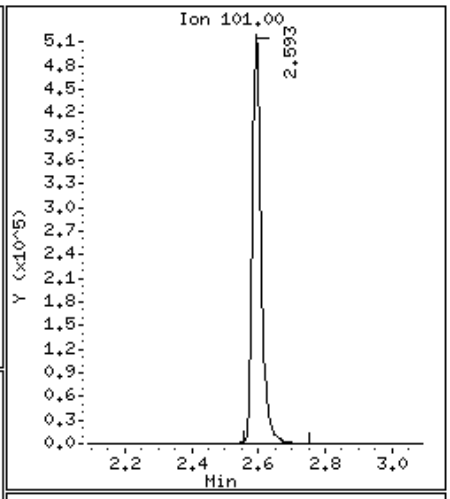
11 Freon 113 Concentration: 152.162 ug/L

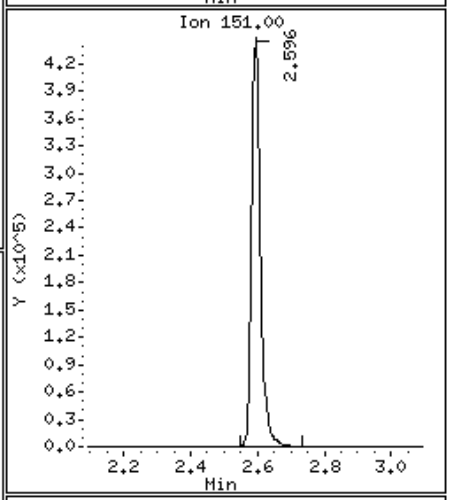


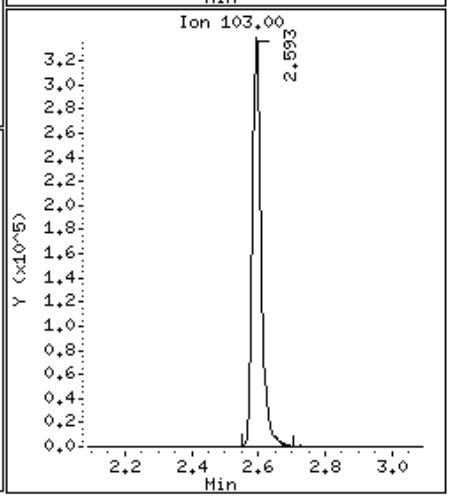












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Date : 03-JUL-2024 12:10

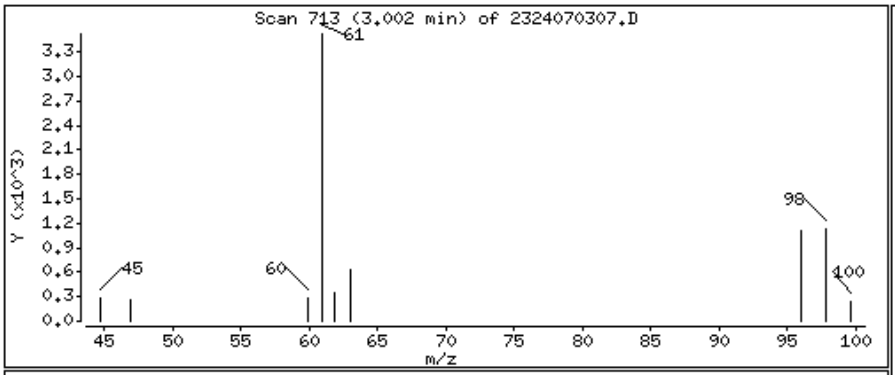
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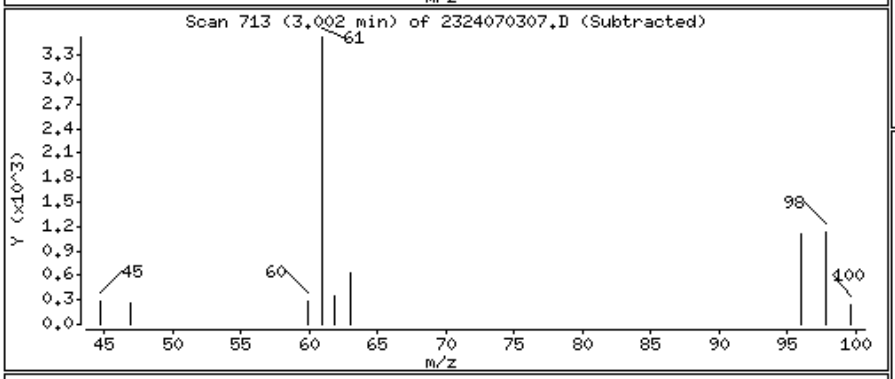
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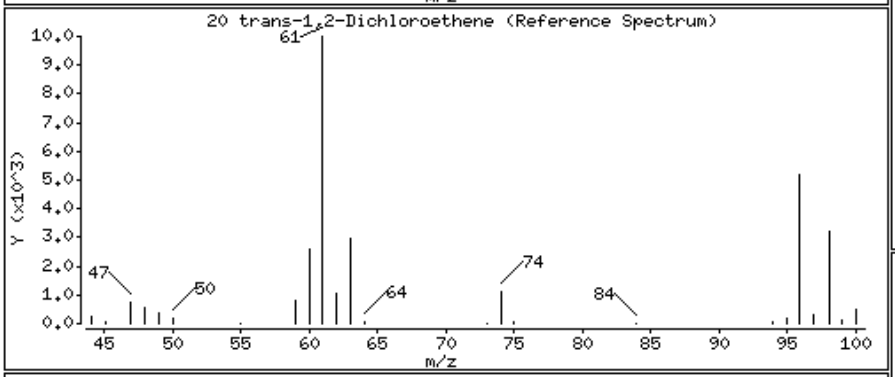
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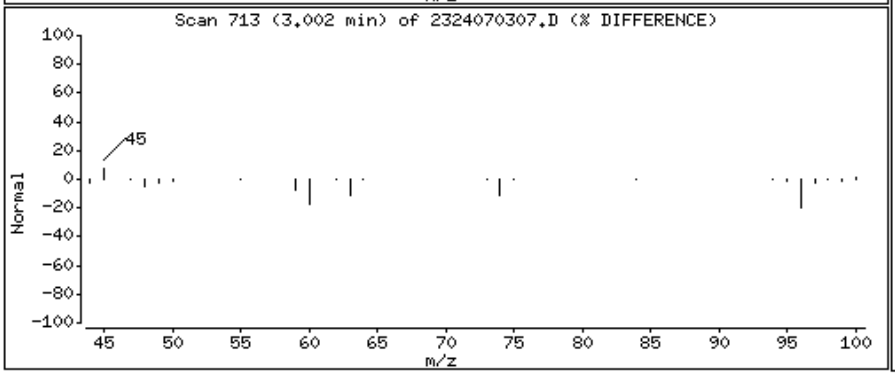
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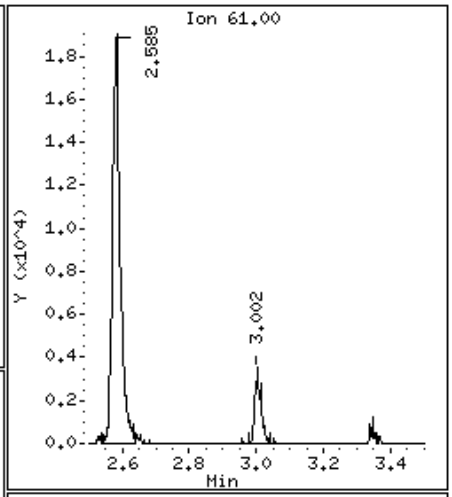
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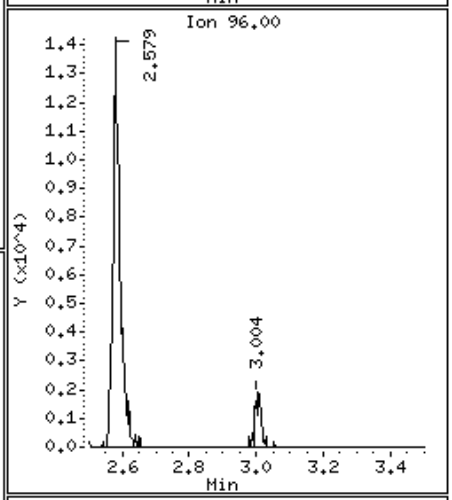


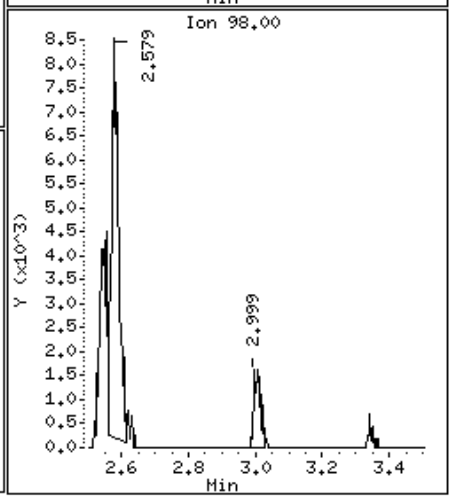












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D Page 6

Date : 03-JUL-2024 12:10

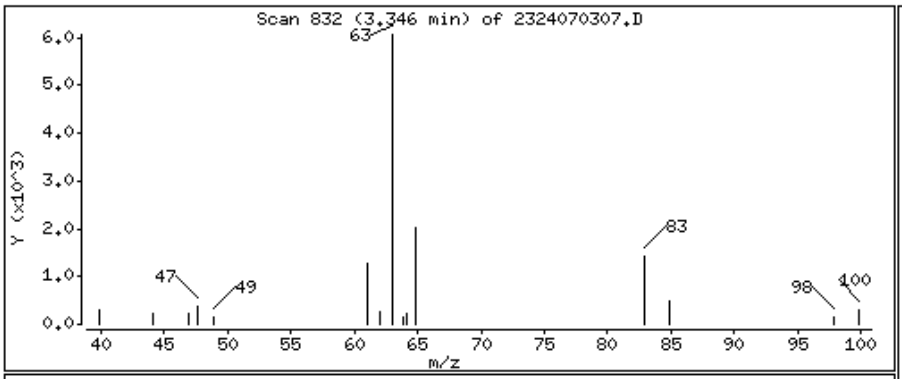
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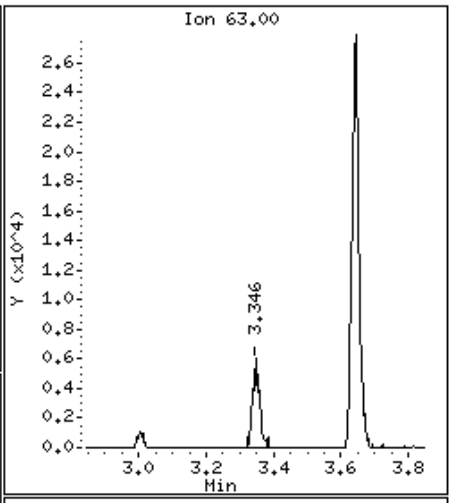
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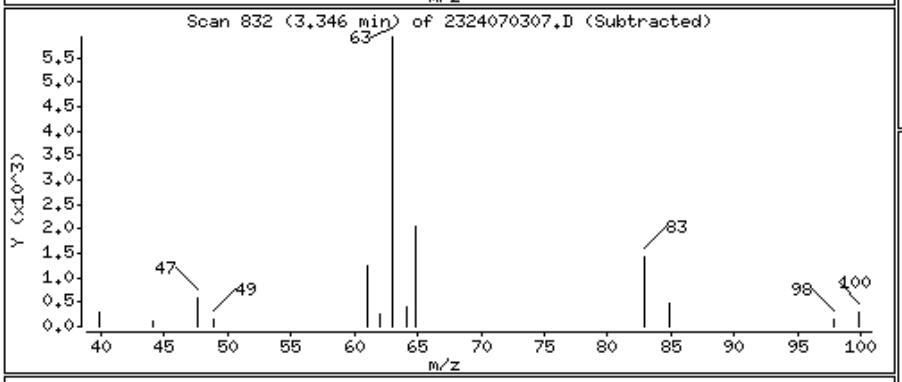
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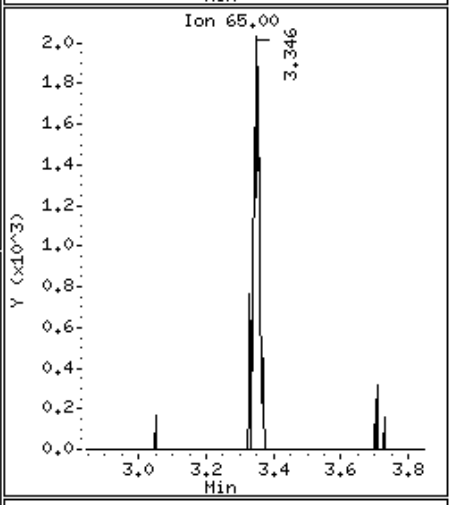
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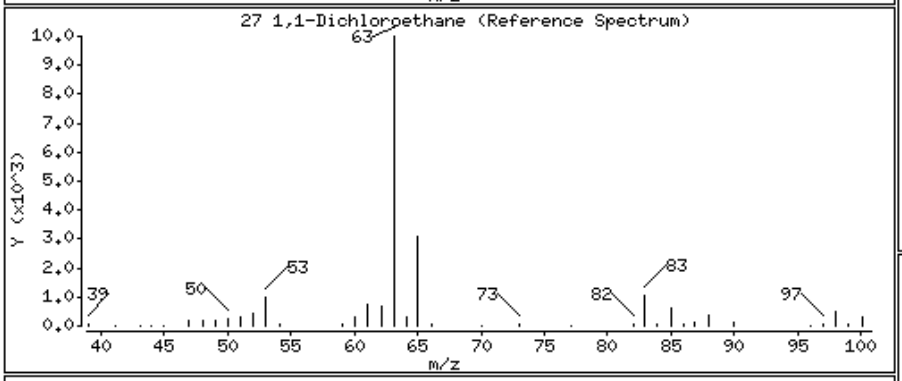
27 1,1-Dichloroethane Concentration: 0.709739 ug/L

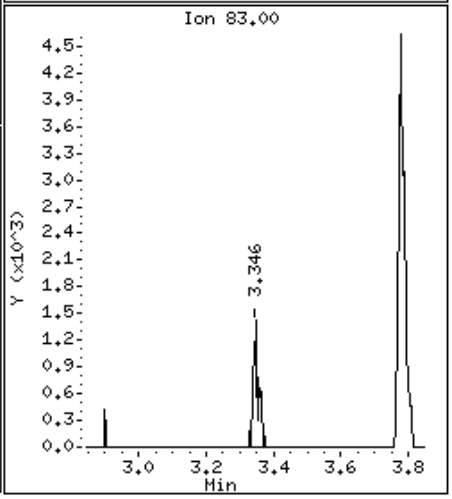


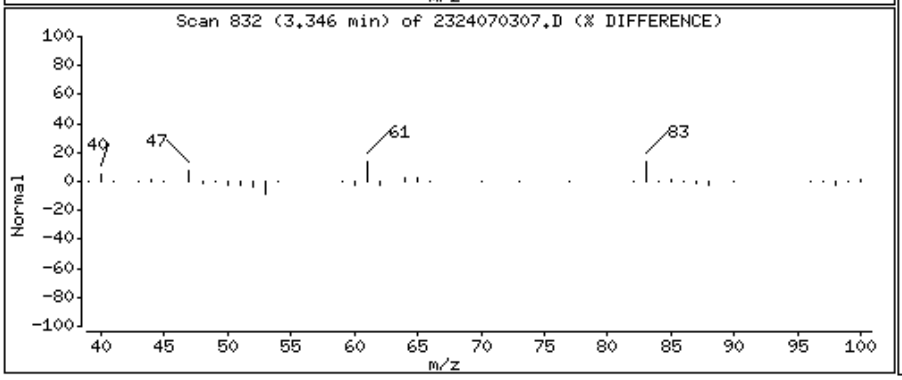












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D Page 7

Date : 03-JUL-2024 12:10

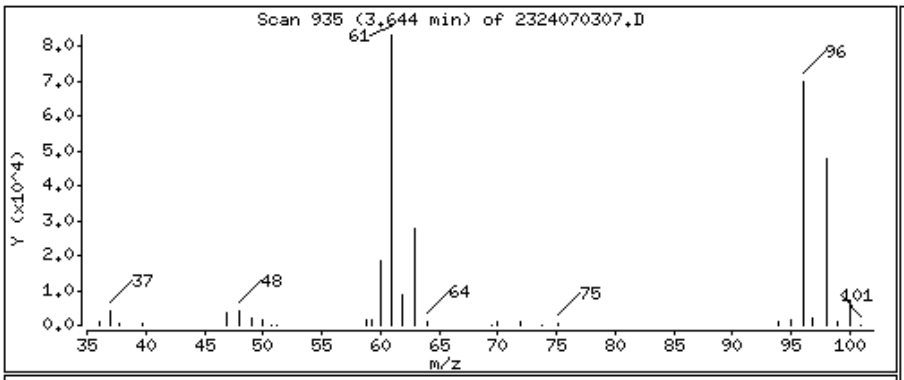
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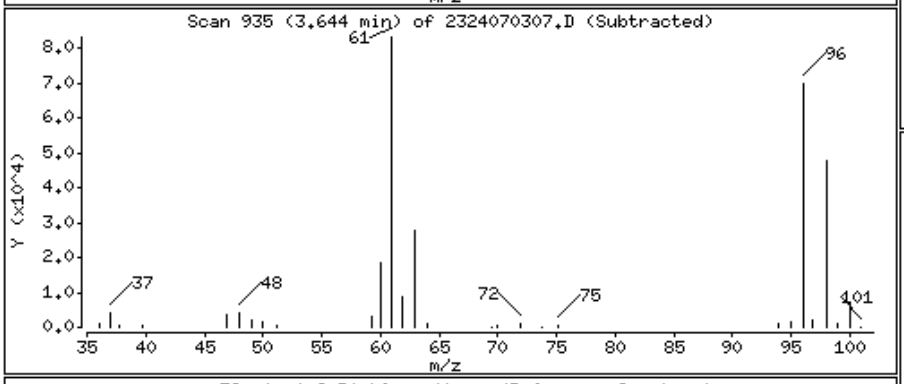
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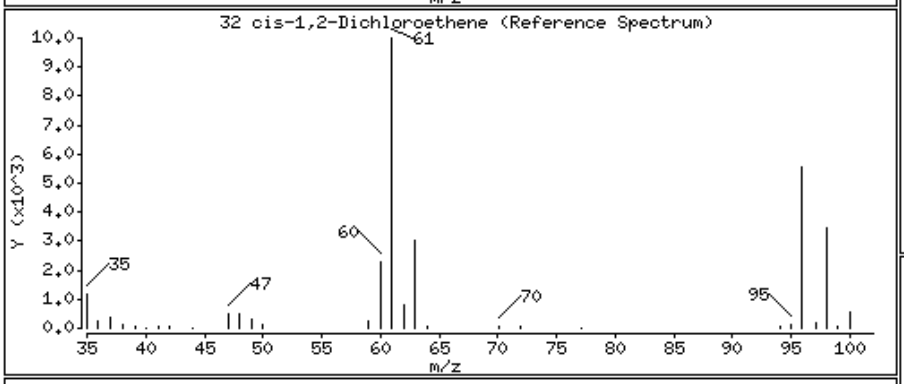
Purge Volume: 5.0 Operator: TMP

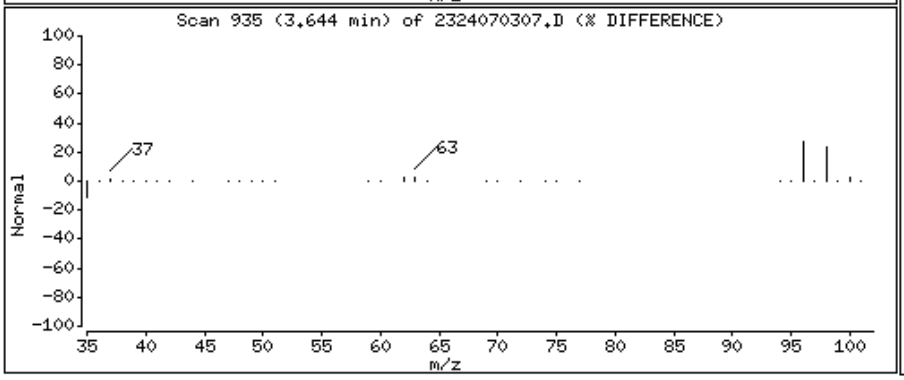
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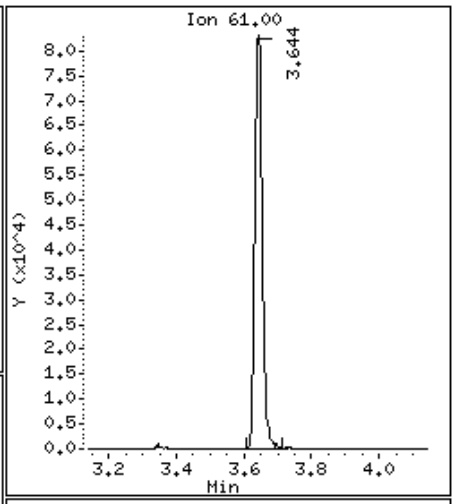
32 cis-1,2-Dichloroethene Concentration: 13.2620 ug/L

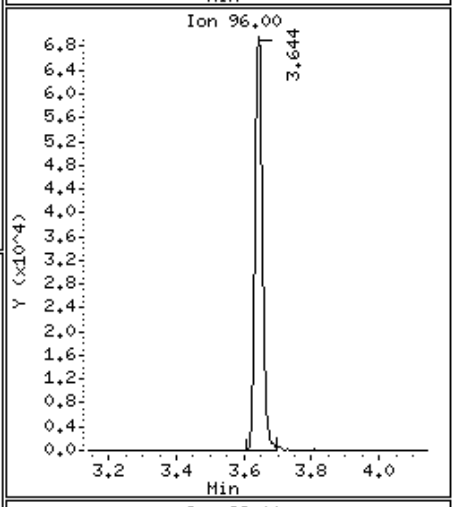


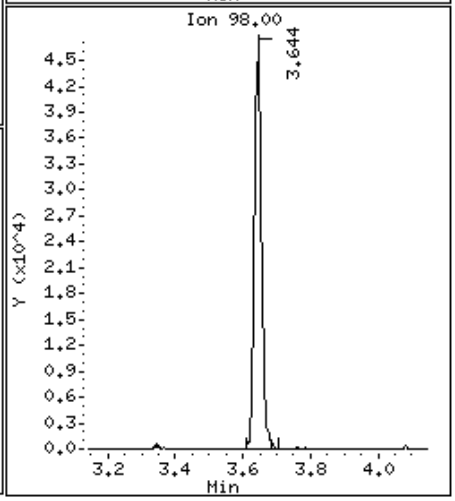












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D Page 8

Date : 03-JUL-2024 12:10

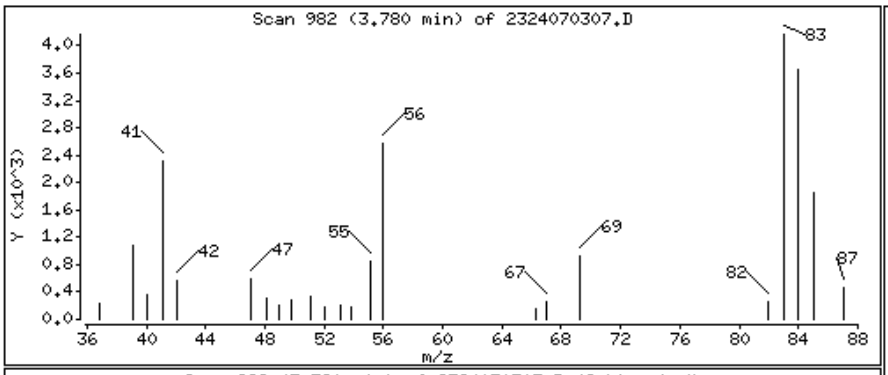
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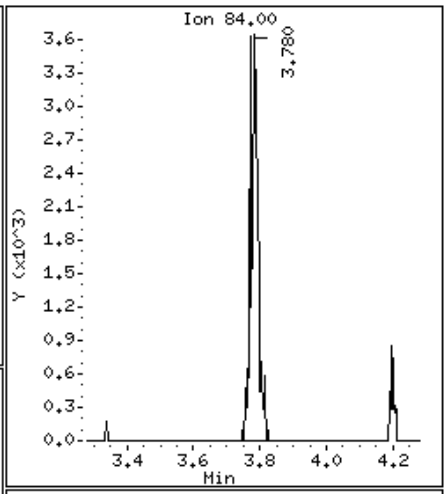
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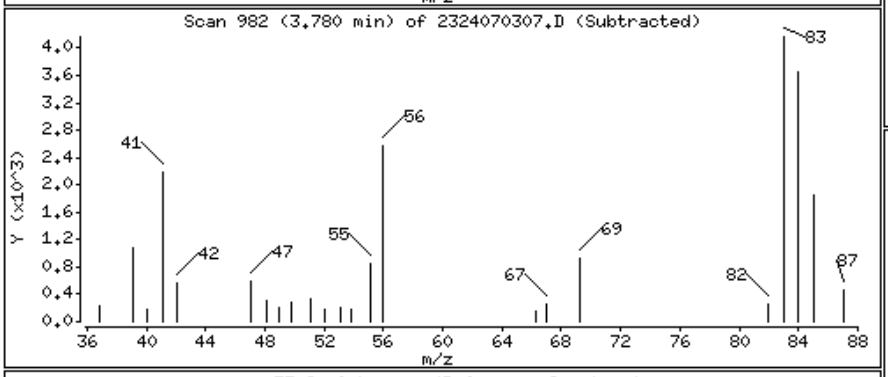
Purge Volume: 5.0 Operator: TMP

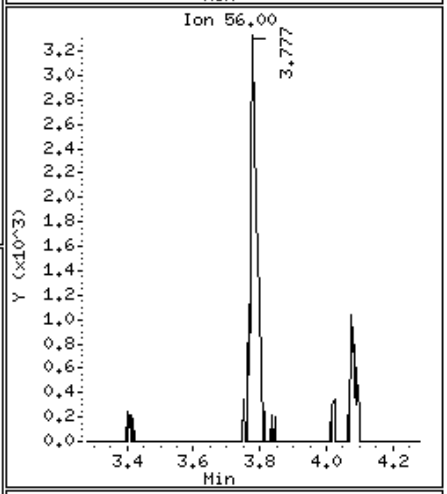
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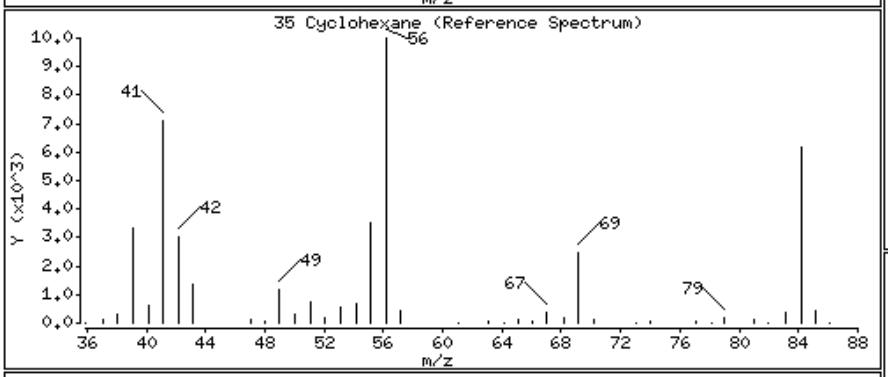
35 Cyclohexane Concentration: 0.554670 ug/L

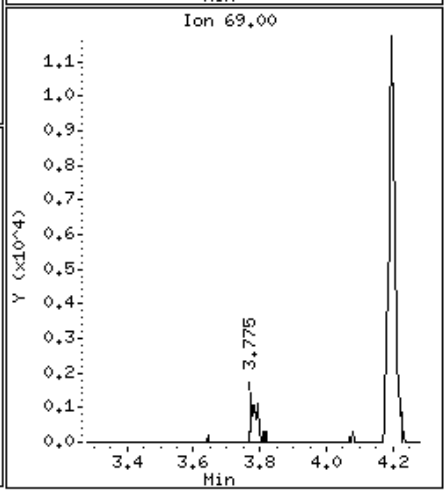


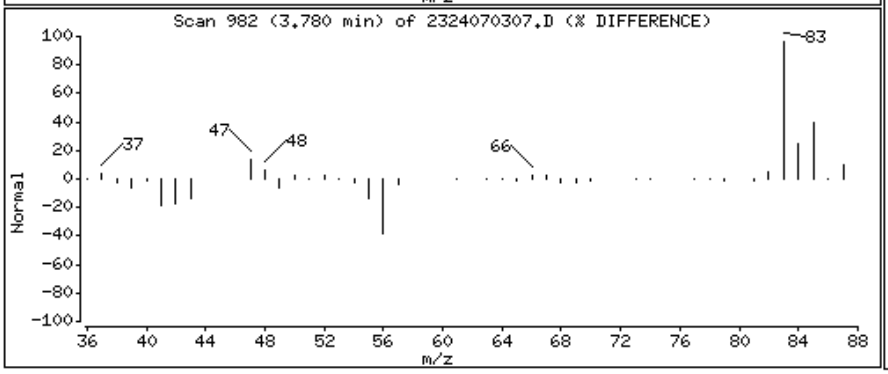












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D Page 9

Date : 03-JUL-2024 12:10

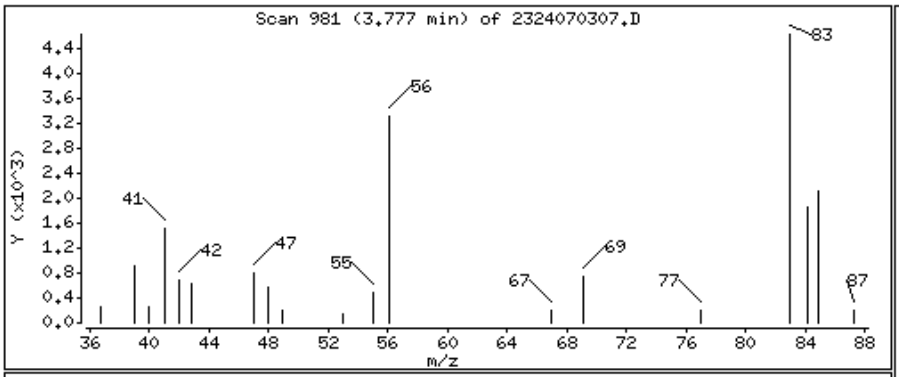
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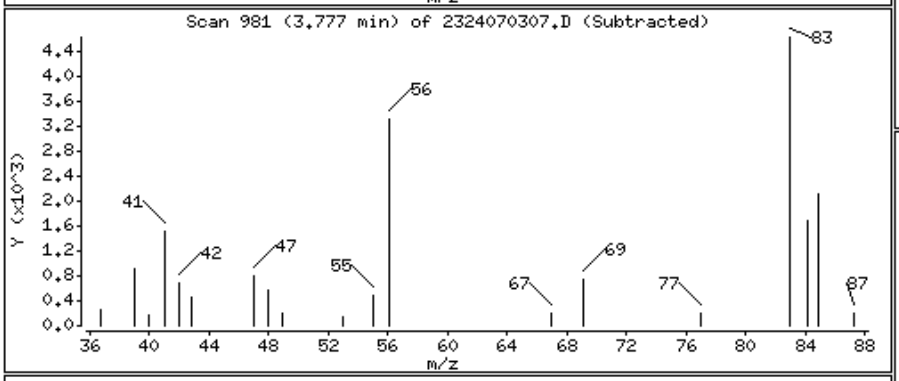
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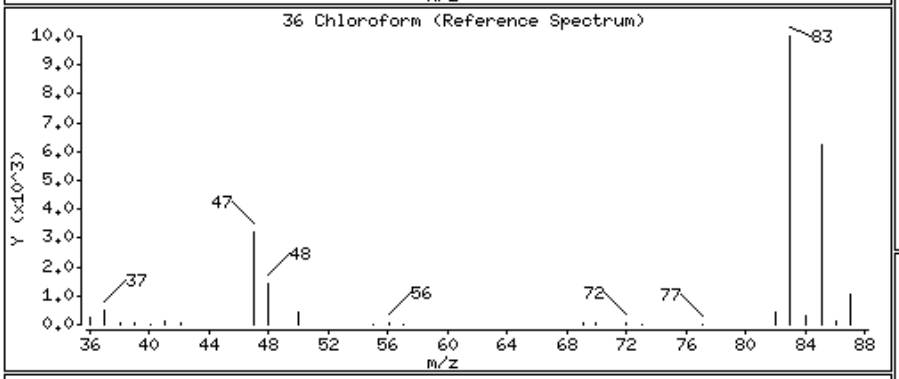
Purge Volume: 5.0 Operator: TMP

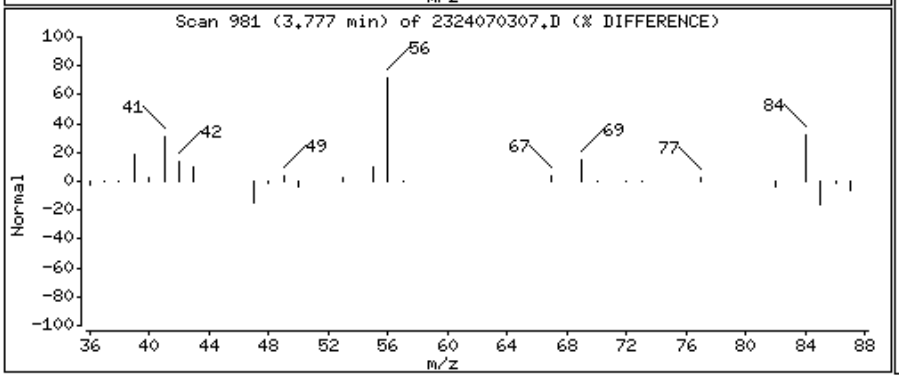
Column phase: DB-VRX Column diameter: 0.25

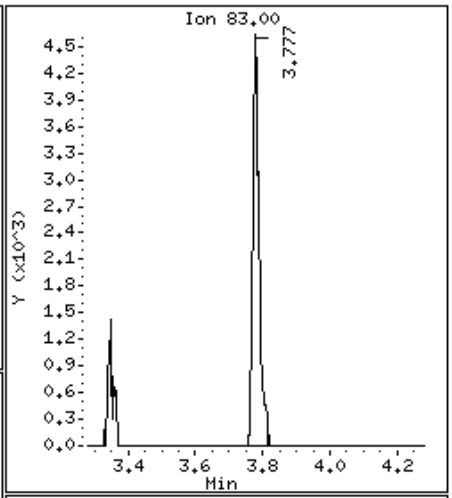
36 Chloroform Concentration: 0.377291 ug/L

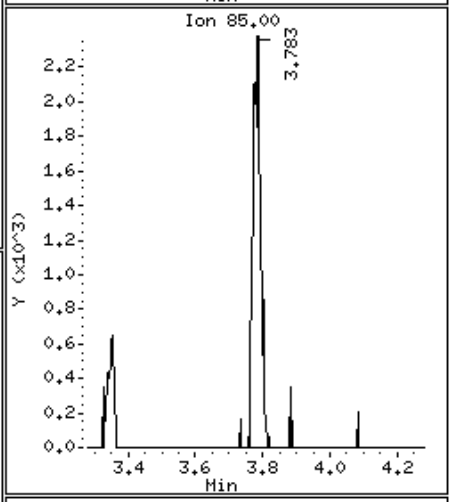


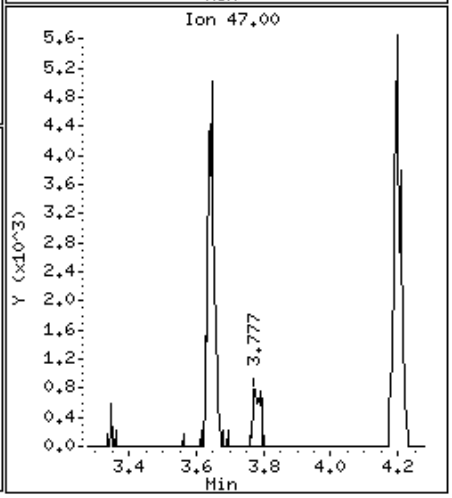












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D Page 10

Date : 03-JUL-2024 12:10

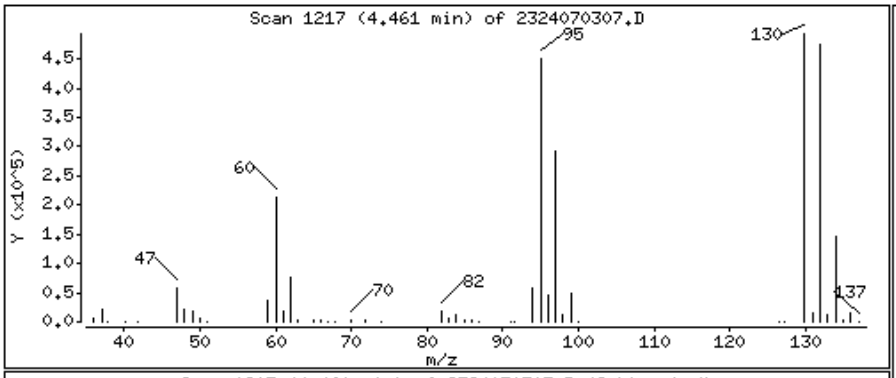
Client ID: ICT14B_062024 Instrument: ms23.i

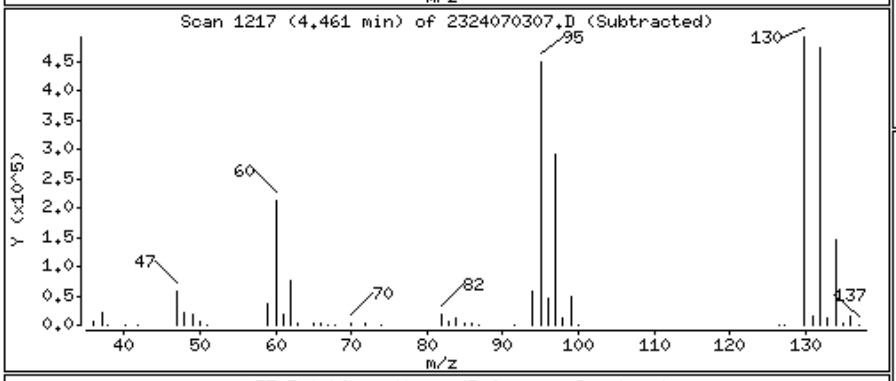
Sample Info: 3366026019;;1;;;;;

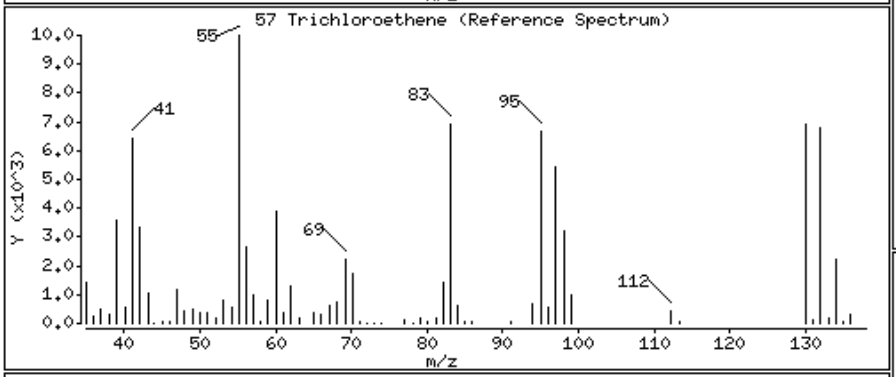
Purge Volume: 5.0 Operator: TMP

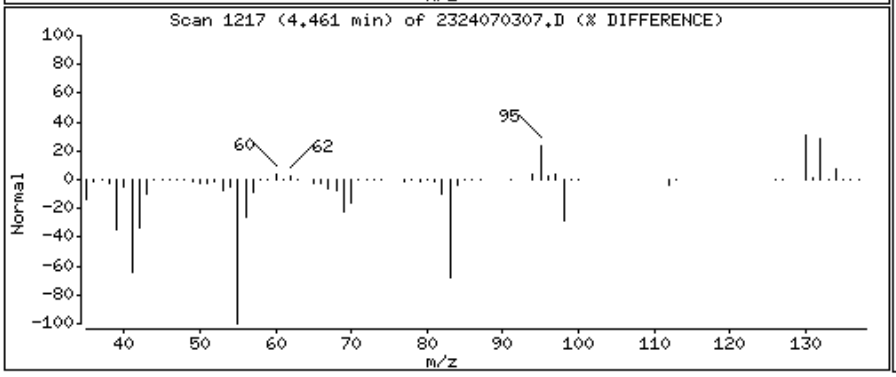
Column phase: DB-VRX Column diameter: 0.25

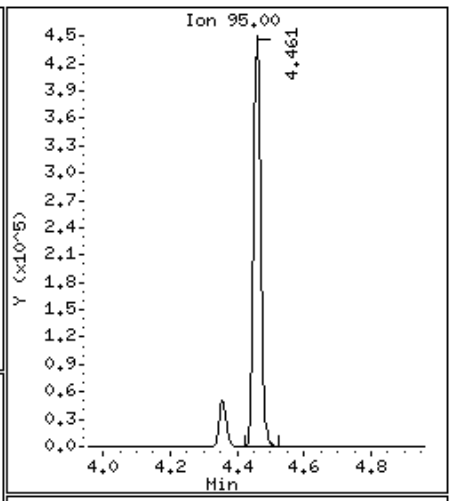
57 Trichloroethene Concentration: 86.0848 ug/L

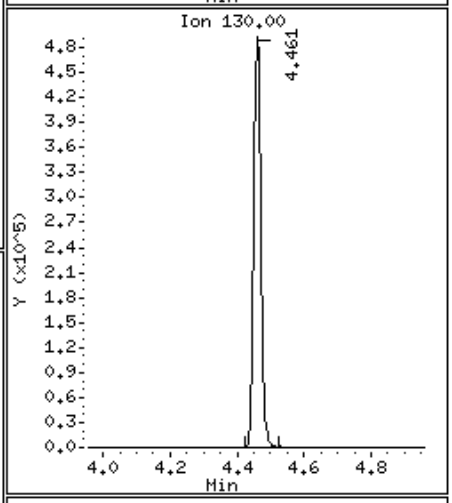


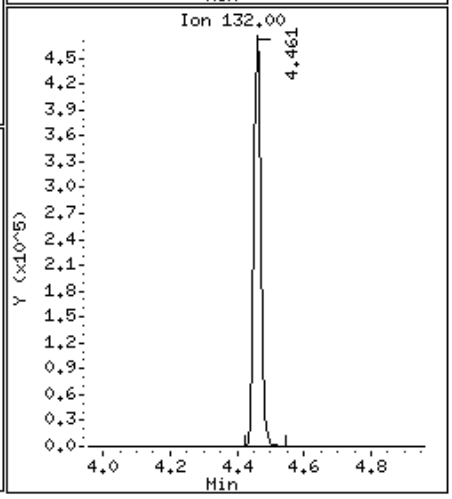












Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070307.D
Inj Date : 03-JUL-2024 12:10
InstruID : ms23.i
LabSampID : 3366026019

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:29
Client ID: ICT14B_062024
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407030
Inj Date: 03-JUL-2024 12:10
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
tert.- Butyl Alcohol
1-Chlorohexane
Dichlorofluoromethane
Isopropyl Alcohol
Methyl acrylate
Methylene Chloride
1,1,1-Trichloroethane
Bromodichloromethane
1-Chlorobutane
1,2-Dichloroethane
1,3-Dichloropropane
Methyl acetate
Methyl cyclohexane
Pentane
Trichlorofluoromethane

Data File: 2324070308.D Page 1
Report Date: 09-Jul-2024 13:30

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070308.D
Lab Smp Id: 3366026024 Client Smp ID: ICT13D_062024_a
Inj Date : 03-JUL-2024 12:30
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026024;;1;;;;;
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	1.782	1.788	(0.409)	2818	0.41044	0.410444(a)	
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	Compound Not Detected.						
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.590	2.590	(0.595)	43095	6.92037	6.92037	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070308.D Page 2
Report Date: 09-Jul-2024 13:30

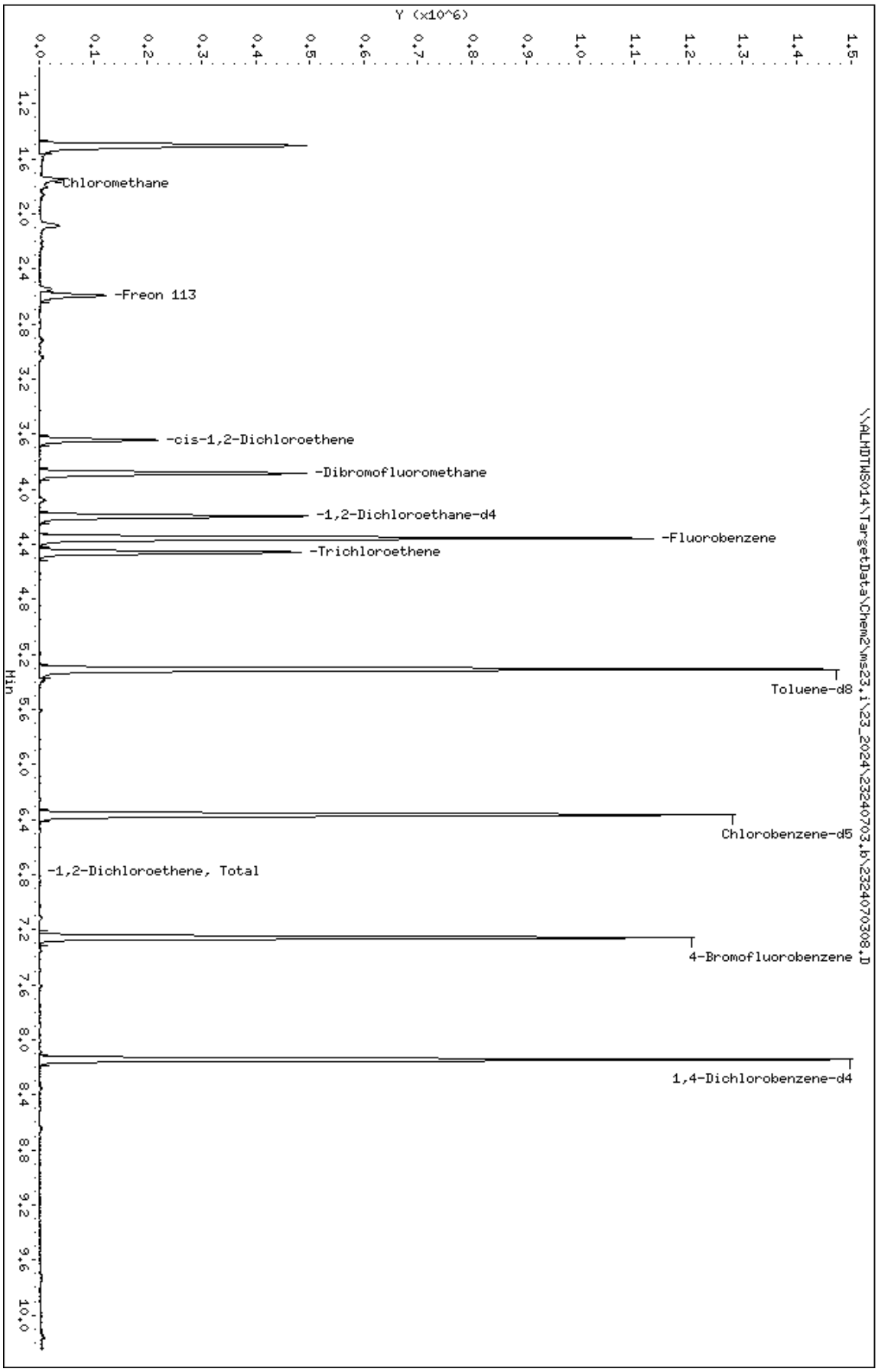
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.644	3.641	(0.837)	95753	10.2112	10.2112	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				95753	10.2112	10.2112	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	224735	29.1416	29.1416	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	318629	29.3228	29.3228	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	784786	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.460	4.457	(1.024)	126237	16.3712	16.3712	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	803491	30.4661	30.4661	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070308.D Page 3
Report Date: 09-Jul-2024 13:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.365	6.362	(1.000)	337874	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	296042	31.2202	31.2202	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	342749	30.0000		(Q)
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.



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Sample Info: 33660260242;1;;;;;;
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms23.i
Operator: THP
Column diameter: 0.25

Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070308.D Page 2

Date : 03-JUL-2024 12:30

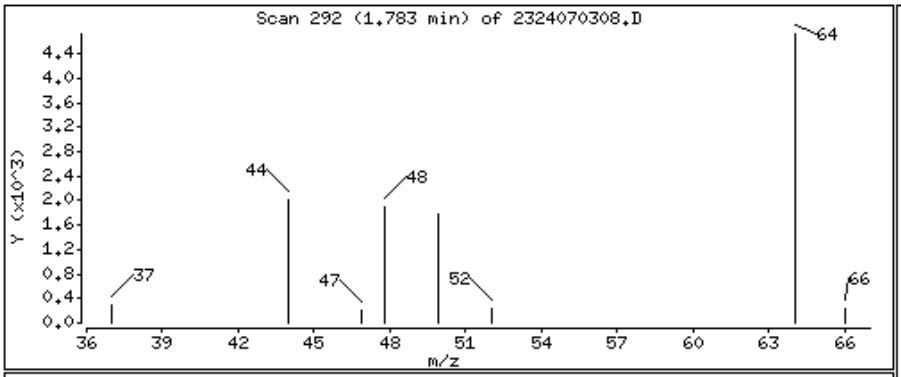
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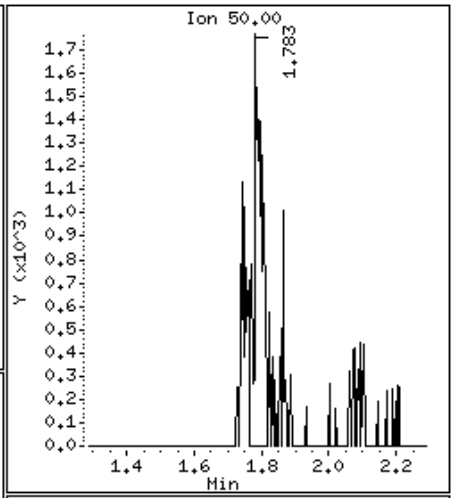
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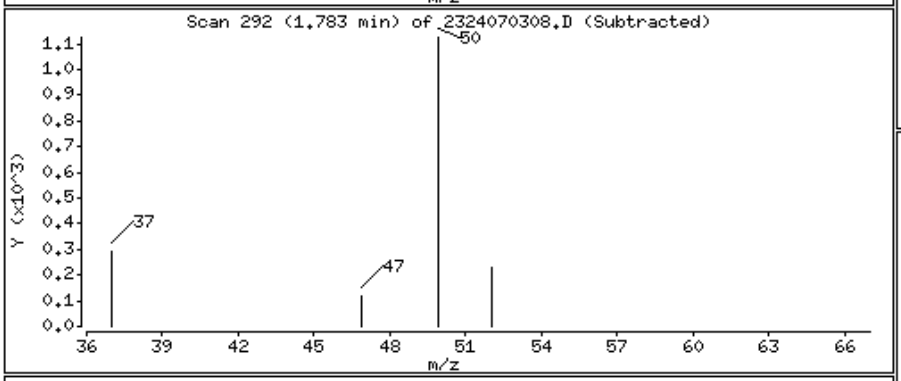
Purge Volume: 5.0 Operator: TMP

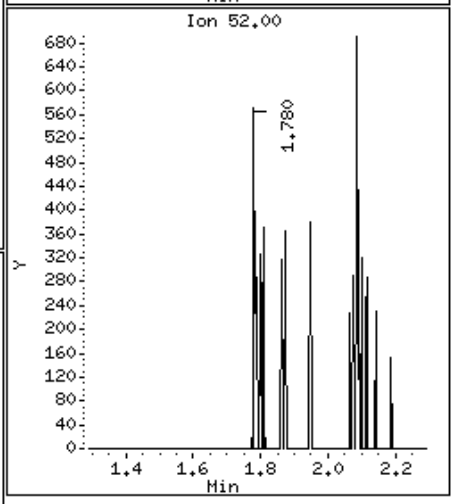
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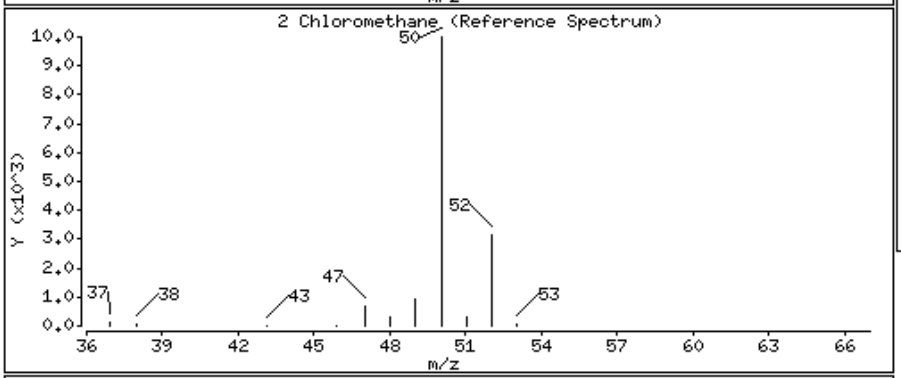
2 Chloromethane Concentration: 0.410444 ug/L

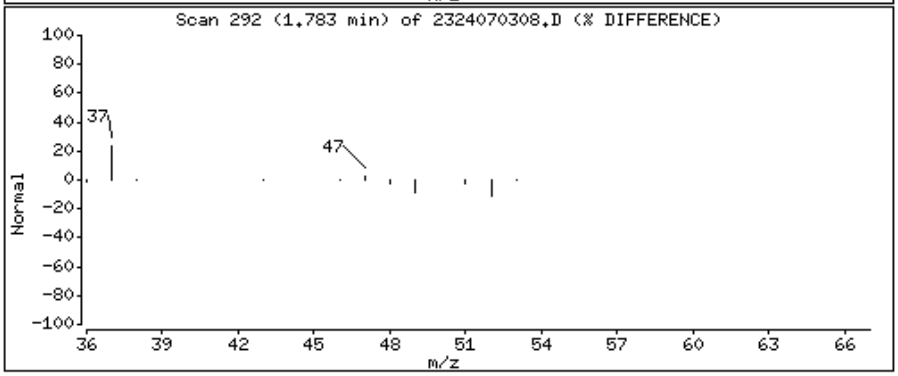












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070308.D Page 3

Date : 03-JUL-2024 12:30

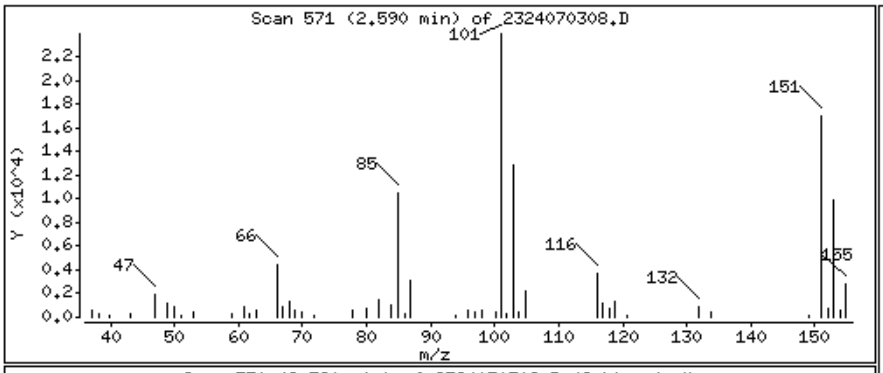
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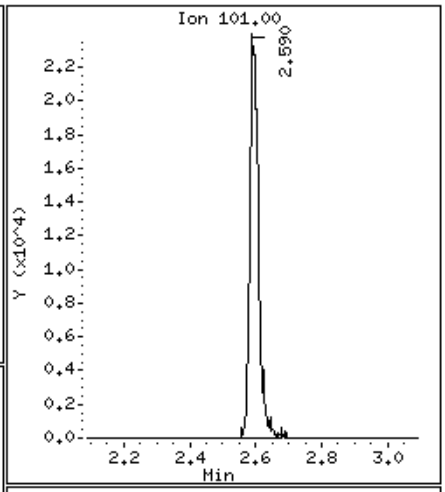
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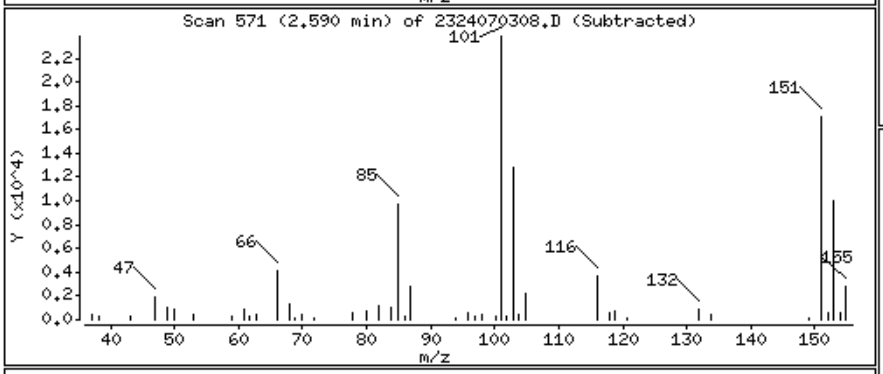
Purge Volume: 5.0 Operator: TMP

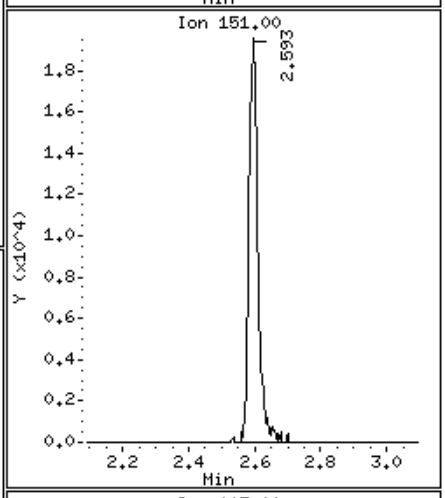
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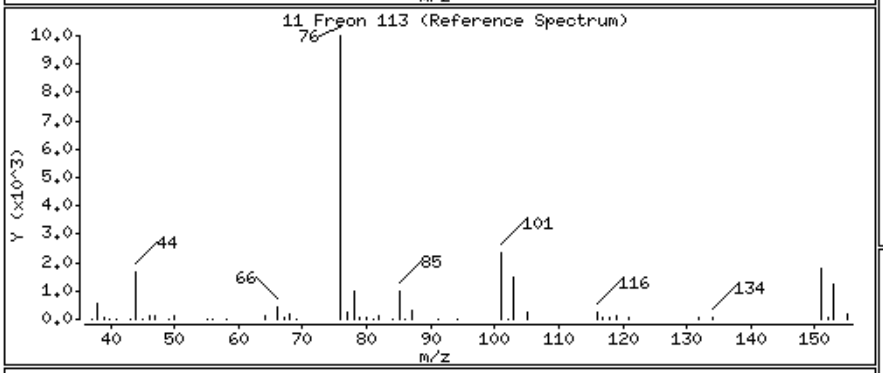
11 Freon 113 Concentration: 6.92037 ug/L

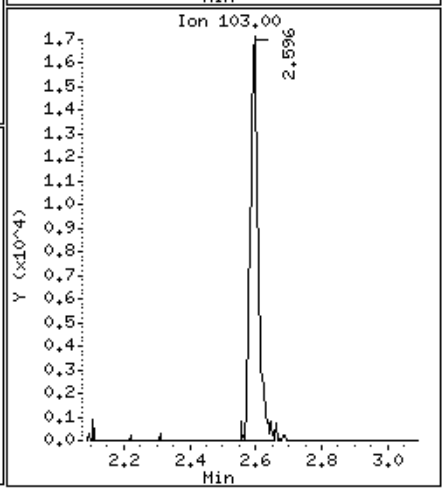


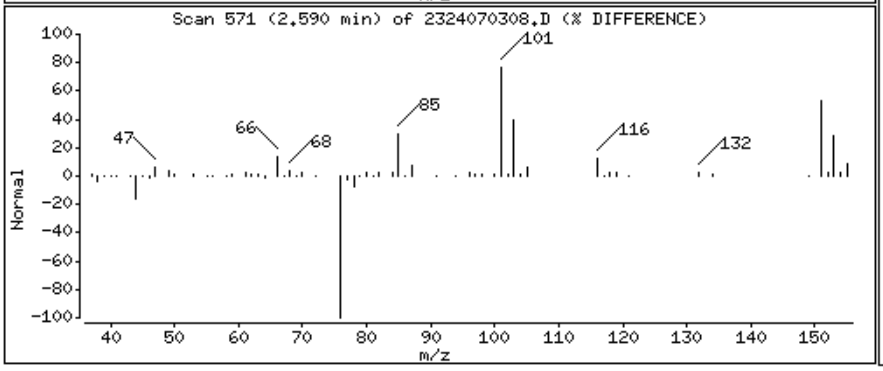












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070308.D Page 4

Date : 03-JUL-2024 12:30

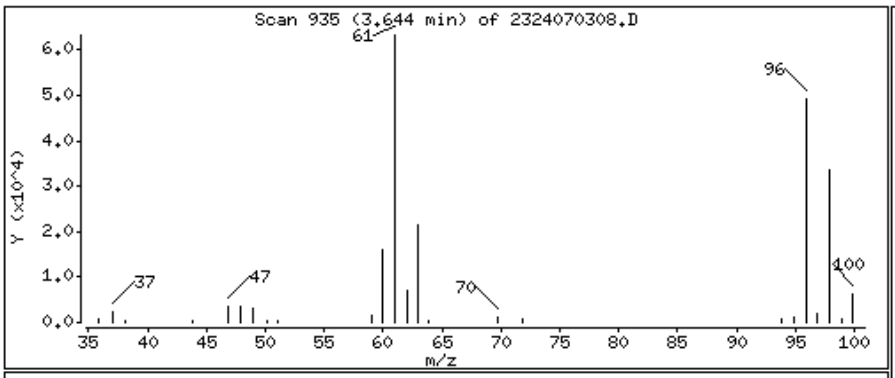
Client ID: ICT13D_062024_a Instrument: ms23.i

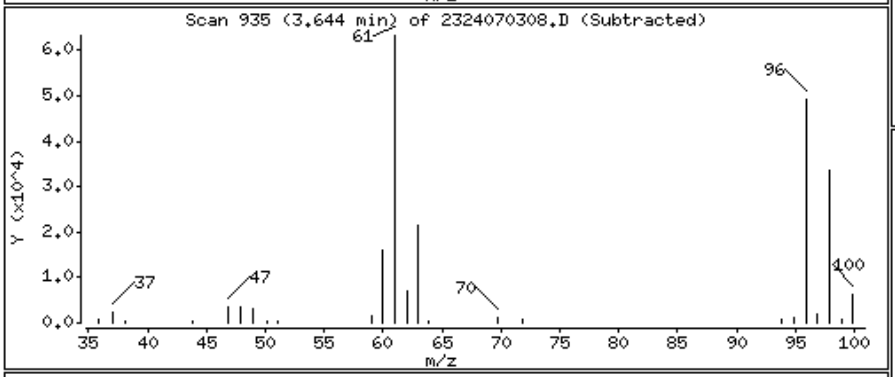
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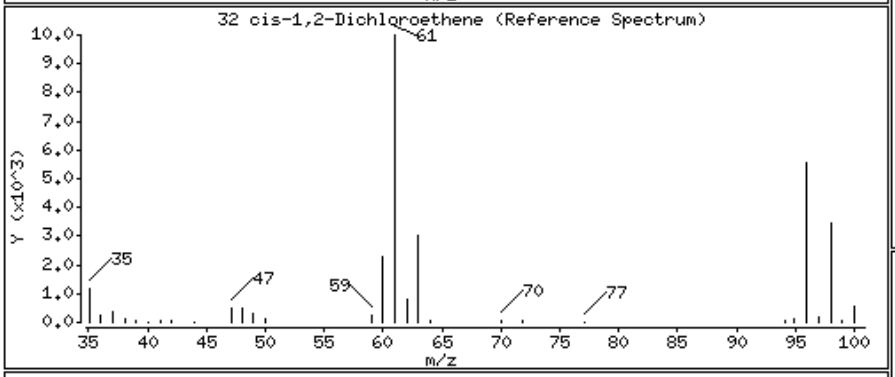
Purge Volume: 5.0 Operator: TMP

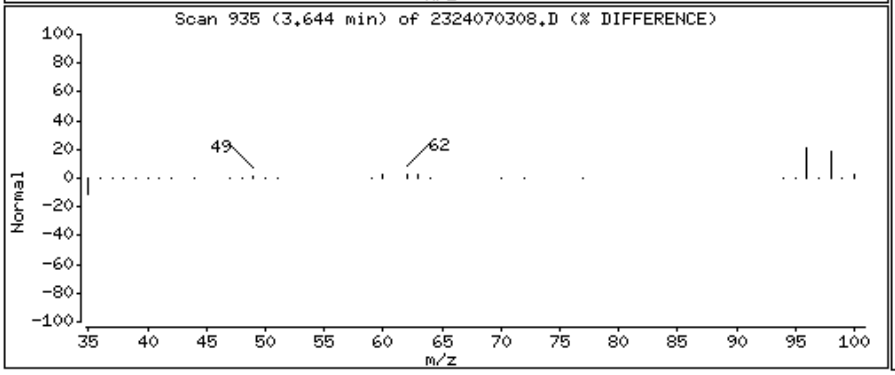
Column phase: DB-VRX Column diameter: 0.25

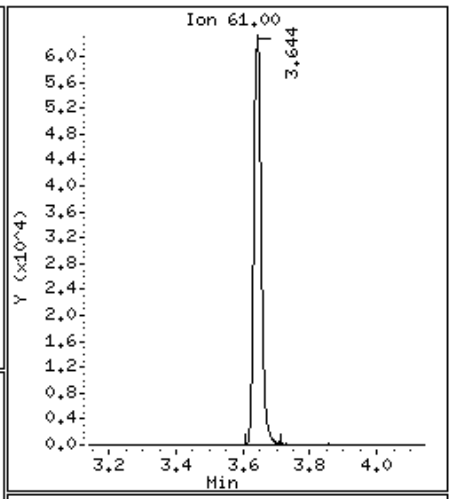
32 cis-1,2-Dichloroethene Concentration: 10.2112 ug/L

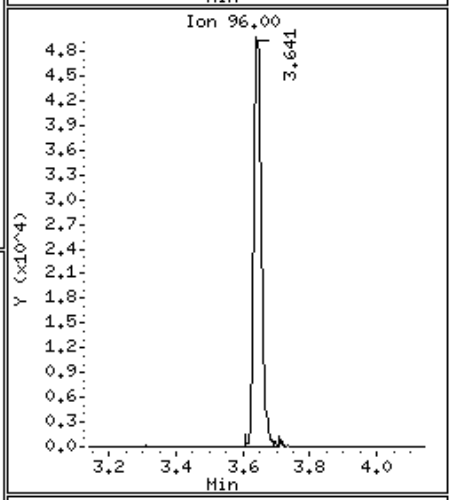


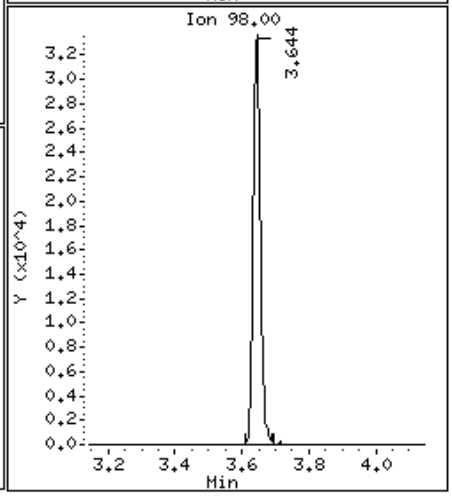












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070308.D Page 5

Date : 03-JUL-2024 12:30

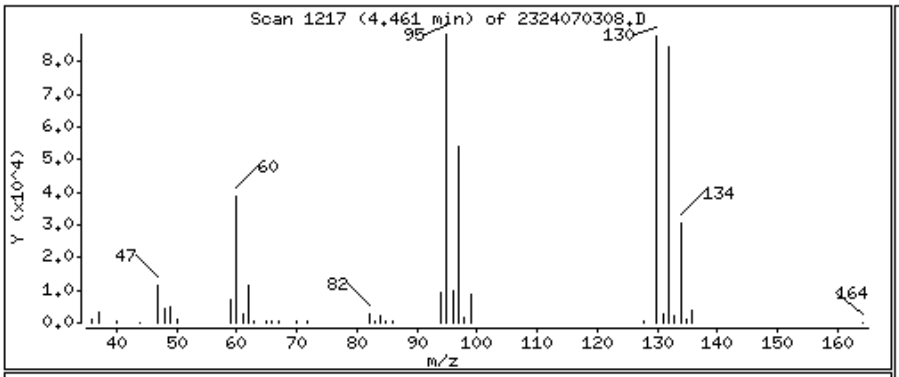
Client ID: ICT13D_062024_a Instrument: ms23.i

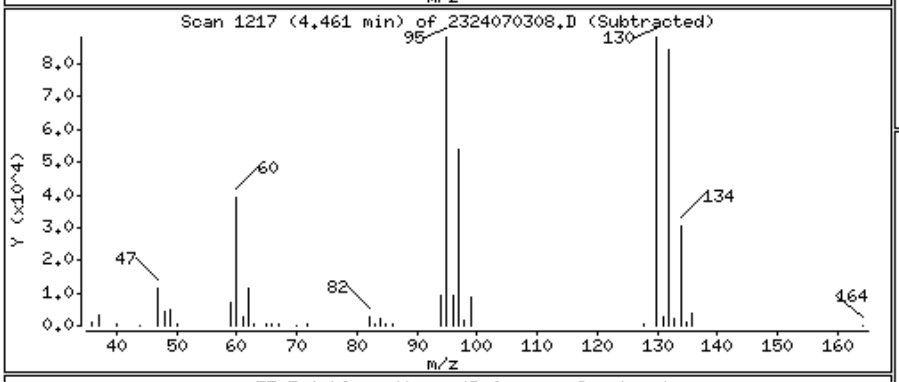
Sample Info: 3366026024;;1;;;;;

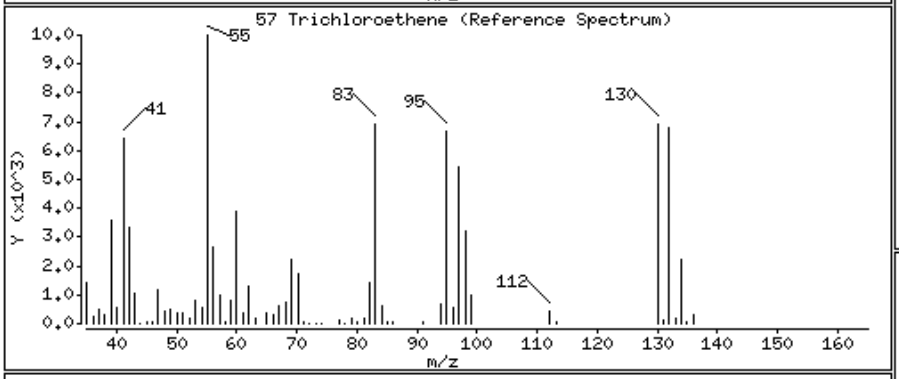
Purge Volume: 5.0 Operator: TMP

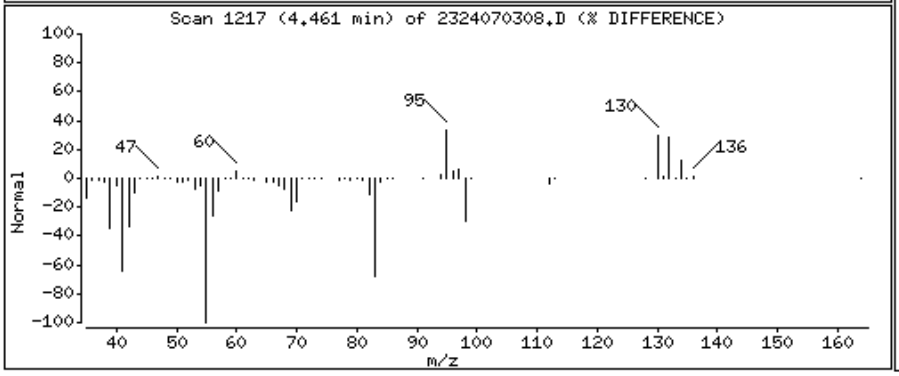
Column phase: DB-VRX Column diameter: 0.25

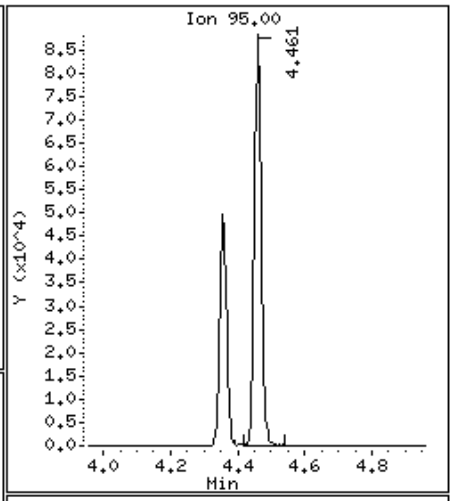
57 Trichloroethene Concentration: 16.3712 ug/L

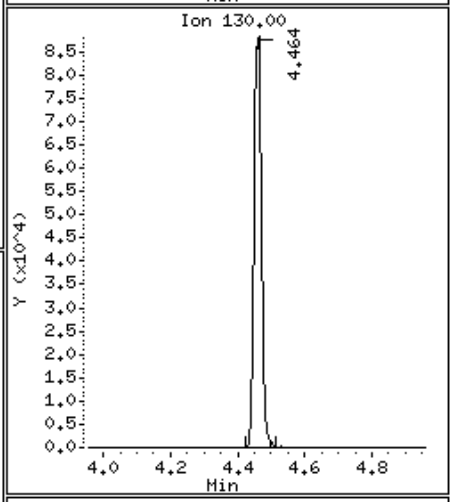


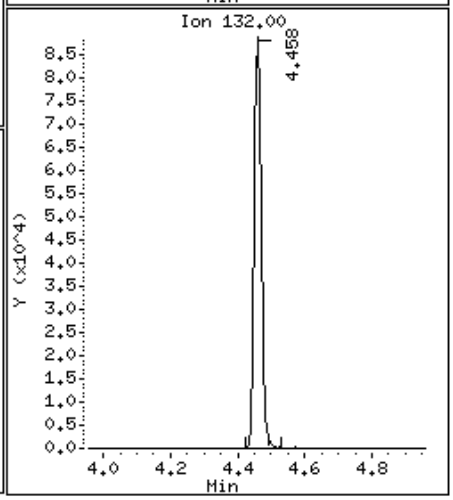












Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070308.D
Inj Date : 03-JUL-2024 12:30
InstruID : ms23.i
LabSampID : 3366026024

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:30
Client ID: ICT13D_062024_a
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/2324070308
Inj Date: 03-JUL-2024 12:30
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
1,2-Dichloroethane
1,3-Dichloropropane
Methacrylonitrile
Chloroethane
Dichlorofluoromethane
Isopropyl Alcohol
Trichlorofluoromethane

Data File: 2324070309.D Page 1
Report Date: 09-Jul-2024 13:31

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070309.D
Lab Smp Id: 3366026022 Client Smp ID: ICT14E_062024
Inj Date : 03-JUL-2024 12:50
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026022;;1;;;;;5
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 9
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	1.852	1.849	(0.425)	3103	0.44708	2.23540(aQ)	
4 Bromomethane	94	2.078	2.072	(0.477)	2883	0.54940	2.74700(a)	
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	Compound Not Detected.						
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.593	2.590	(0.595)	474883	77.9451	389.725	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070309.D Page 2
Report Date: 09-Jul-2024 13:31

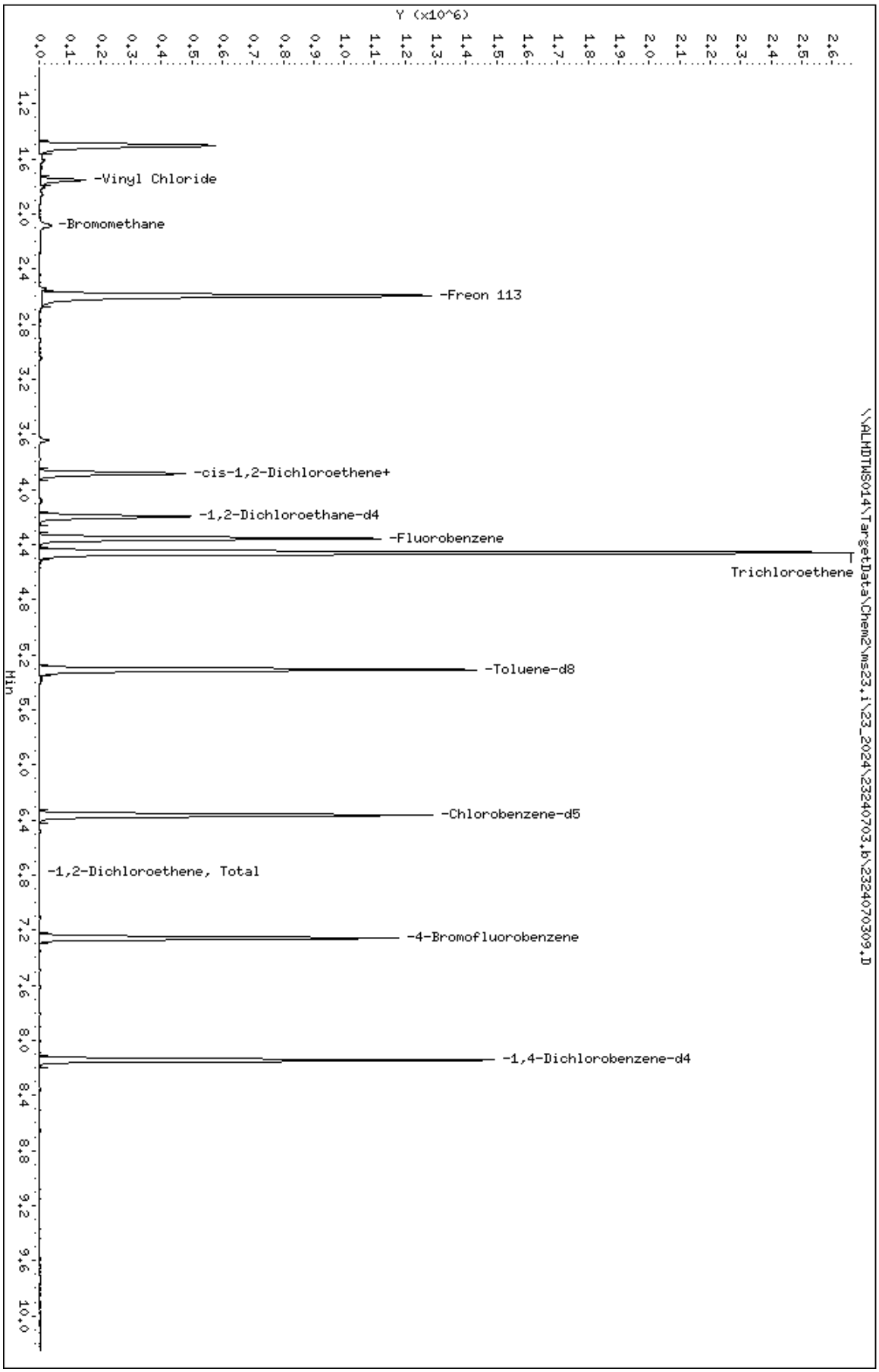
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.641	3.641	(0.836)	13827	1.50713	7.53565	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				13827	1.50713	7.53565(a)	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	220957	29.2854	146.427	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	311726	29.3220	146.610	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	767806	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.460	4.457	(1.024)	676513	89.6747	448.374	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	782062	29.8065	149.032	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070309.D Page 3
Report Date: 09-Jul-2024 13:31

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.366	6.362	(1.000)	336141	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	289987	31.3187	156.593	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	334683	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.



Data File: \\ALHDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070309.D
Date : 03-JUL-2024 12:50
Client ID: ICT14E_062024
Sample Info: 33660260222;1;;;;;5
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms23.i
Operator: TMP
Column diameter: 0.25

Page 1

Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070309.D Page 2

Date : 03-JUL-2024 12:50

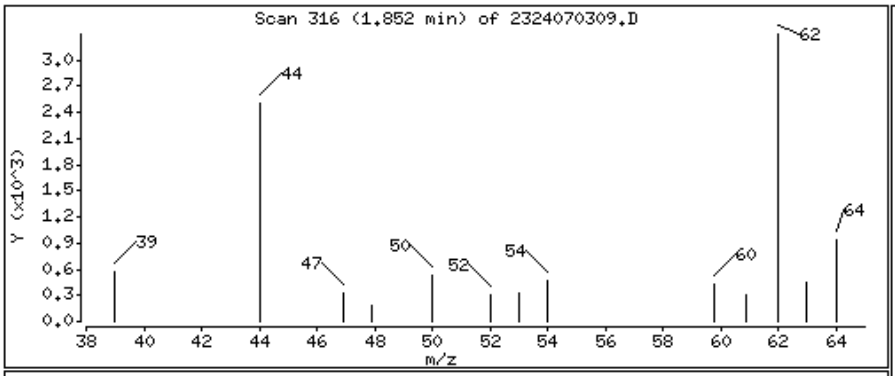
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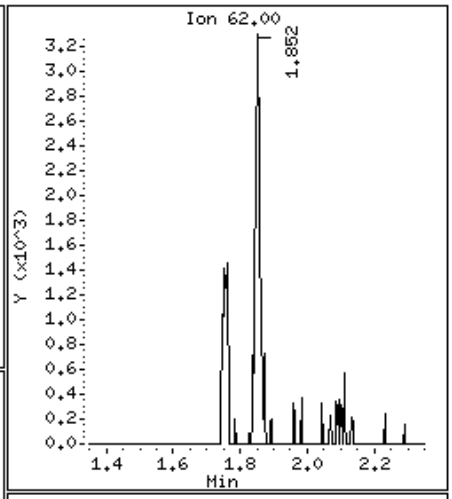
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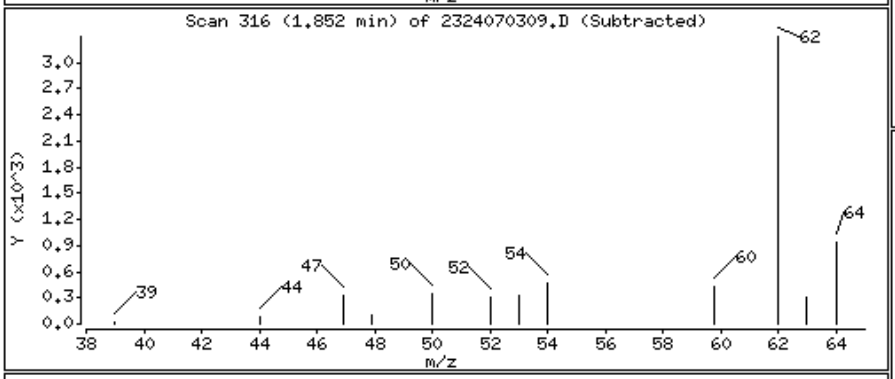
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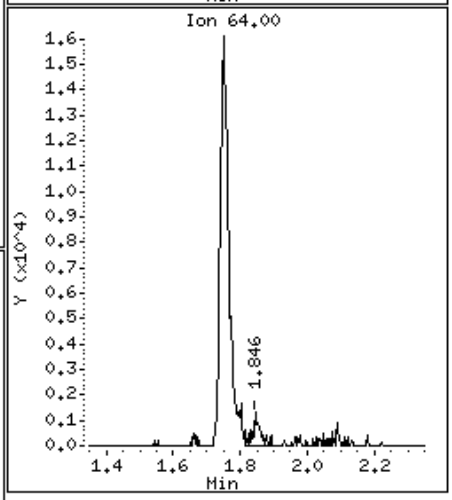
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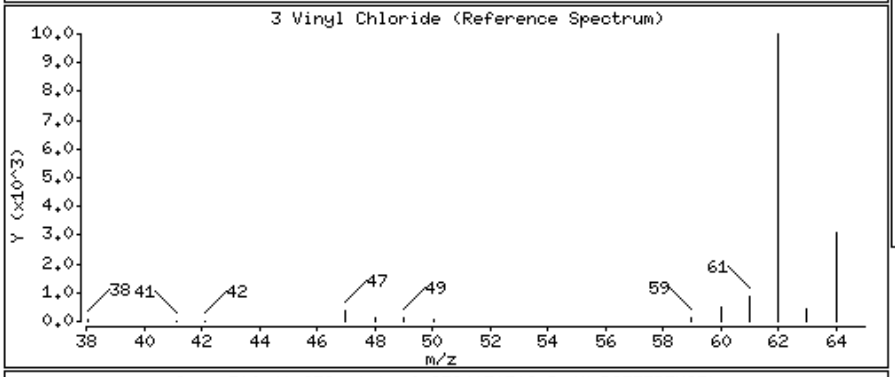
3 Vinyl Chloride Concentration: 2.23540 ug/L

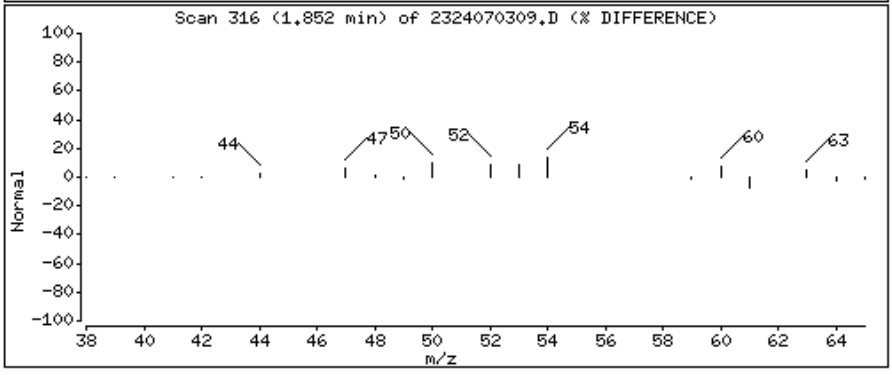












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070309.D Page 3

Date : 03-JUL-2024 12:50

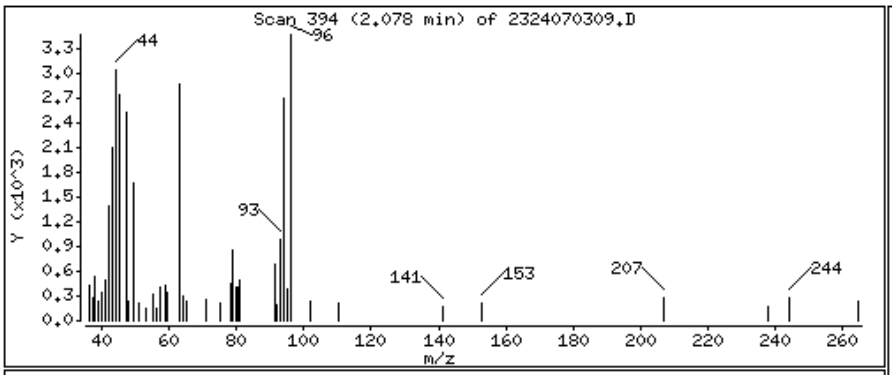
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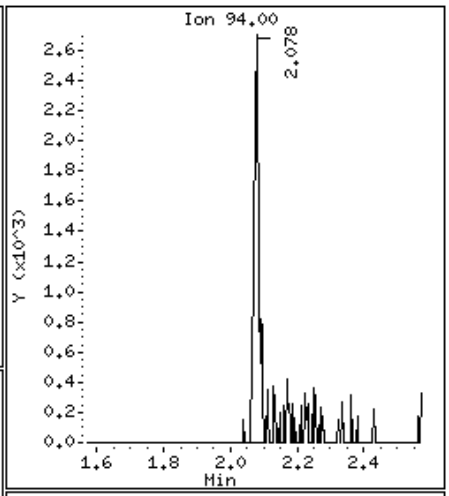
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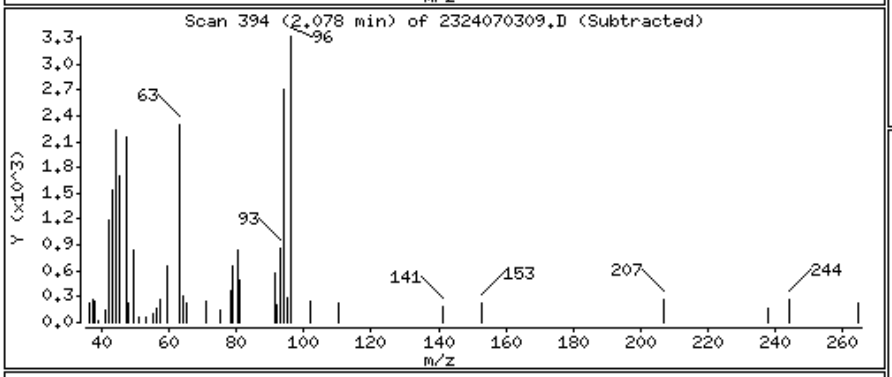
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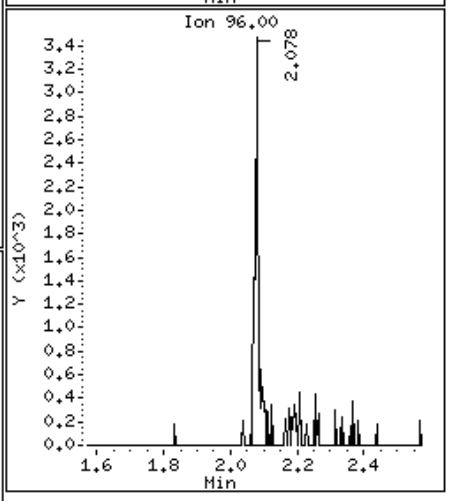
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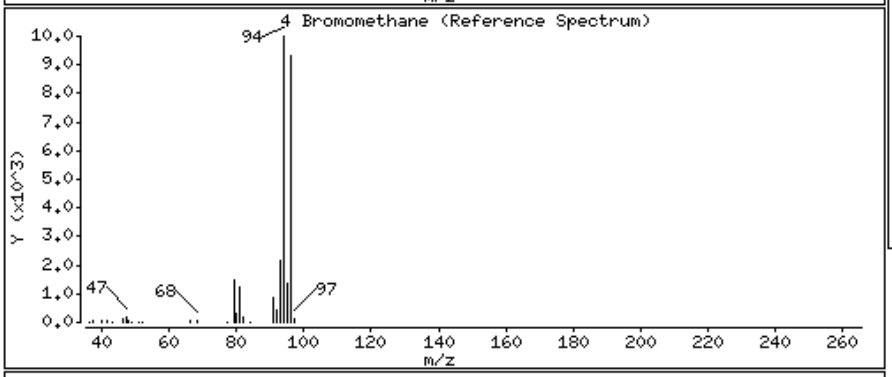
4 Bromomethane Concentration: 2.74700 ug/L

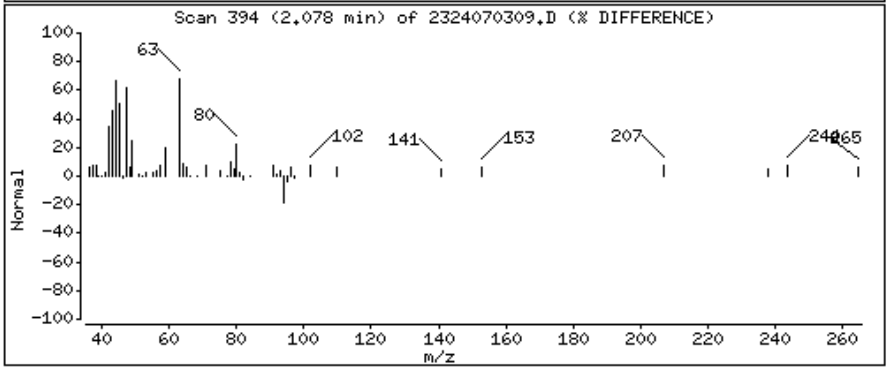












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070309.D Page 4

Date : 03-JUL-2024 12:50

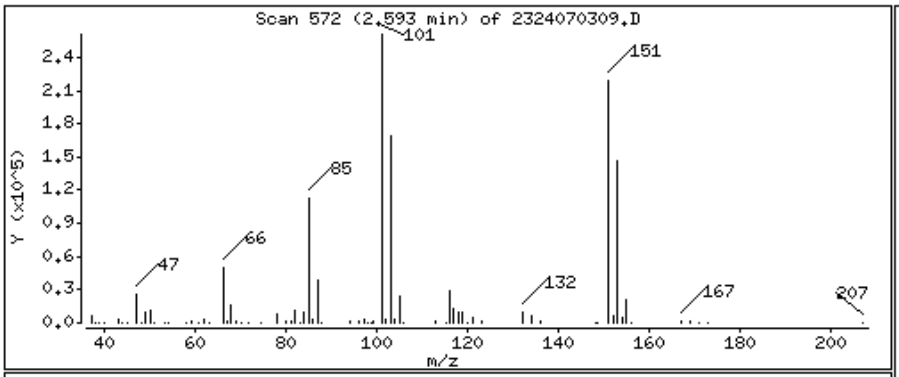
Client ID: ICT14E_062024 Instrument: ms23.i

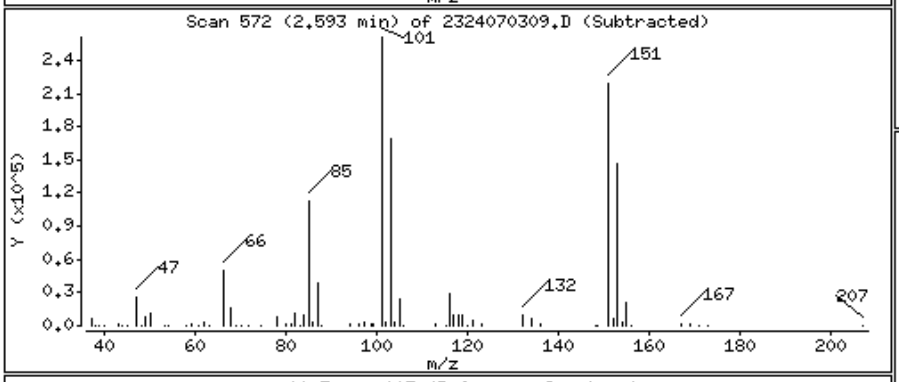
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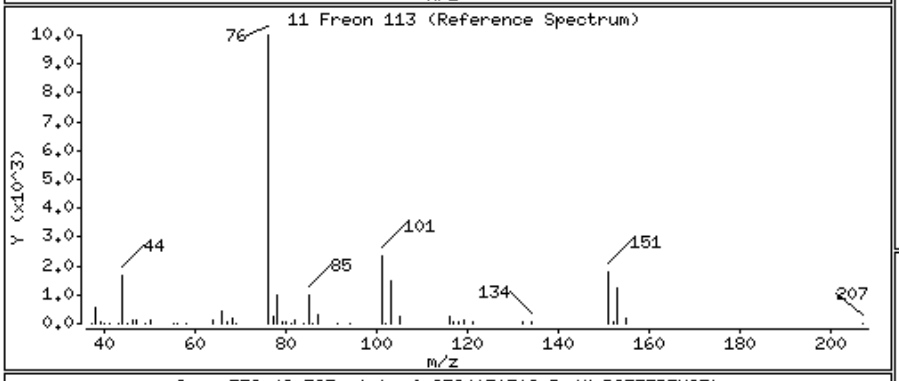
Purge Volume: 5.0 Operator: TMP

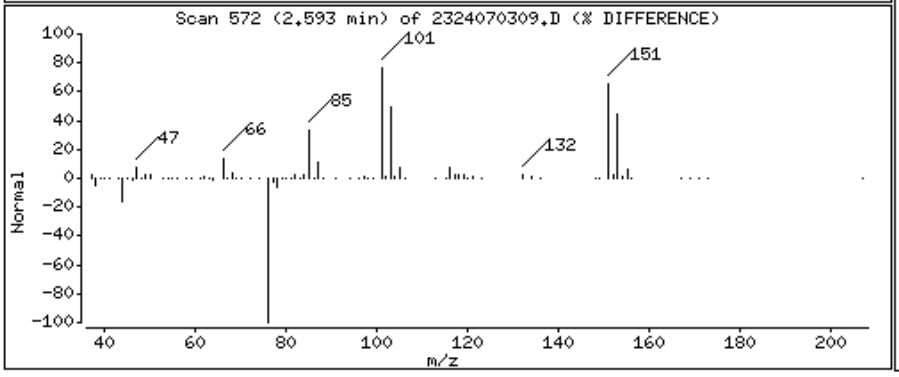
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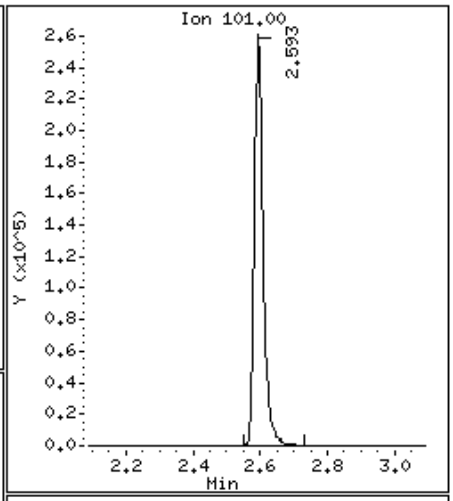
11 Freon 113 Concentration: 389.725 ug/L

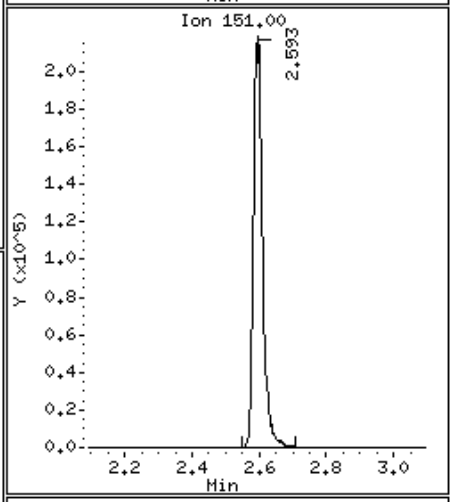


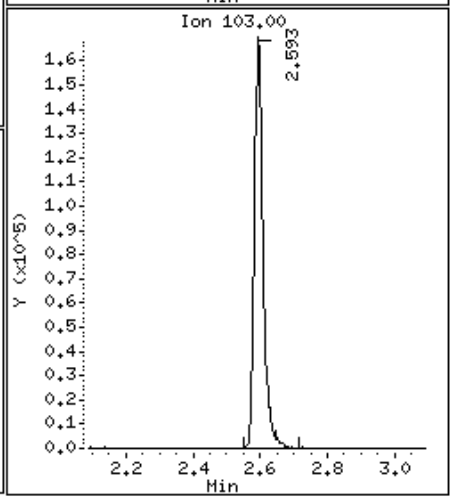












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070309.D Page 5

Date : 03-JUL-2024 12:50

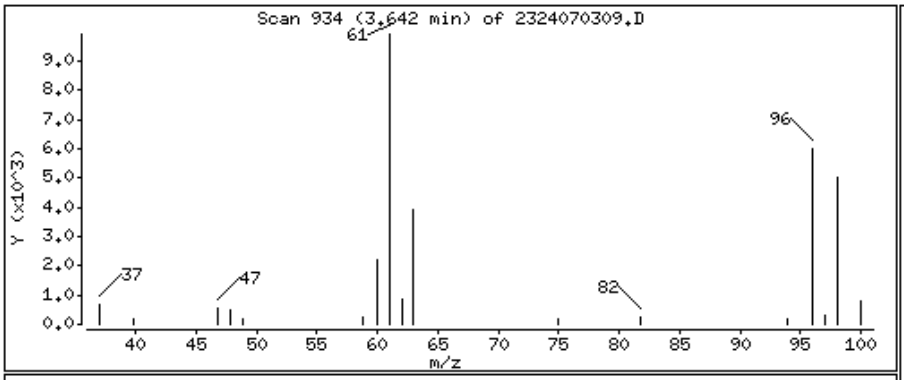
Client ID: ICT14E_062024 Instrument: ms23.i

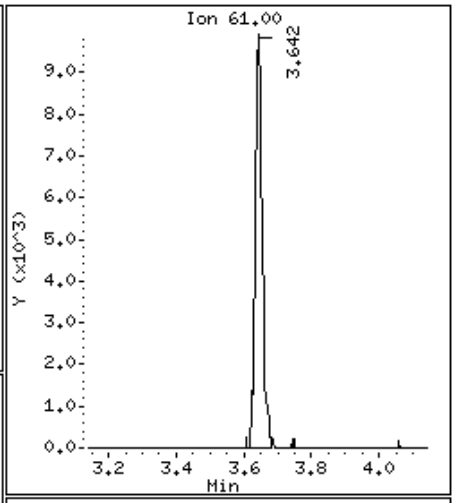
Sample Info: 3366026022;;1;;;;;5

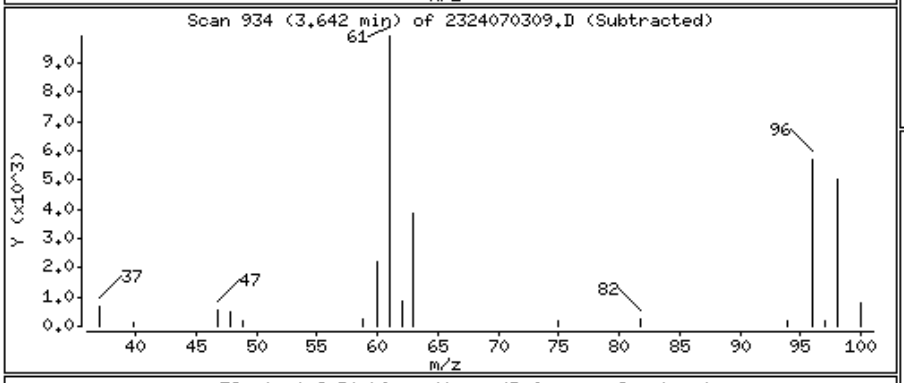
Purge Volume: 5.0 Operator: TMP

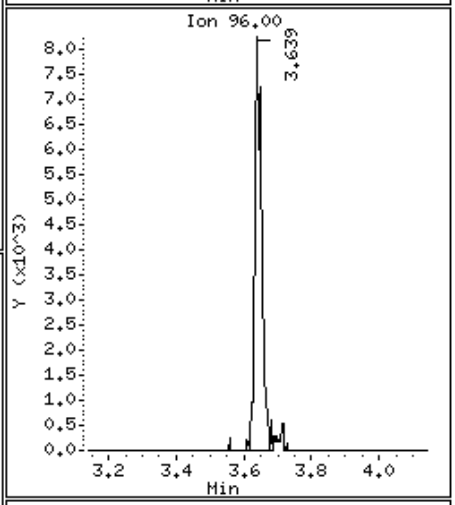
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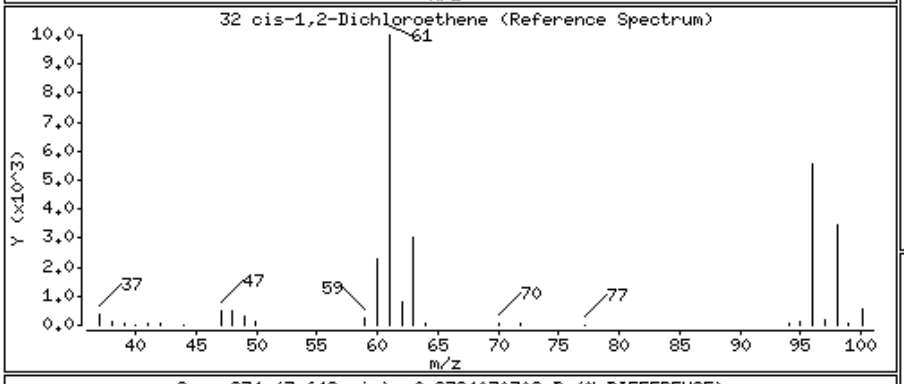
32 cis-1,2-Dichloroethene Concentration: 7.53565 ug/L

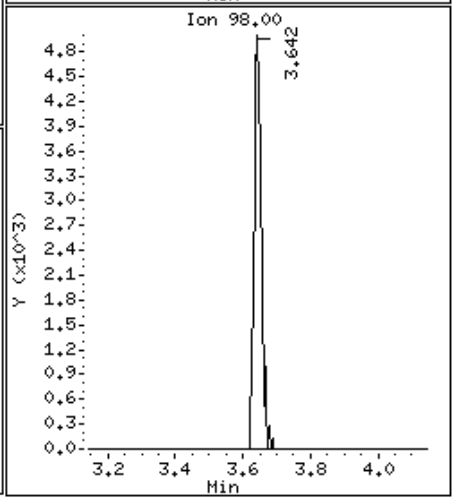


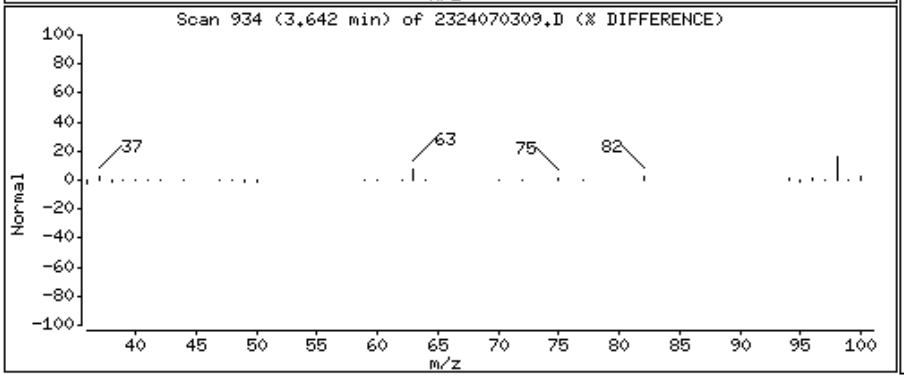












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070309.D Page 6

Date : 03-JUL-2024 12:50

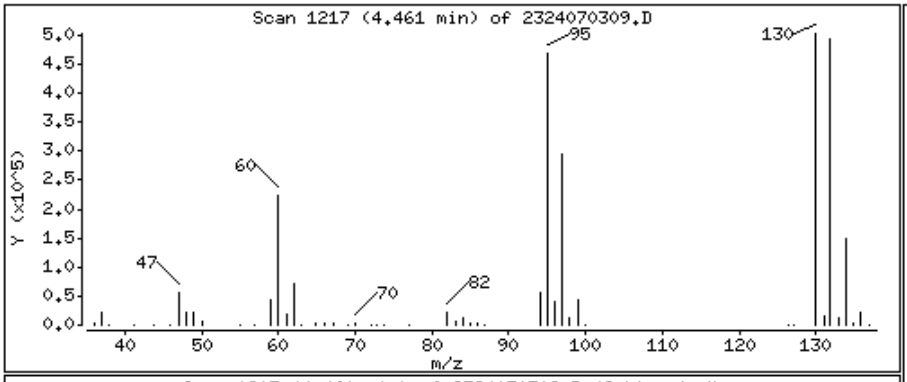
Client ID: ICT14E_062024 Instrument: ms23.i

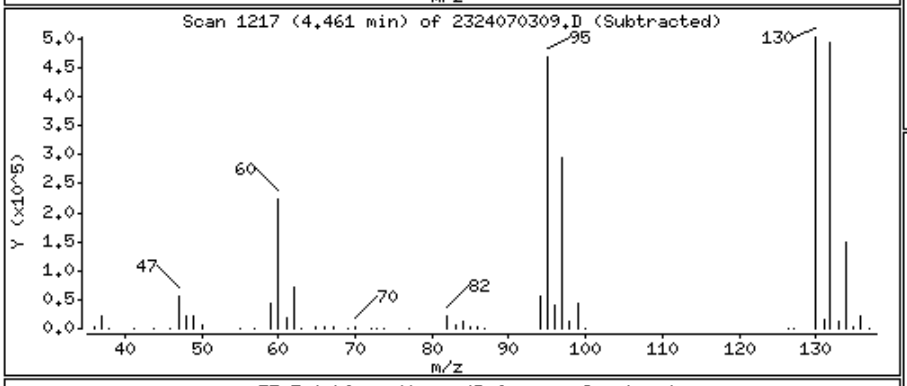
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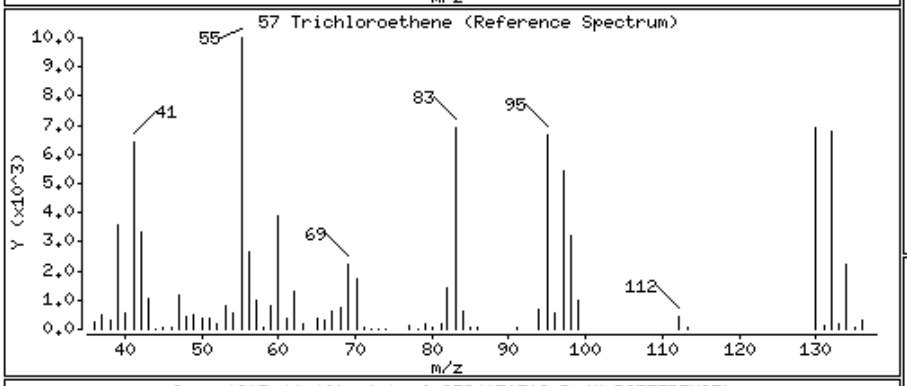
Purge Volume: 5.0 Operator: TMP

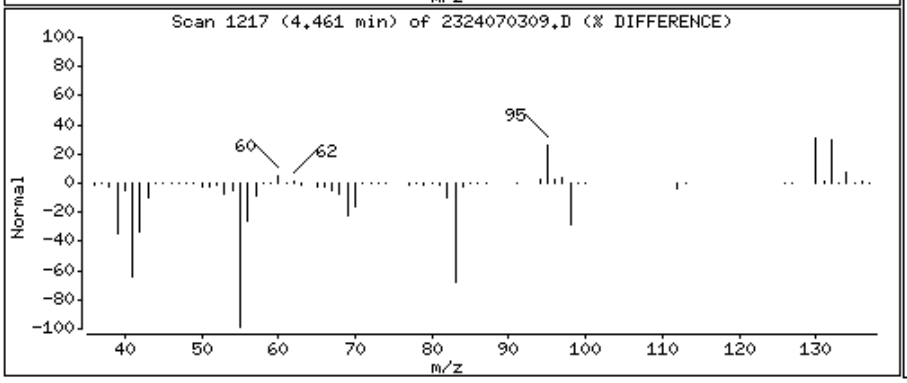
Column phase: DB-VRX Column diameter: 0.25

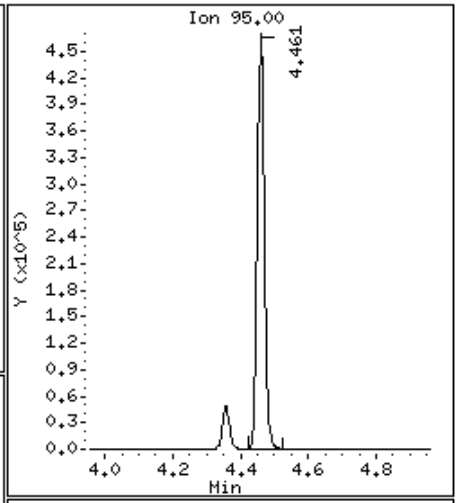
57 Trichloroethene Concentration: 448.374 ug/L

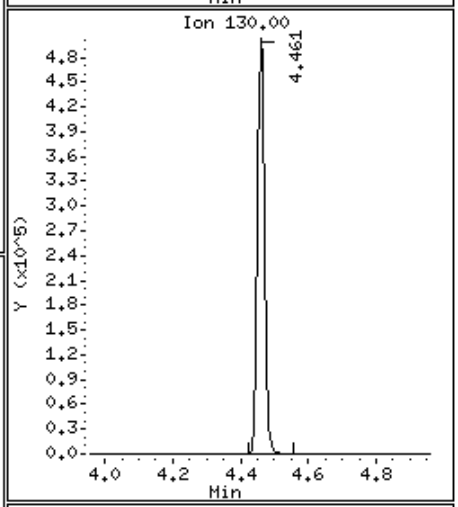


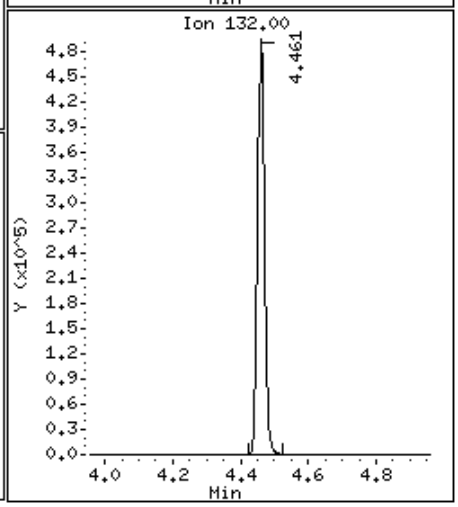












Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070309.D
Inj Date : 03-JUL-2024 12:50
InstruID : ms23.i
LabSampID : 3366026022

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:31
Client ID: ICT14E_062024
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407030
Inj Date: 03-JUL-2024 12:50
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
tert-Amyl Ethylether
1,2-Dichloroethane
1,3-Dichloropropane
Methyl cyclohexane
Pentane
tert-Amyl Alcohol
Bromodichloromethane
Dichlorofluoromethane
Isopropyl Alcohol
Methylene Chloride
Trichlorofluoromethane

Data File: 2324070310.D Page 1
Report Date: 09-Jul-2024 13:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070310.D
Lab Smp Id: 3366026012 Client Smp ID: ICT13A_062024
Inj Date : 03-JUL-2024 13:10
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026012;;1;;;;;5
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 10
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	1.799	1.788	(0.413)	3356	0.48249	2.41247(aQ)	
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	2.074	2.072	(0.476)	3728	0.68608	3.43042(a)	
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	2.581	2.578	(0.593)	4643	0.47949	2.39746(a)	
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.596	2.590	(0.596)	30710	4.86787	24.3394	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070310.D Page 2
Report Date: 09-Jul-2024 13:32

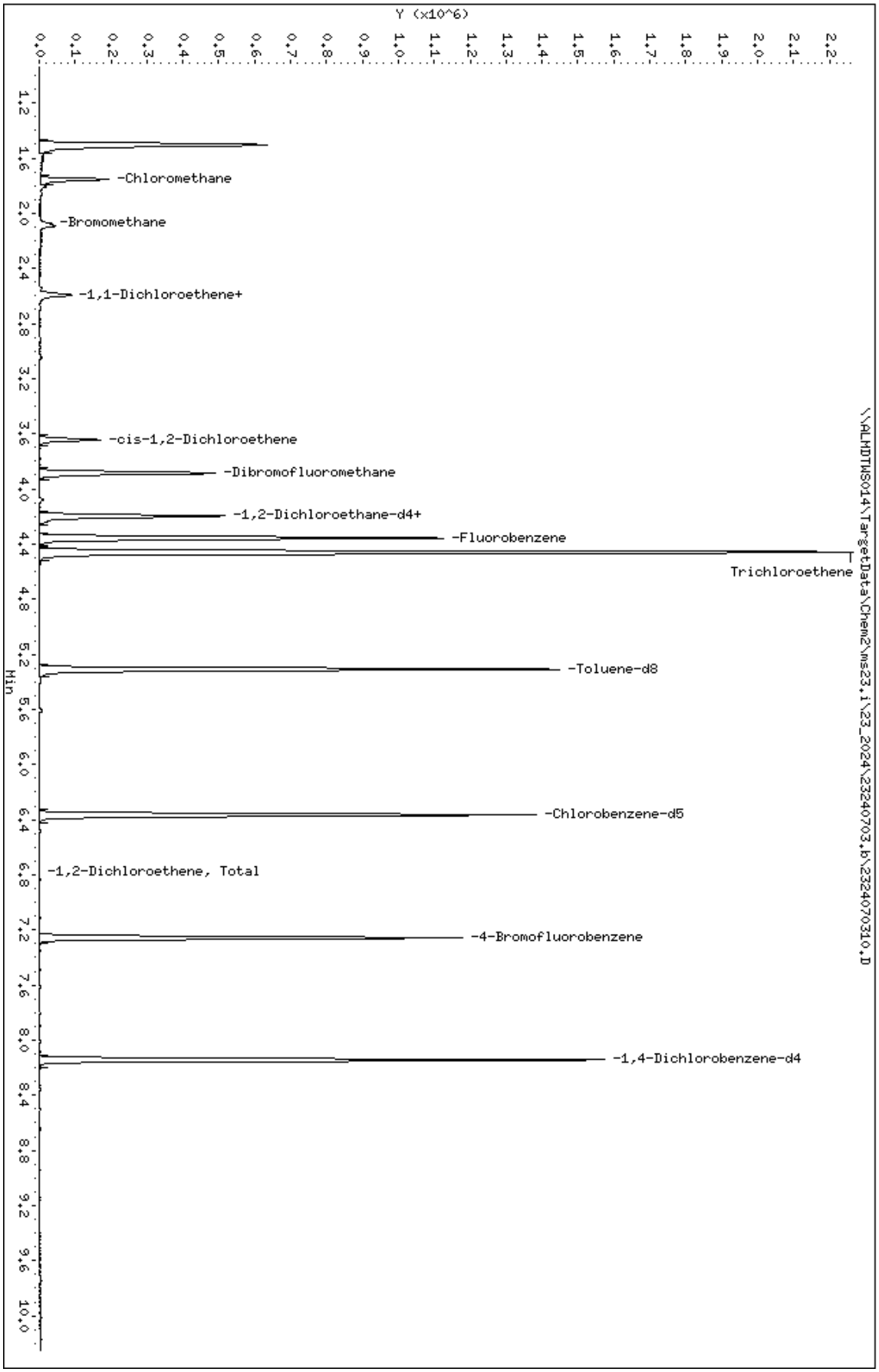
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.644	3.641	(0.837)	72394	7.62049	38.1024	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				72394	7.62049	38.1024	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	219170	28.0531	140.266	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	321522	29.2071	146.036	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	4.237	4.237	(0.973)	11505	0.87568	4.37838(a)	
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	795049	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.457	4.457	(1.023)	585582	74.9617	374.808	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	792342	29.2097	146.048	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070310.D Page 3
Report Date: 09-Jul-2024 13:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.365	6.362	(1.000)	347518	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	282032	27.8024	139.012	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	366669	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.



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Date : 03-JUL-2024 13:10
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Sample Info: 33660260123;1;;;;;5
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms23.i
Operator: THP
Column diameter: 0.25

Page 1

Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070310.D Page 2

Date : 03-JUL-2024 13:10

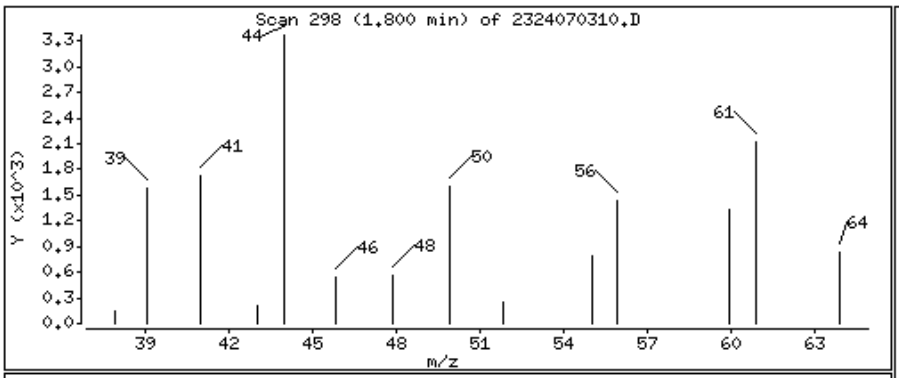
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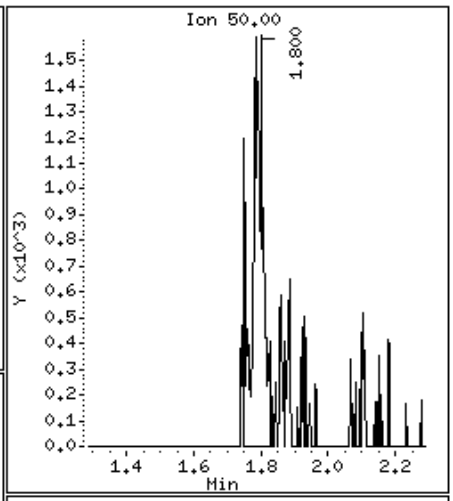
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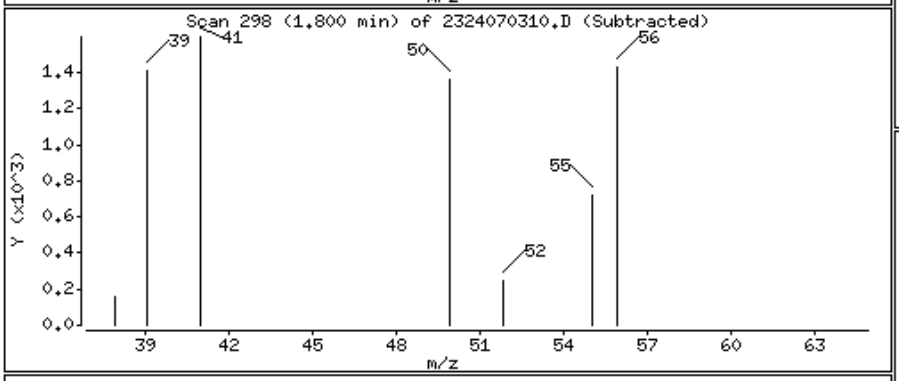
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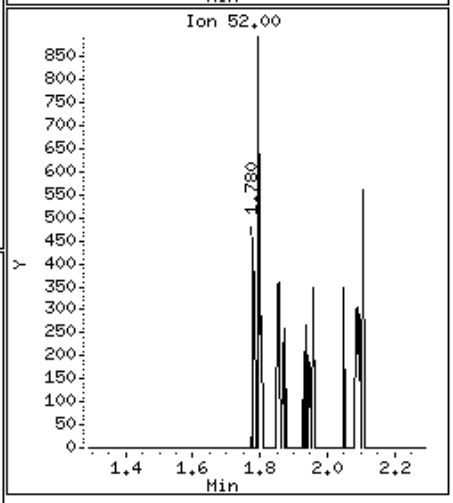
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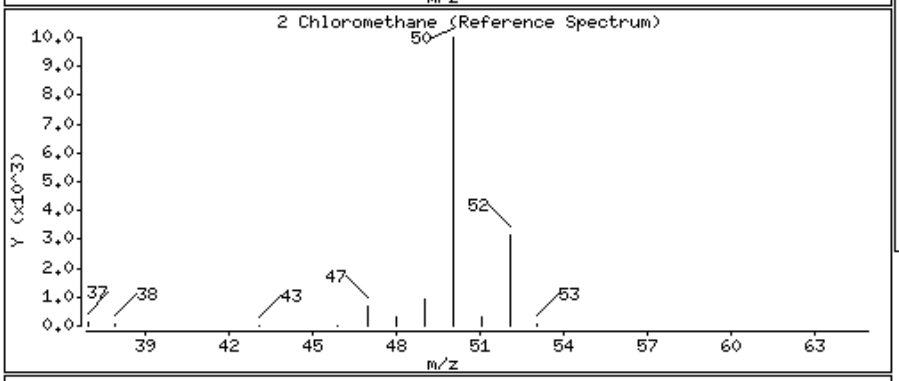
2 Chloromethane Concentration: 2.41247 ug/L

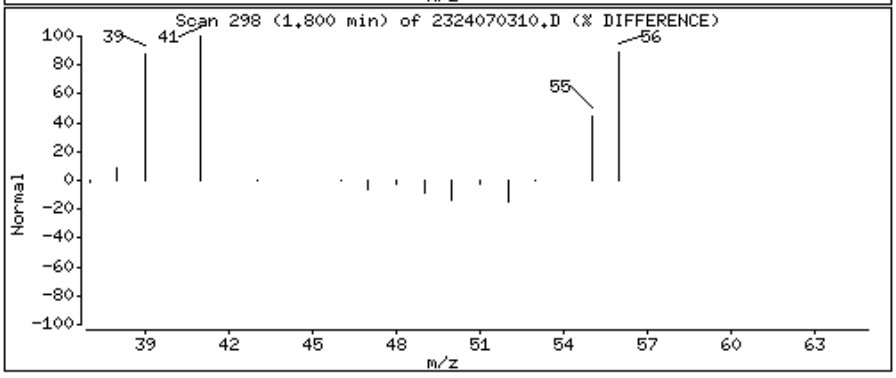












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070310.D Page 3

Date : 03-JUL-2024 13:10

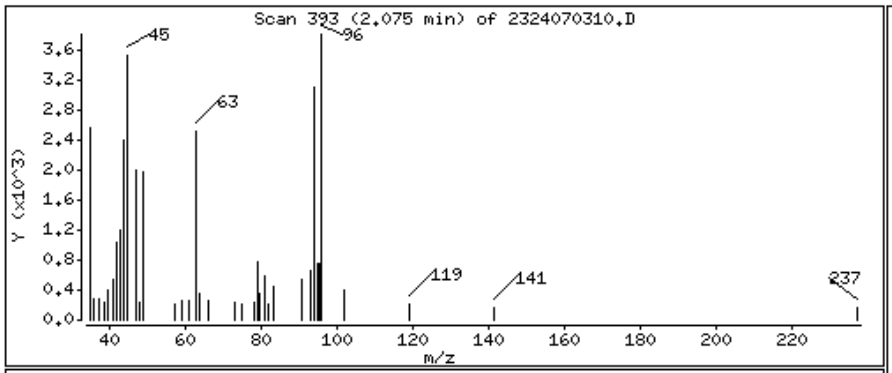
Client ID: ICT13A_062024 Instrument: ms23.i

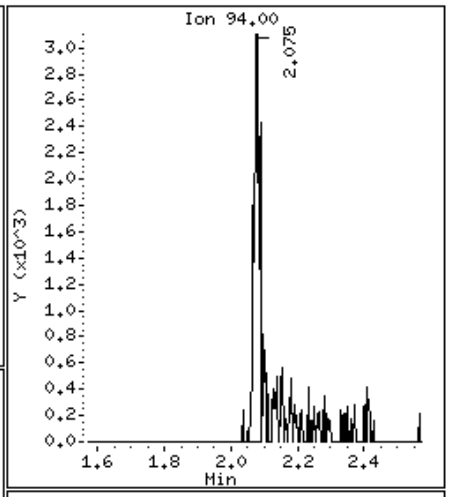
Sample Info: 3366026012;;1;;;;;5

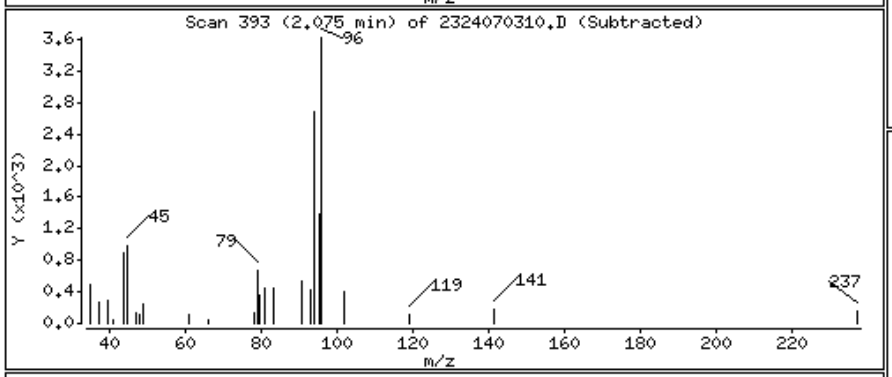
Purge Volume: 5.0 Operator: TMP

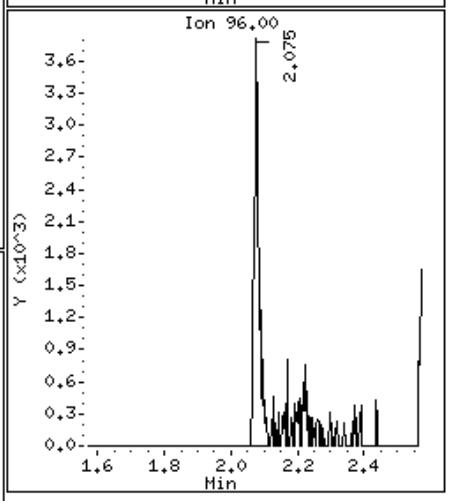
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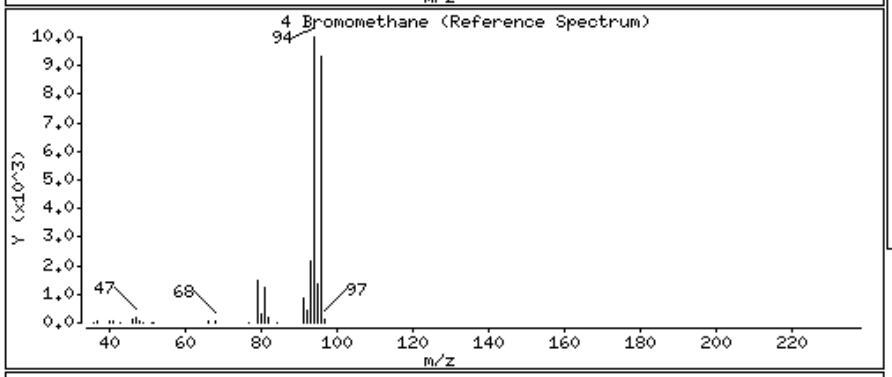
4 Bromomethane Concentration: 3.43042 ug/L

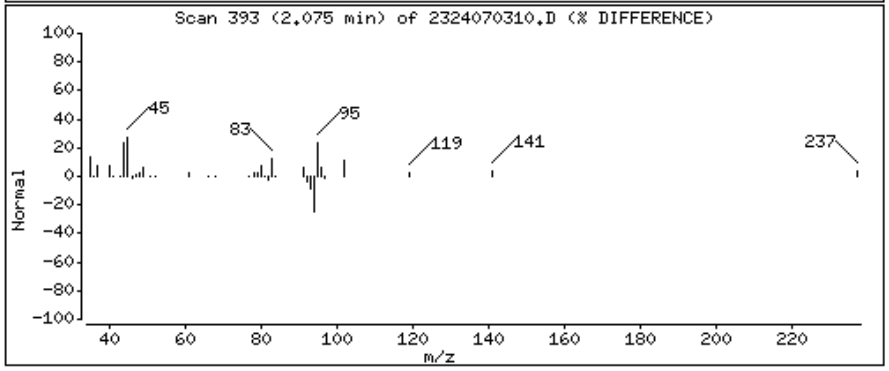












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070310.D Page 4

Date : 03-JUL-2024 13:10

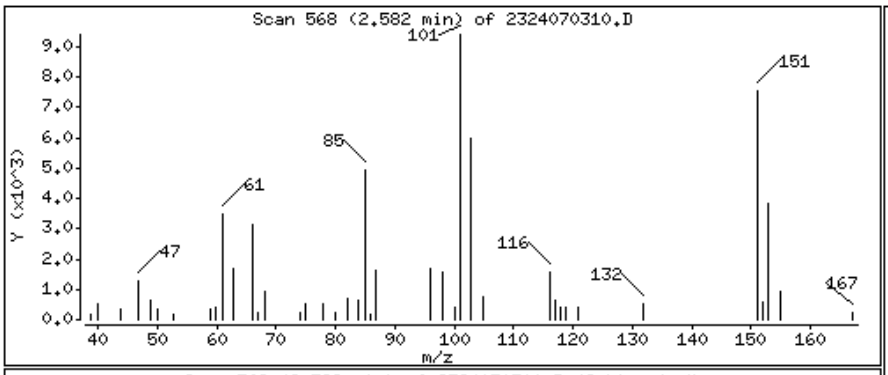
Client ID: ICT13A_062024 Instrument: ms23.i

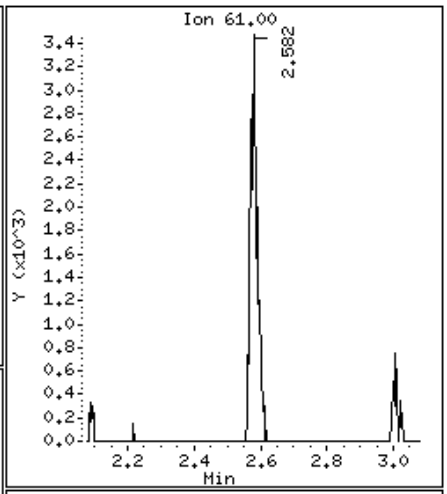
Sample Info: 3366026012;;1;;;;;5

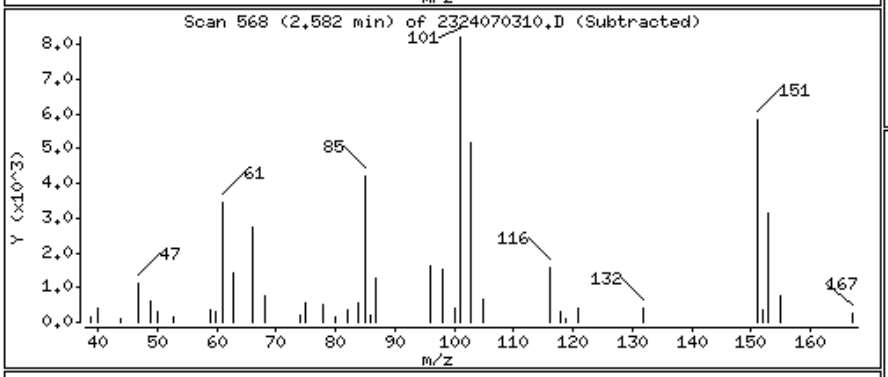
Purge Volume: 5.0 Operator: TMP

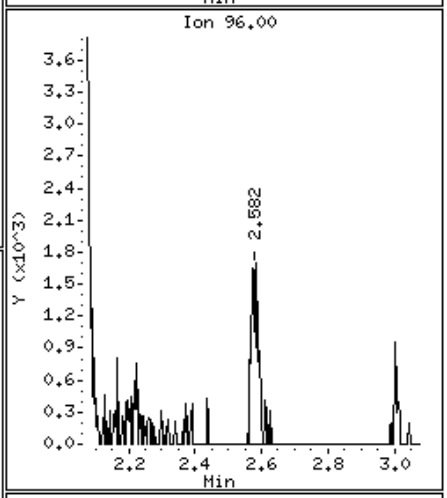
Column phase: DB-VRX Column diameter: 0.25

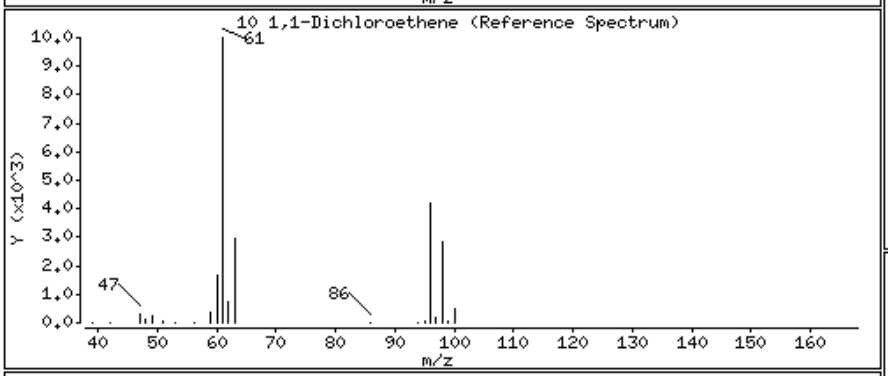
10 1,1-Dichloroethene Concentration: 2.39746 ug/L

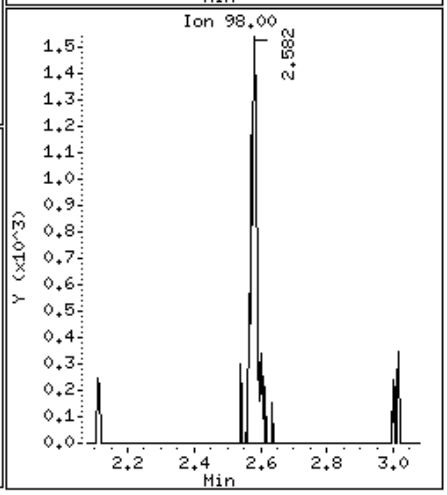


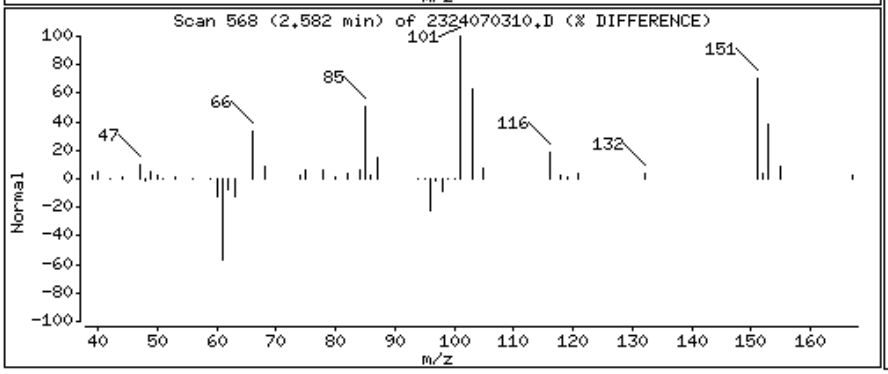












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070310.D Page 5

Date : 03-JUL-2024 13:10

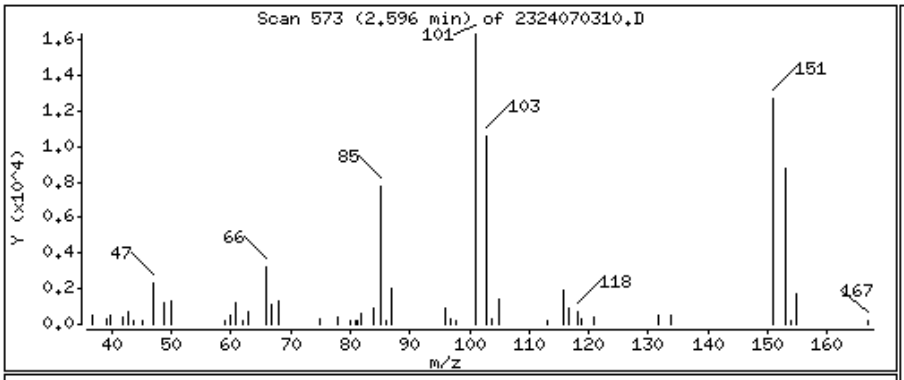
Client ID: ICT13A_062024 Instrument: ms23.i

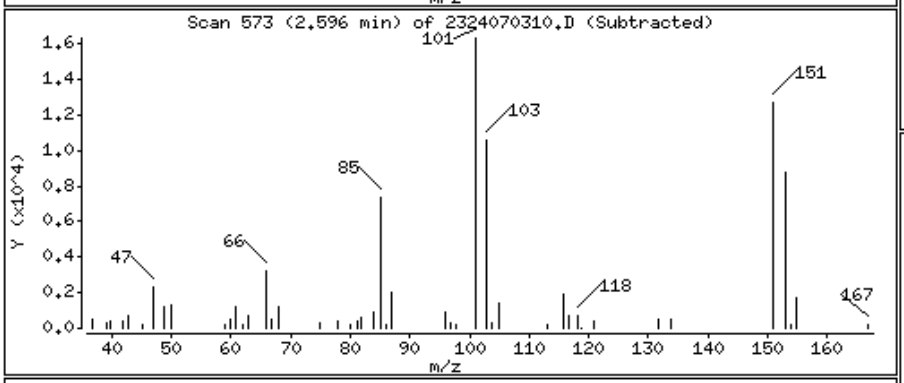
Sample Info: 3366026012;;1;;;;;5

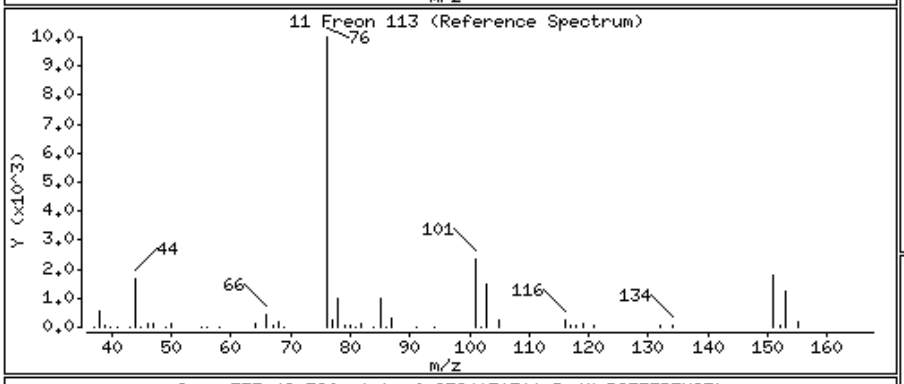
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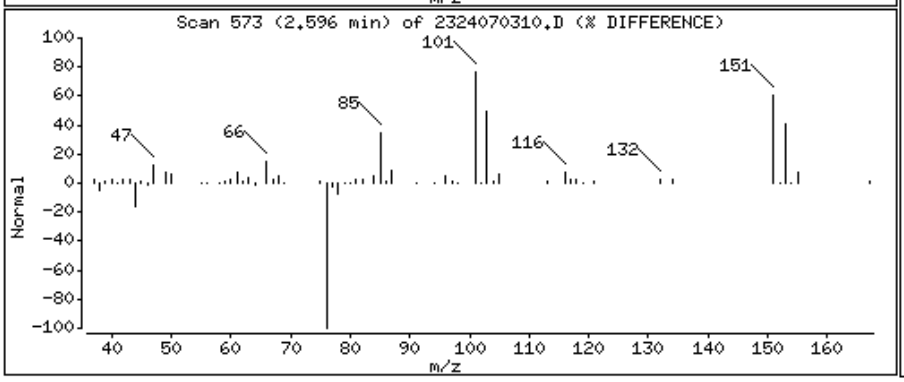
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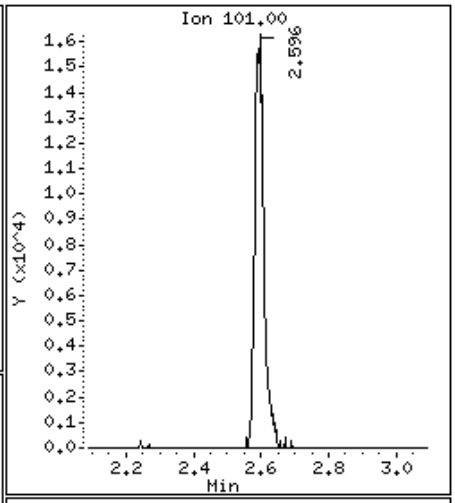
11 Freon 113 Concentration: 24.3394 ug/L

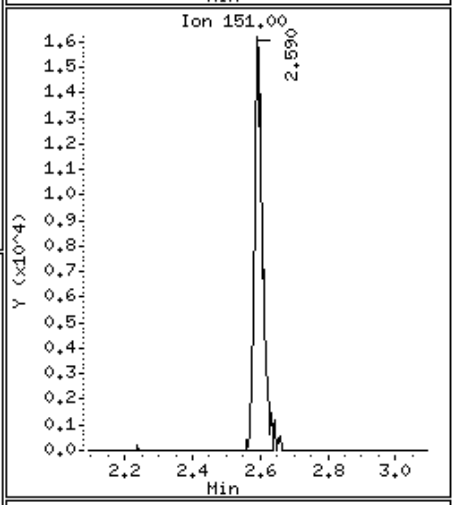


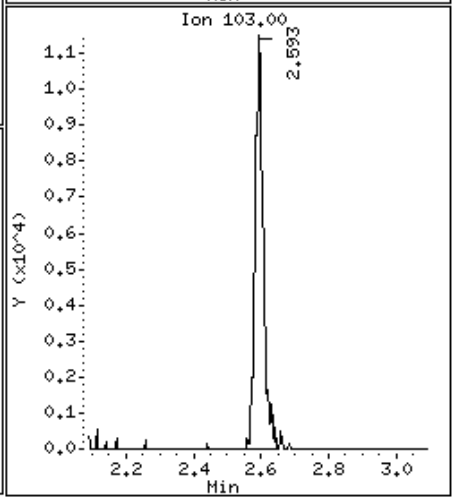












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070310.D Page 6

Date : 03-JUL-2024 13:10

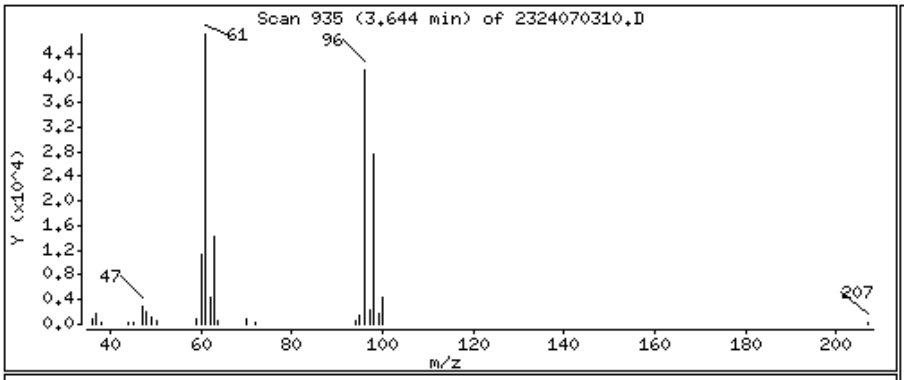
Client ID: ICT13A_062024 Instrument: ms23.i

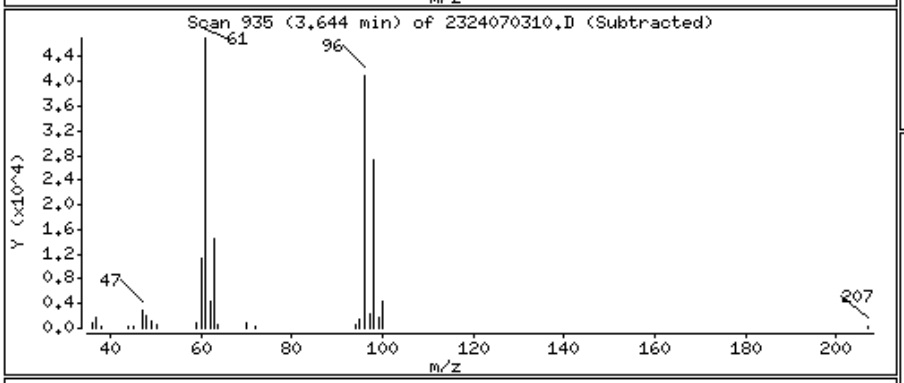
Sample Info: 3366026012;;1;;;;;5

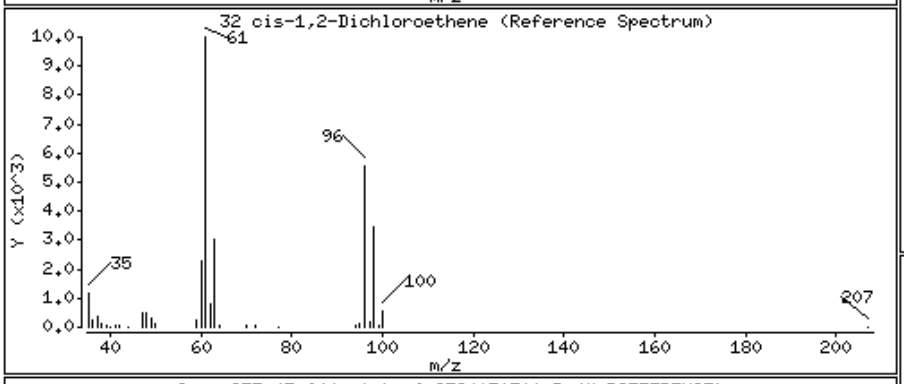
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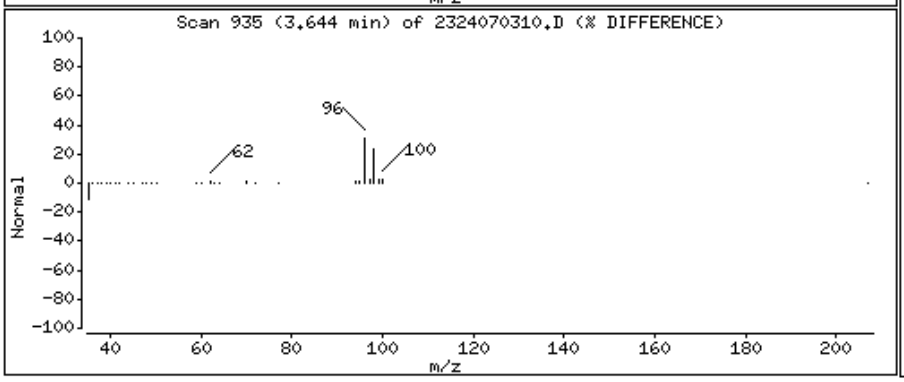
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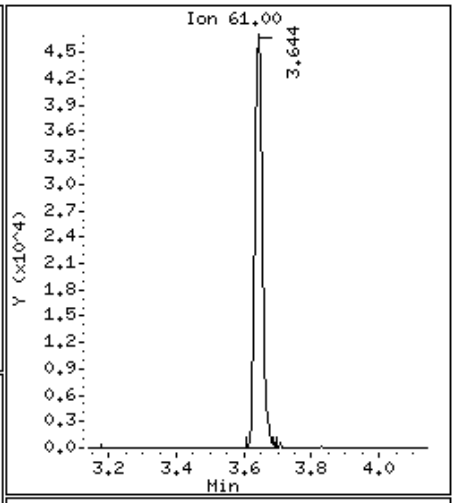
32 cis-1,2-Dichloroethene Concentration: 38.1024 ug/L

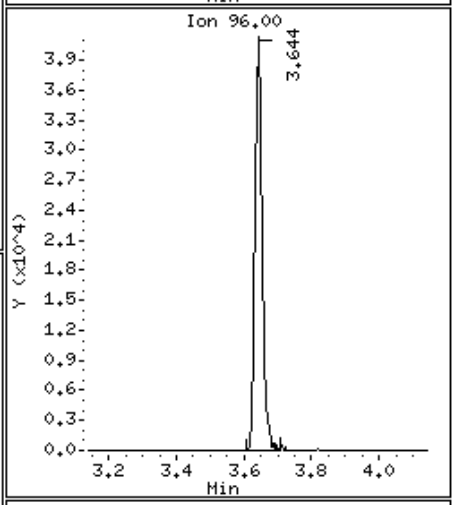


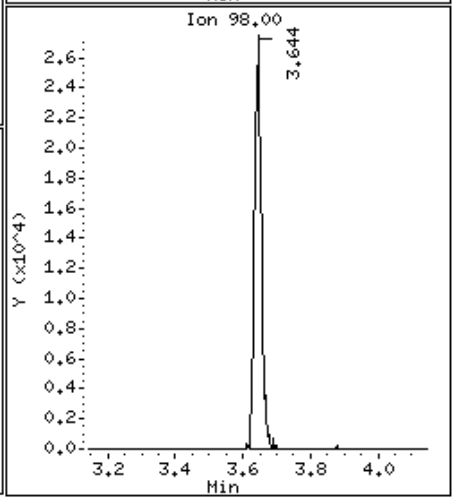












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070310.D Page 7

Date : 03-JUL-2024 13:10

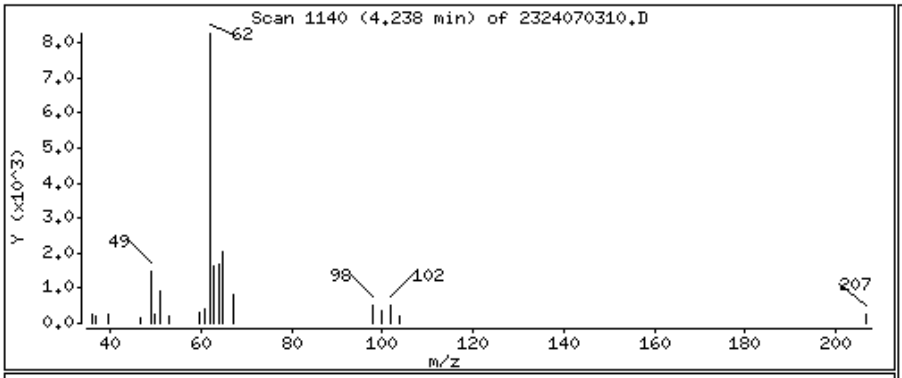
Client ID: ICT13A_062024 Instrument: ms23.i

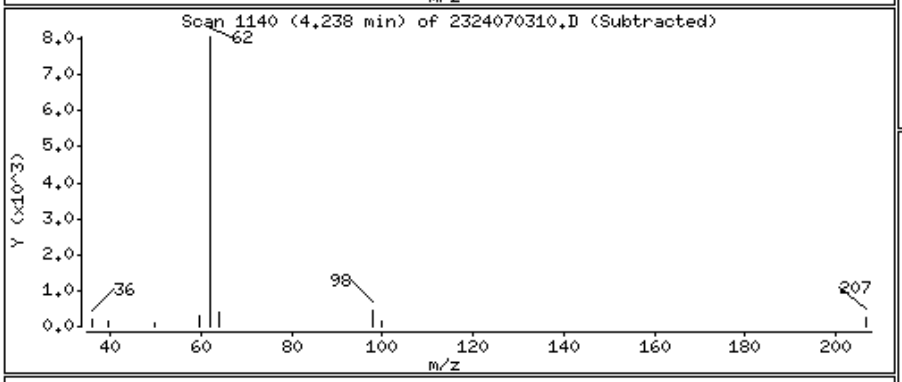
Sample Info: 3366026012;;1;;;;;5

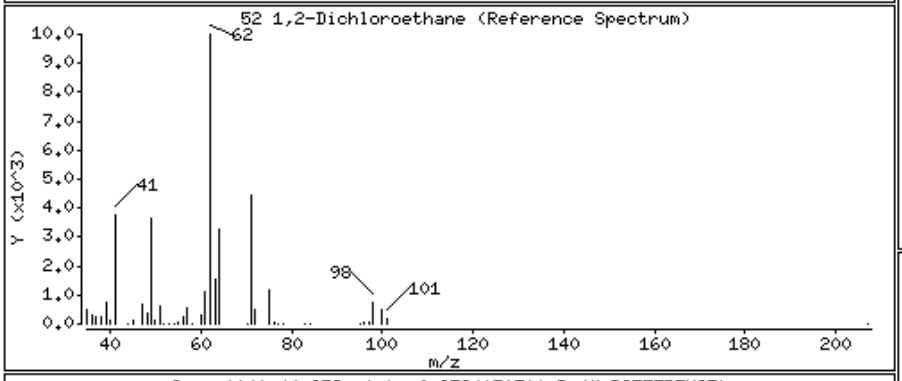
Purge Volume: 5.0 Operator: TMP

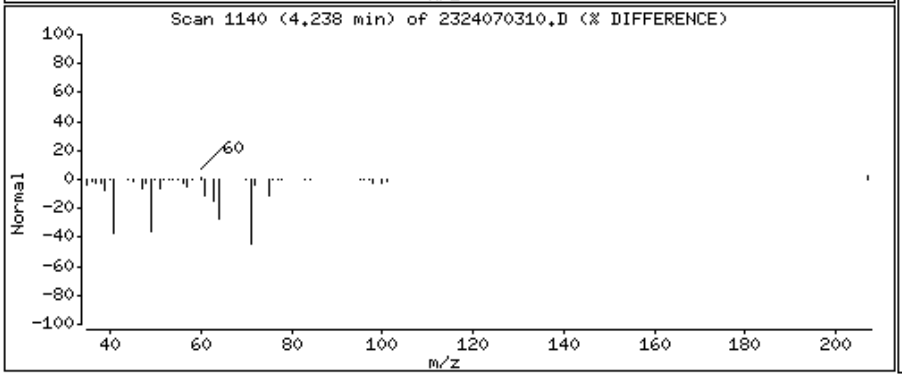
Column phase: DB-VRX Column diameter: 0.25

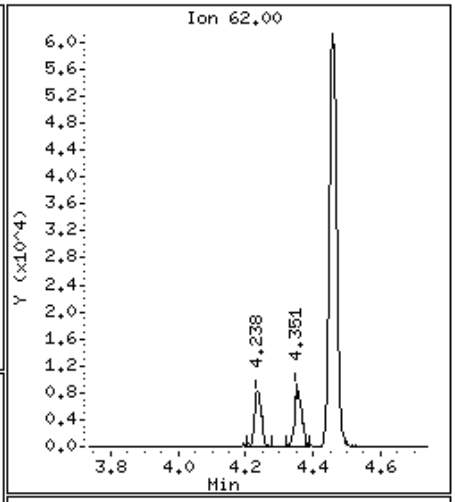
52 1,2-Dichloroethane Concentration: 4.37838 ug/L

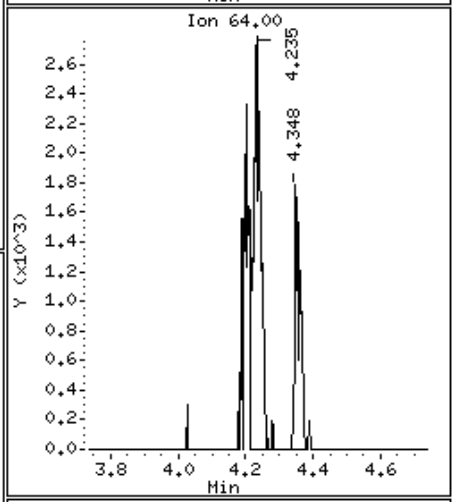


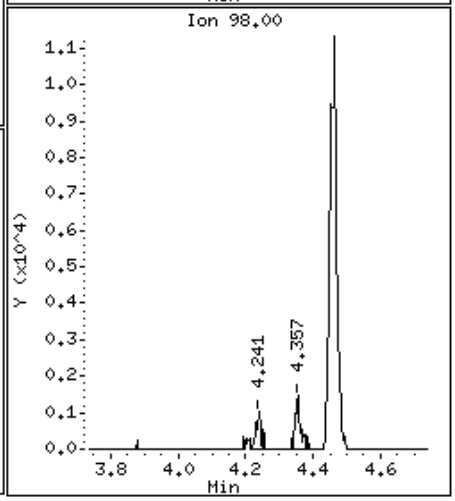












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070310.D Page 8

Date : 03-JUL-2024 13:10

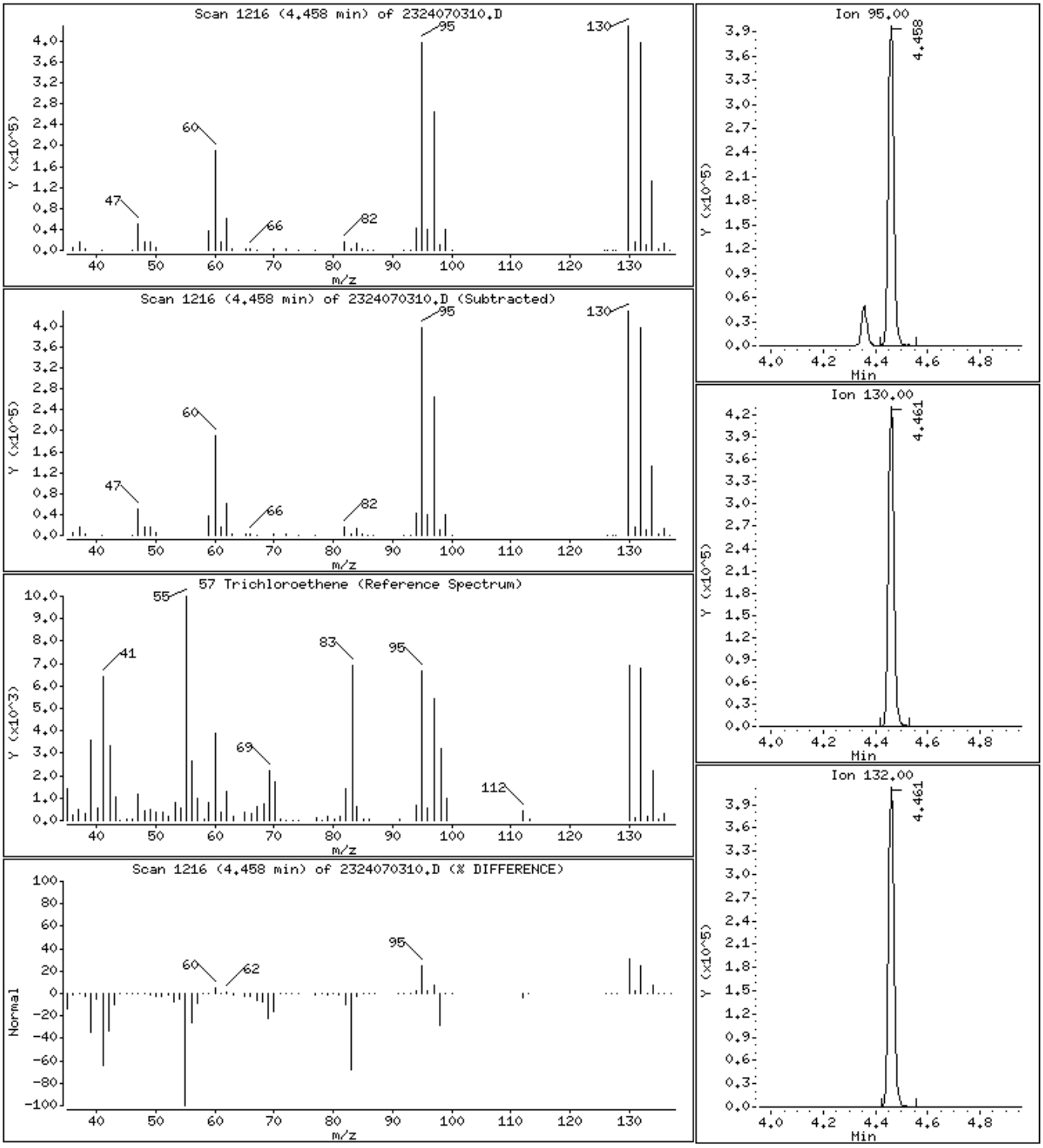
Client ID: ICT13A_062024 Instrument: ms23.i

Sample Info: 3366026012;;1;;;;;5

Purge Volume: 5.0 Operator: TMP

Column phase: DB-VRX Column diameter: 0.25

57 Trichloroethene Concentration: 374.808 ug/L



Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070310.D
Inj Date : 03-JUL-2024 13:10
InstruID : ms23.i
LabSampID : 3366026012

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:32
Client ID: ICT13A_062024
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407031
Inj Date: 03-JUL-2024 13:10
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile	tert-amyl methyl Ether
Bromodichloromethane	Chloroethane
trans-1,2-Dichloroethene	1,3-Dichloropropane
Heptane	Isopropyl Alcohol
Methyl cyclohexane	Pentane
Trichlorofluoromethane	Vinyl Chloride

Data File: 2324070311.D Page 1
Report Date: 09-Jul-2024 13:34

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070311.D
Lab Smp Id: 3366026004 Client Smp ID: ICT8_062024
Inj Date : 03-JUL-2024 13:30
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026004;;1;;;;;50
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 11
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	50.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	1.849	1.849	(0.424)	13460	2.04980	102.490	
4 Bromomethane	94	2.077	2.072	(0.477)	2270	0.45723	22.8614(a)	
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	2.581	2.578	(0.593)	8698	0.98312	49.1561(aQ)	
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.593	2.590	(0.595)	706846	122.628	6131.40	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	2.911	2.905	(0.668)	163086	24.4587	1222.93	
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070311.D Page 2
Report Date: 09-Jul-2024 13:34

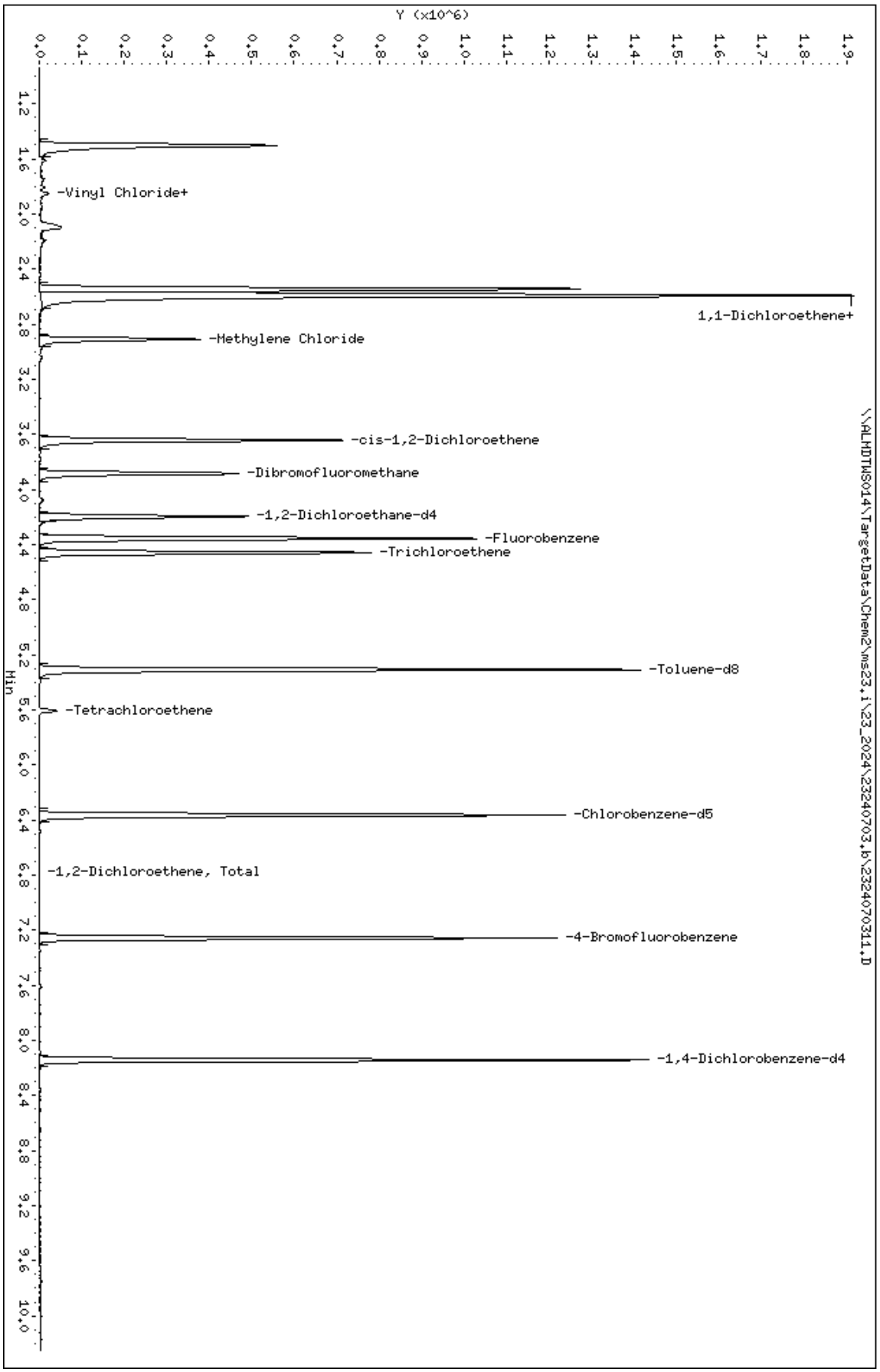
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.644	3.641	(0.837)	316752	36.4926	1824.63	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				316752	36.4926	1824.63	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.881	3.884	(0.891)	217874	30.5219	1526.09	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	310379	30.8586	1542.93	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	726421	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.460	4.457	(1.024)	199616	27.9674	1398.37	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	766825	30.2042	1510.21	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	5.610	5.610	(0.881)	6678	1.02627	51.3134	
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070311.D Page 3
Report Date: 09-Jul-2024 13:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.365	6.362	(1.000)	325252	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	290191	31.2578	1562.89	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	335570	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.



Data File: \\ALHDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070311.D
Date : 03-JUL-2024 13:30
Client ID: ICT8_062024
Sample Info: 336602600d;;1;;;;;50
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms23.i
Operator: THP
Column diameter: 0.25

Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070311.D Page 2

Date : 03-JUL-2024 13:30

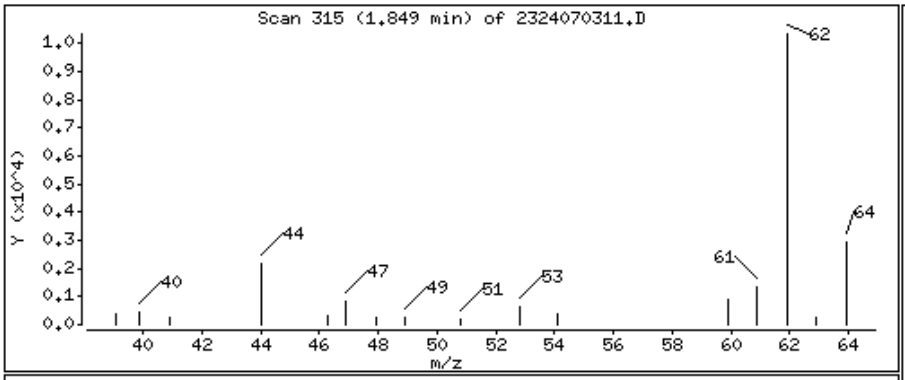
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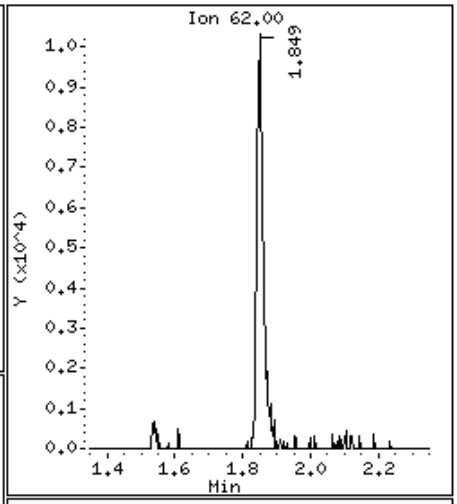
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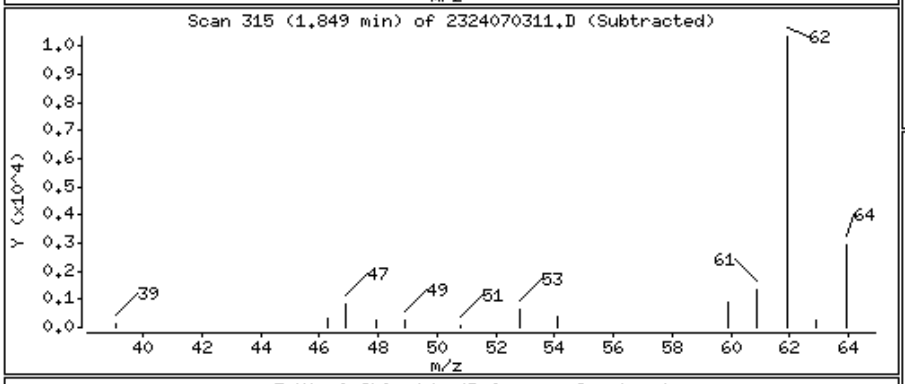
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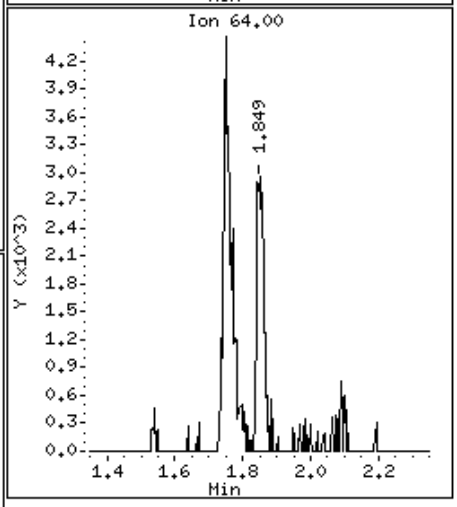
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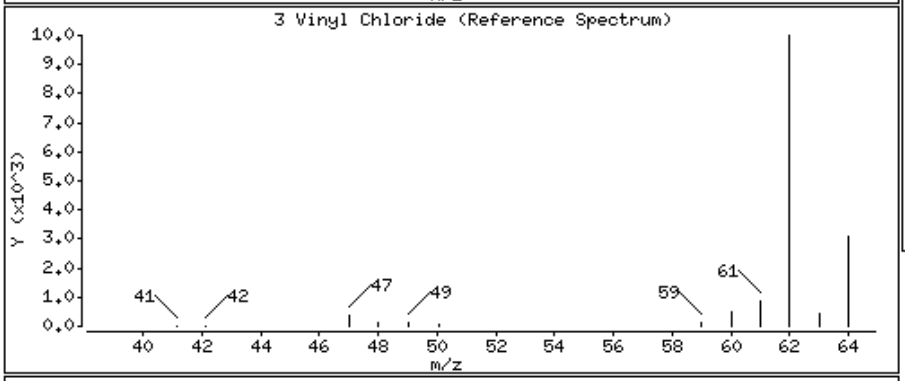
3 Vinyl Chloride Concentration: 102.490 ug/L

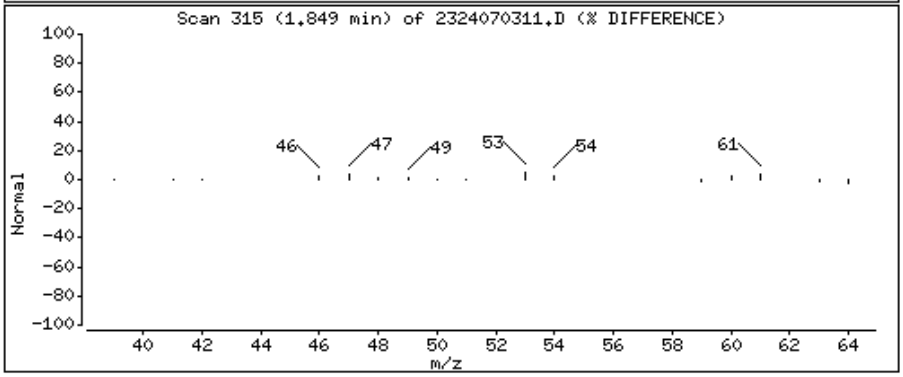












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070311.D Page 3

Date : 03-JUL-2024 13:30

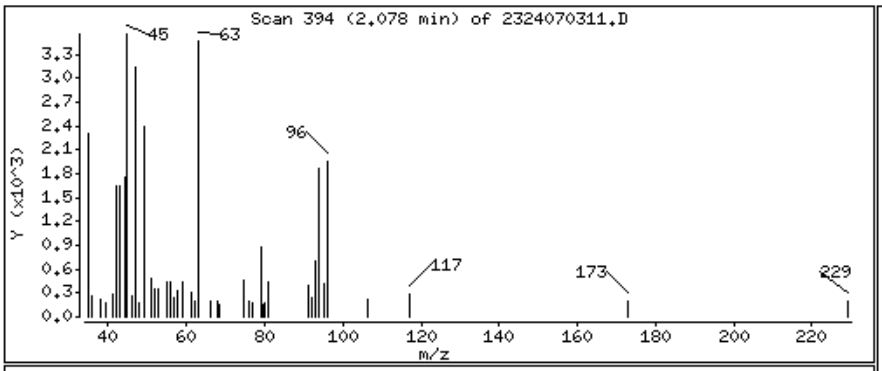
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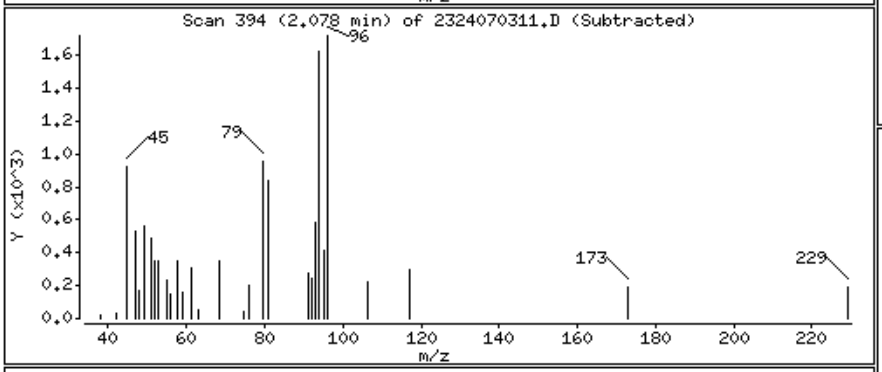
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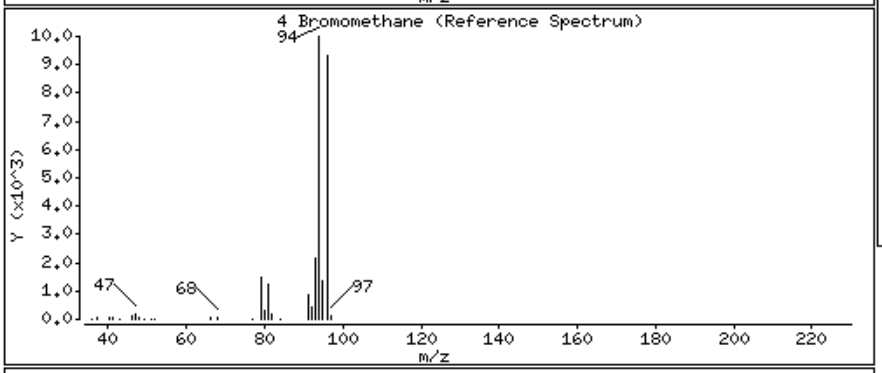
Purge Volume: 5.0 Operator: TMP

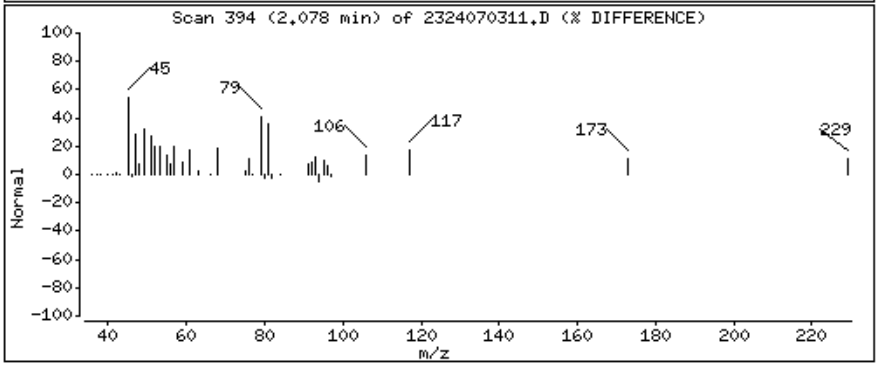
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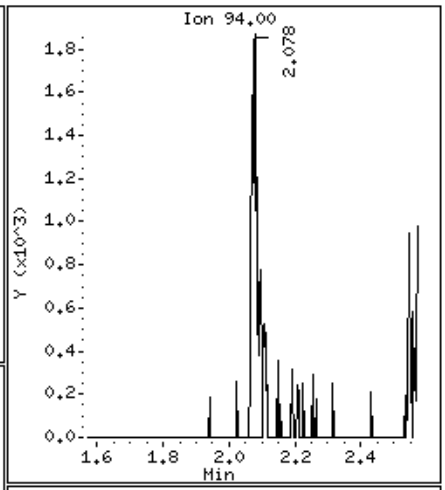
4 Bromomethane Concentration: 22.8614 ug/L

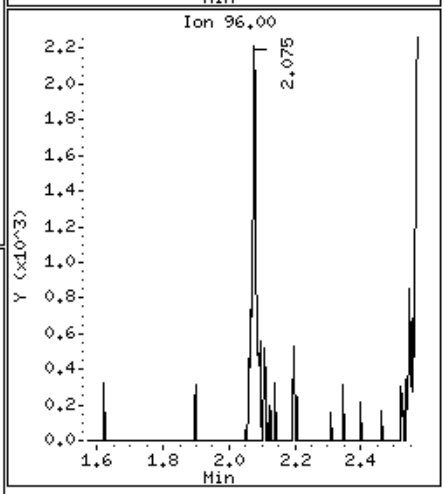












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070311.D Page 4

Date : 03-JUL-2024 13:30

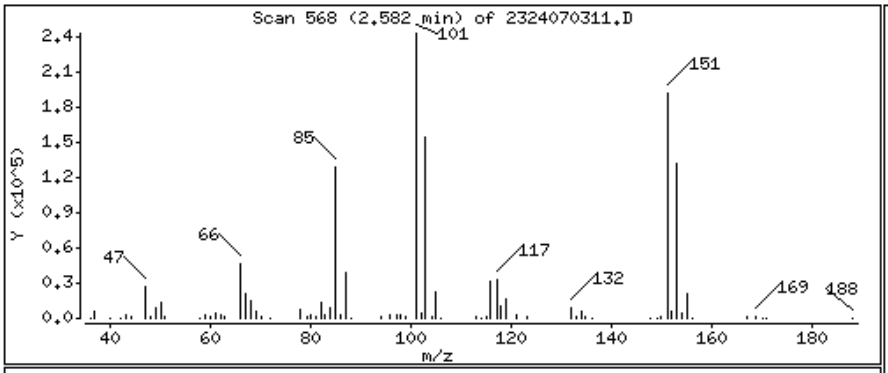
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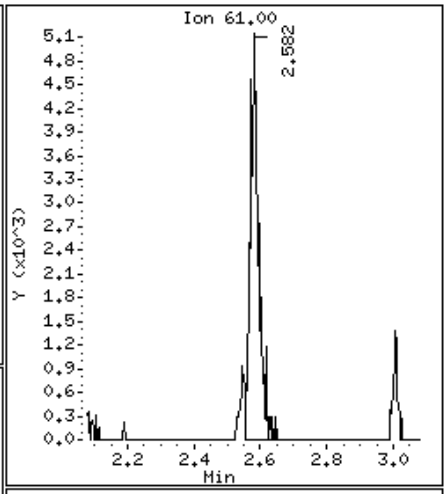
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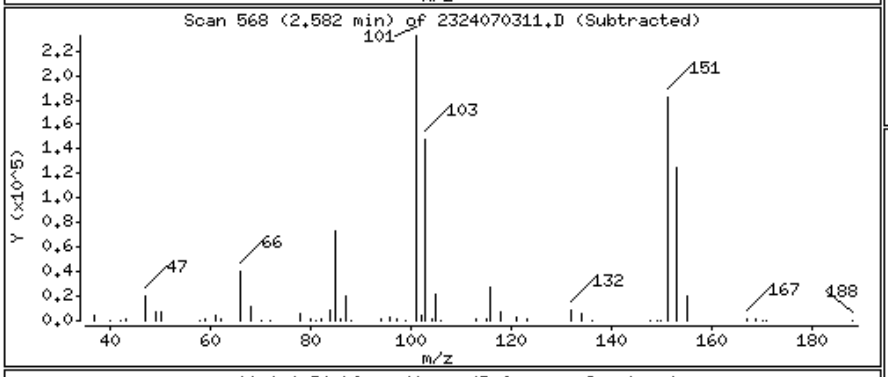
Purge Volume: 5.0 Operator: TMP

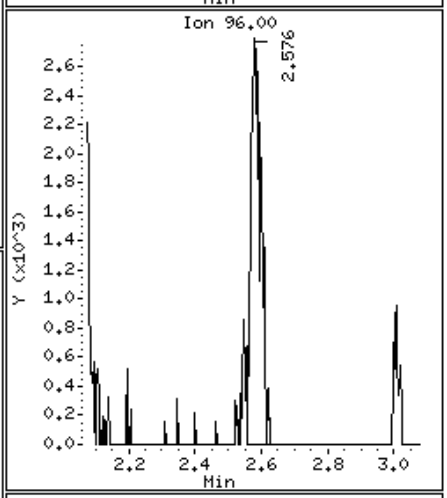
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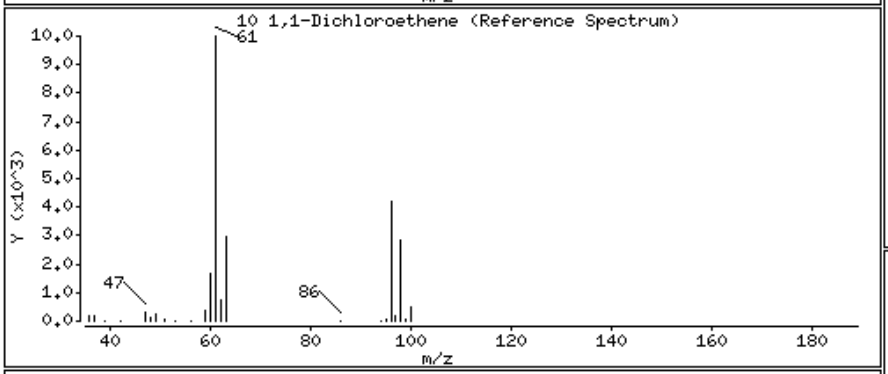
10 1,1-Dichloroethene Concentration: 49.1561 ug/L

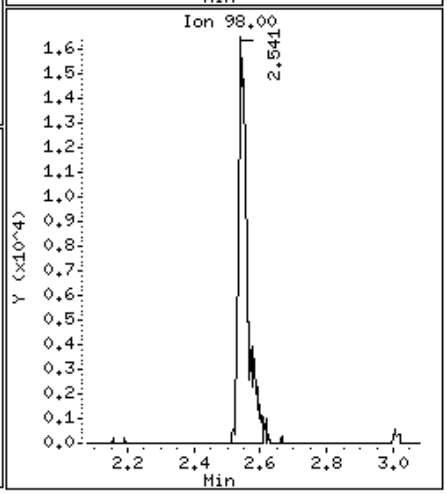


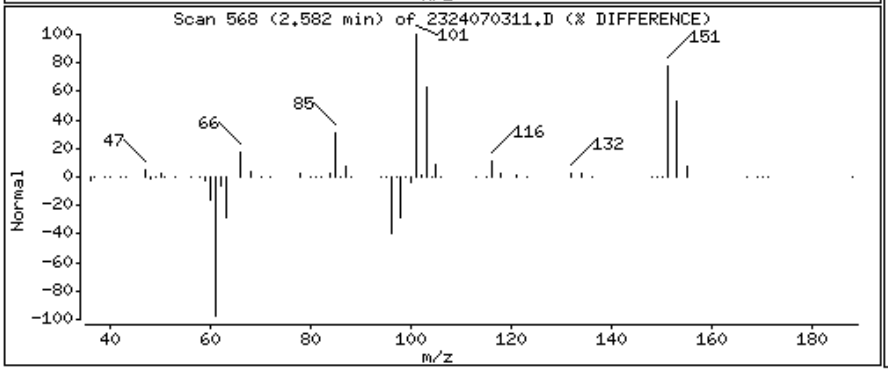












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Date : 03-JUL-2024 13:30

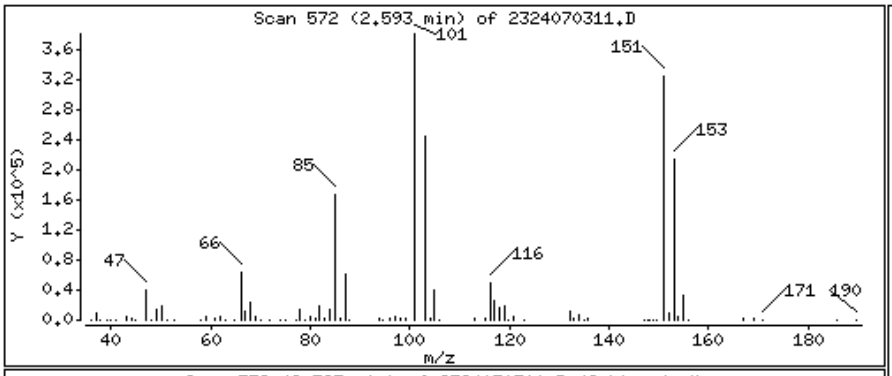
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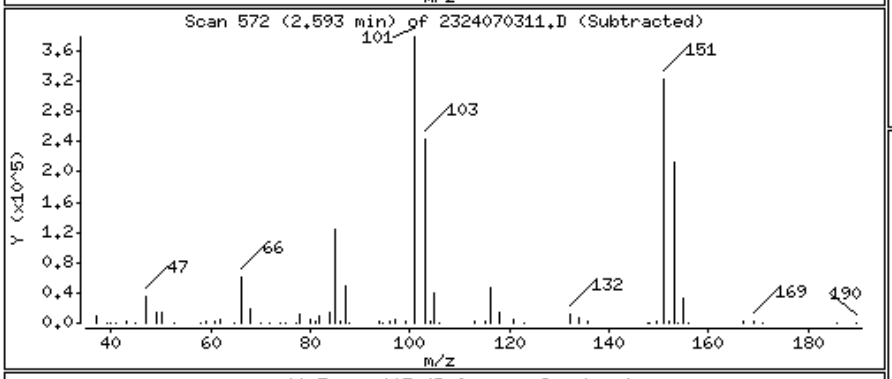
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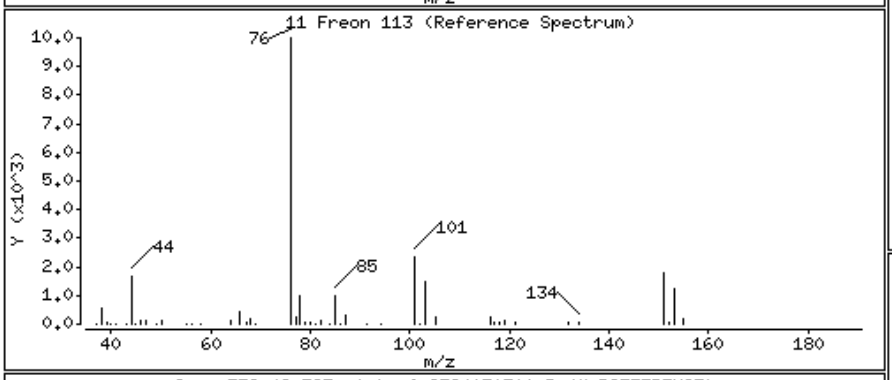
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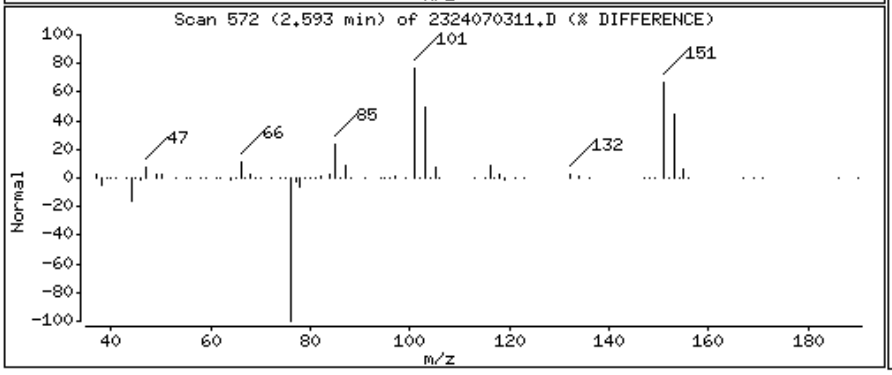
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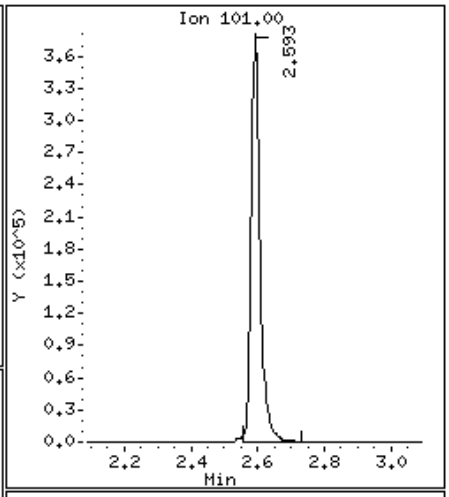
11 Freon 113 Concentration: 6131.40 ug/L

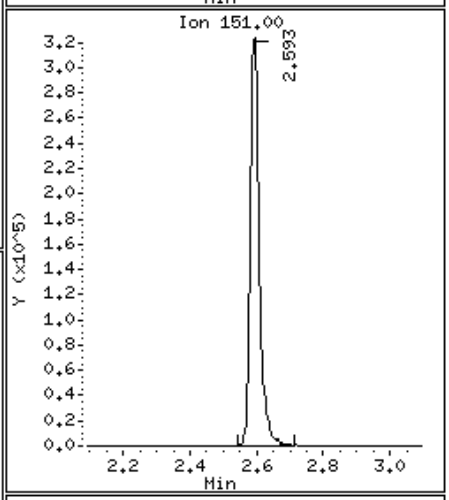


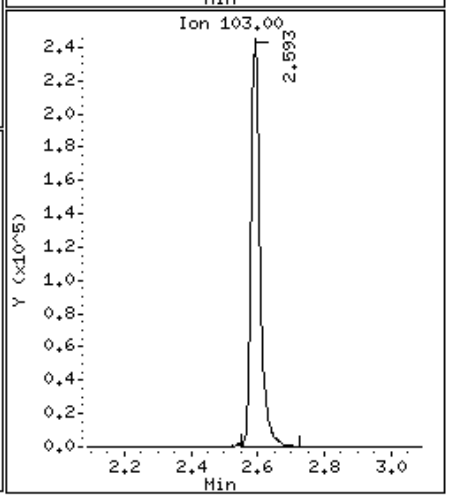












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070311.D Page 6

Date : 03-JUL-2024 13:30

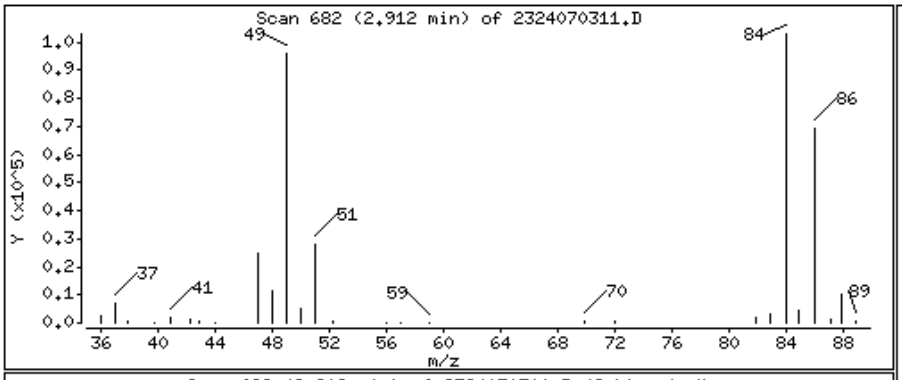
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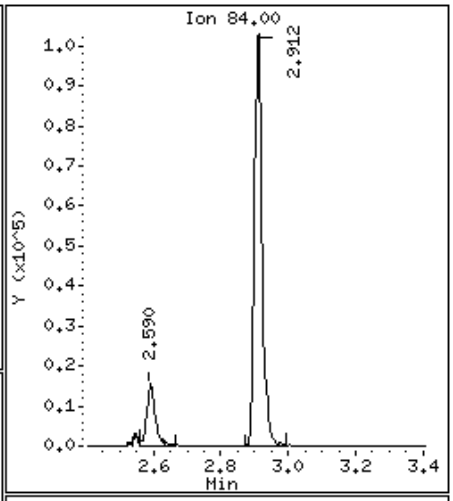
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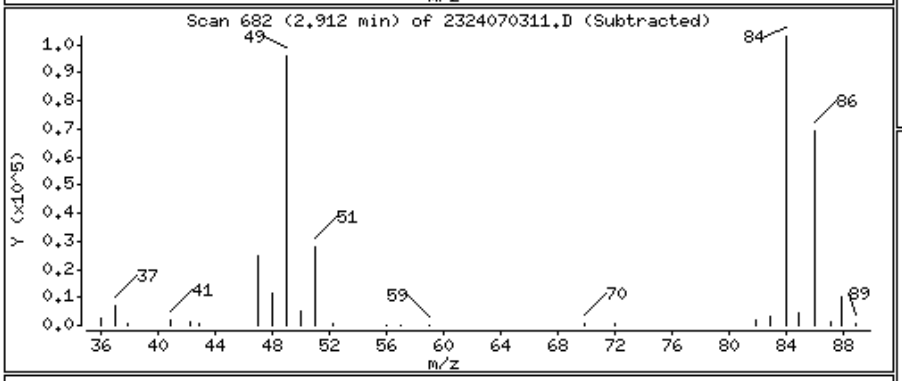
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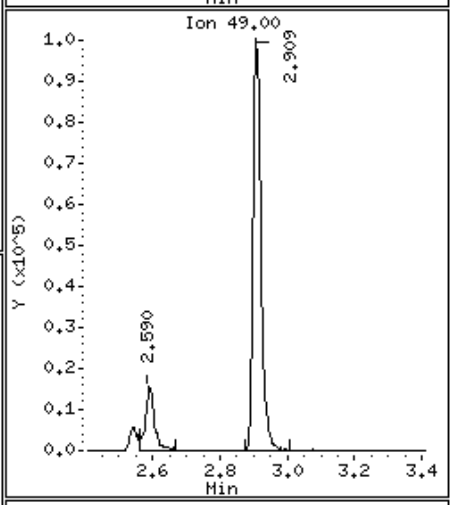
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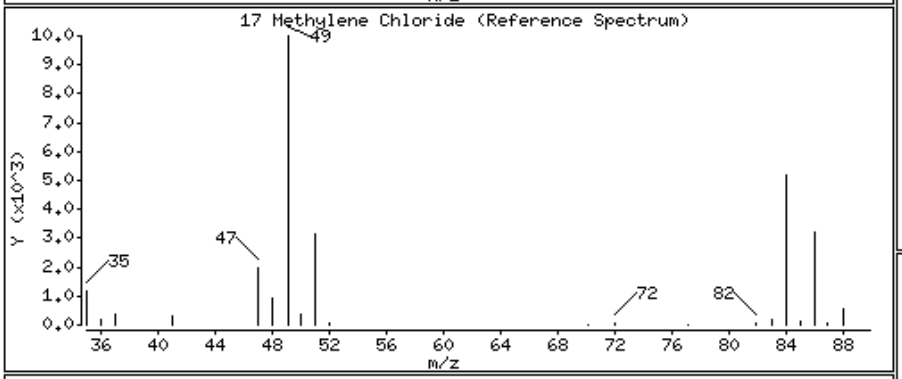
17 Methylene Chloride Concentration: 1222.93 ug/L

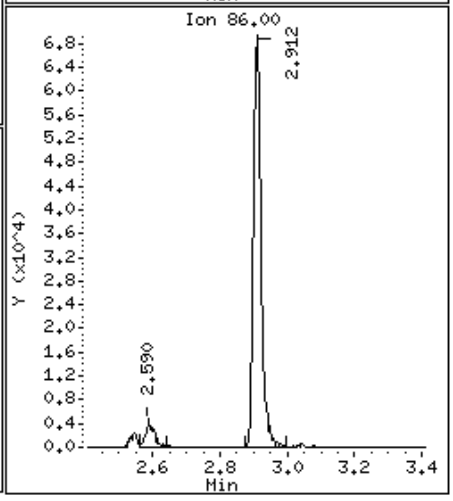


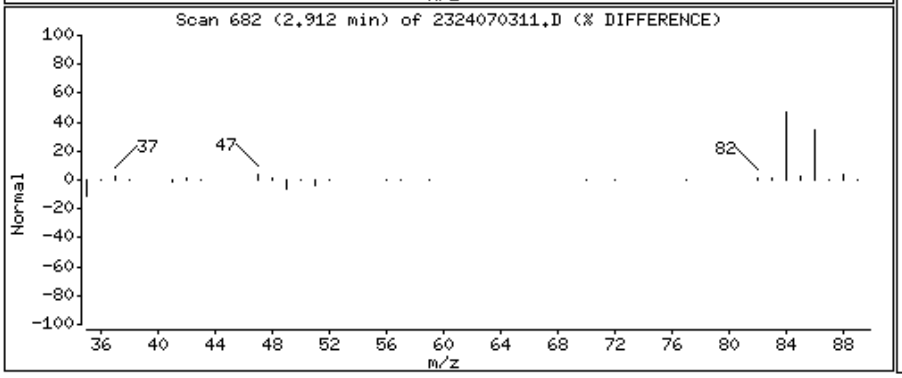












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Date : 03-JUL-2024 13:30

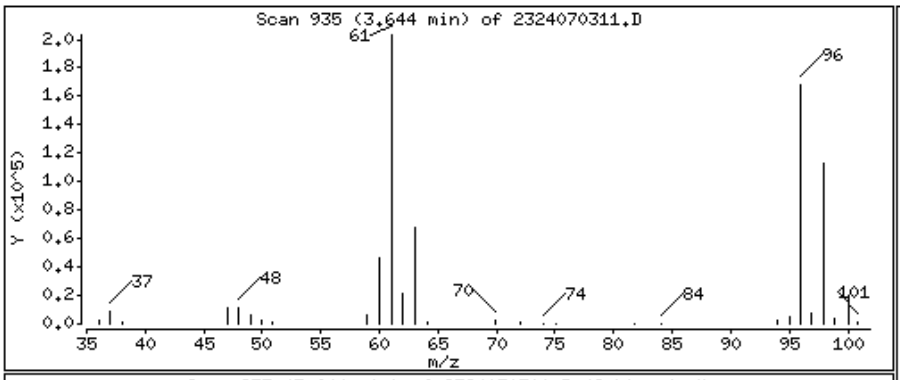
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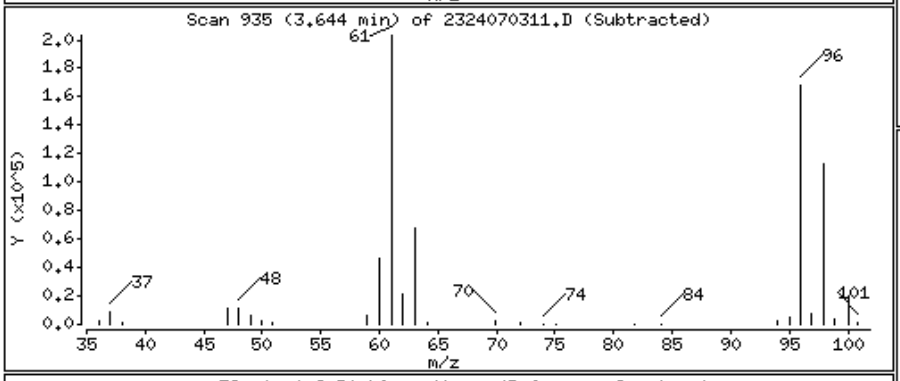
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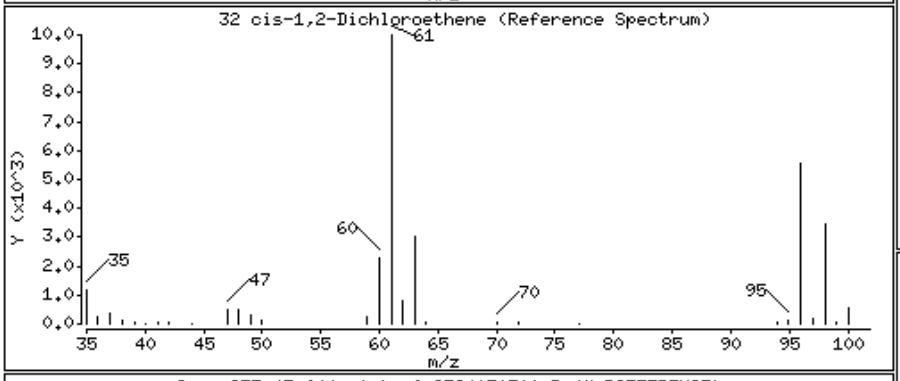
Purge Volume: 5.0 Operator: TMP

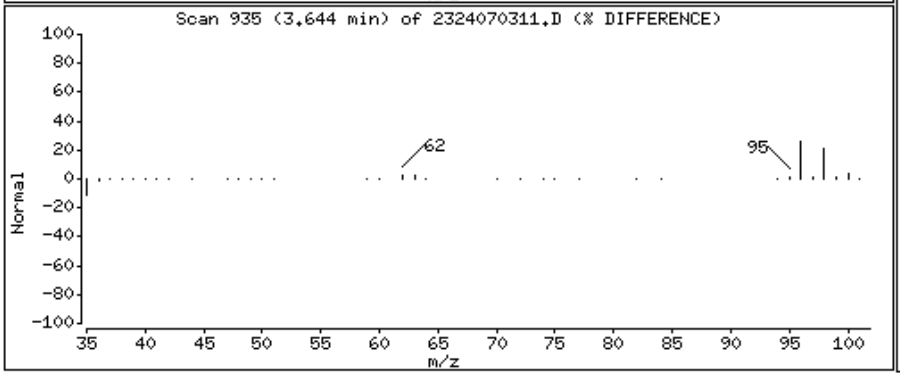
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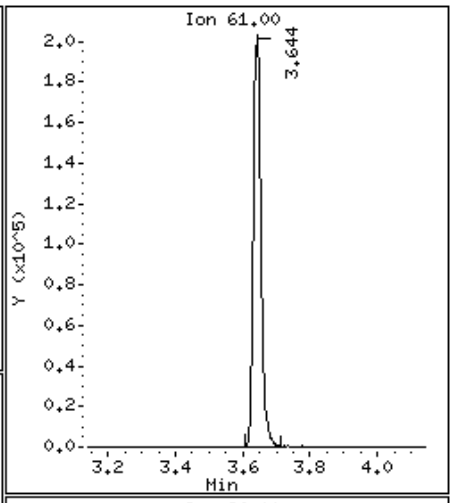
32 cis-1,2-Dichloroethene Concentration: 1824.63 ug/L

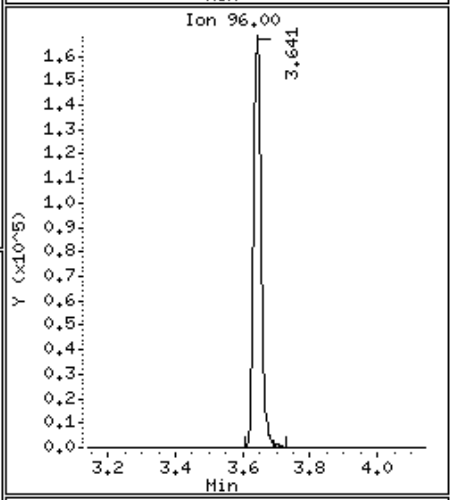


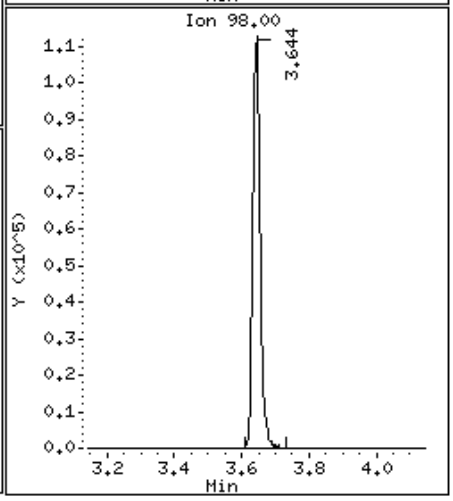












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070311.D Page 8

Date : 03-JUL-2024 13:30

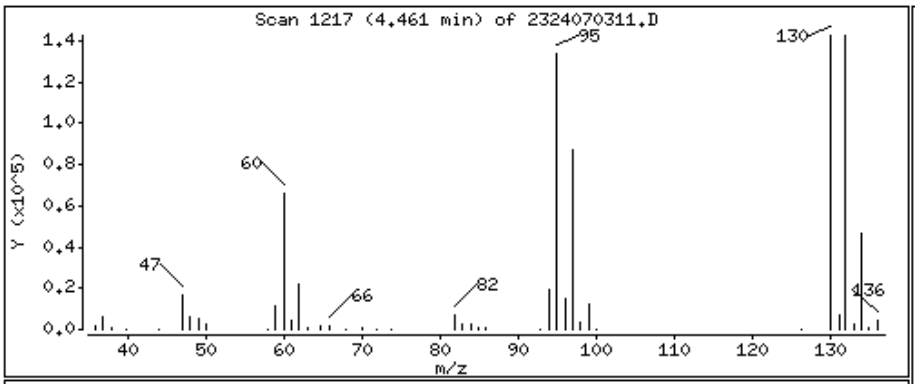
Client ID: ICT8_062024 Instrument: ms23.i

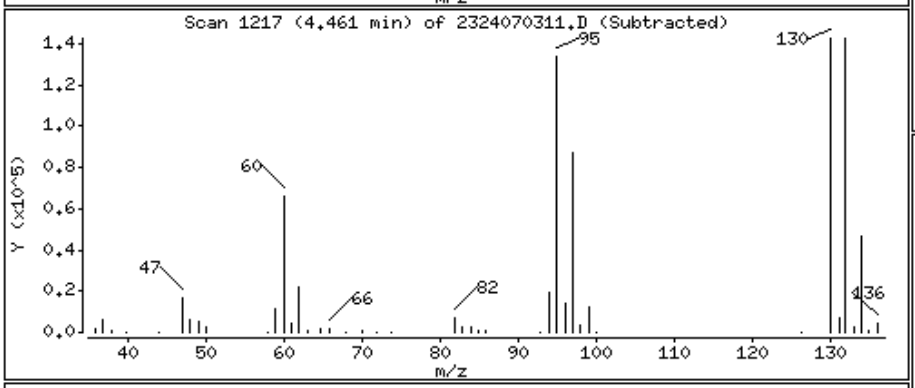
Sample Info: 3366026004;;1;;;;;50

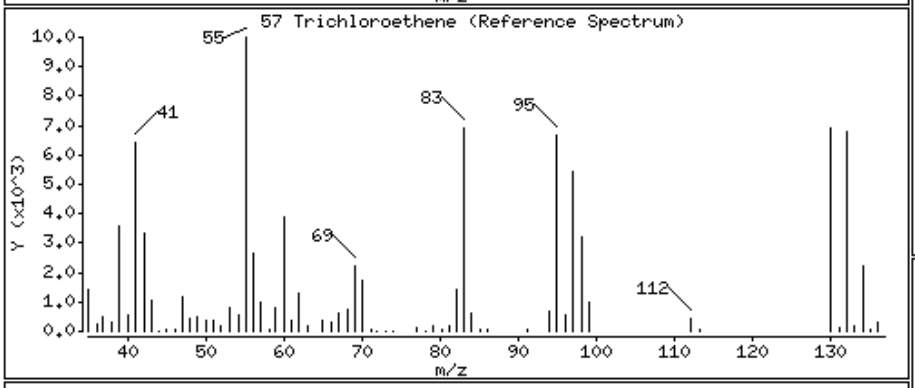
Purge Volume: 5.0 Operator: TMP

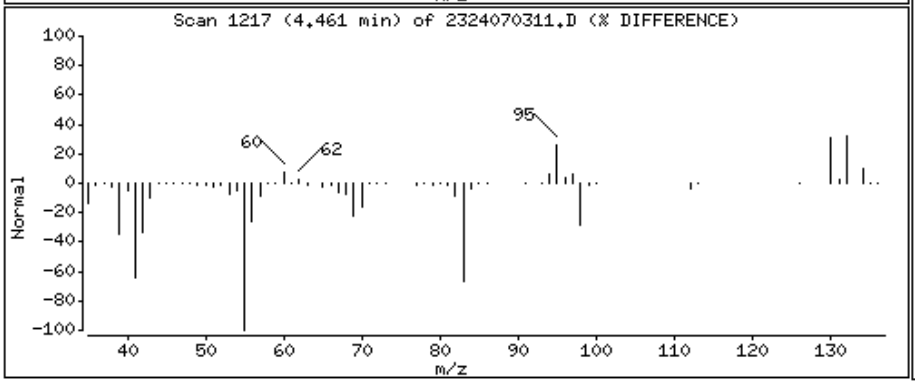
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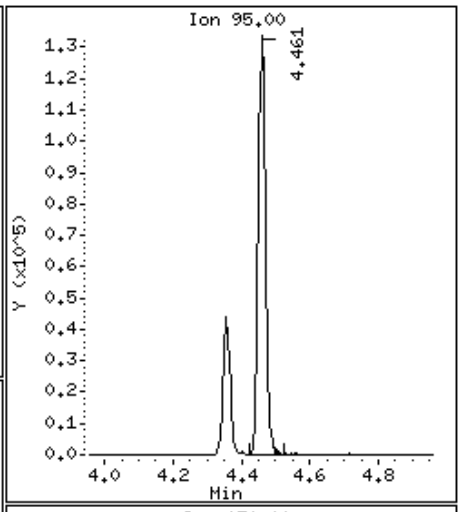
57 Trichloroethene Concentration: 1398.37 ug/L

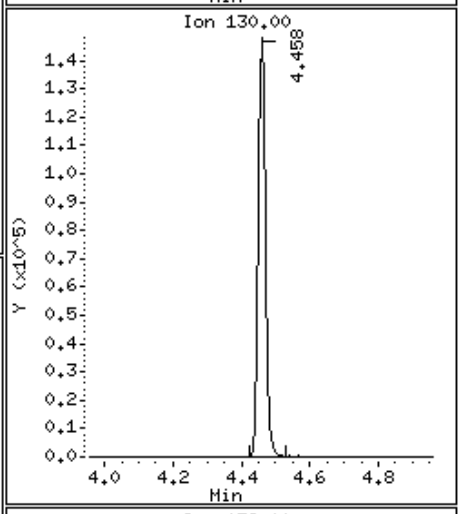


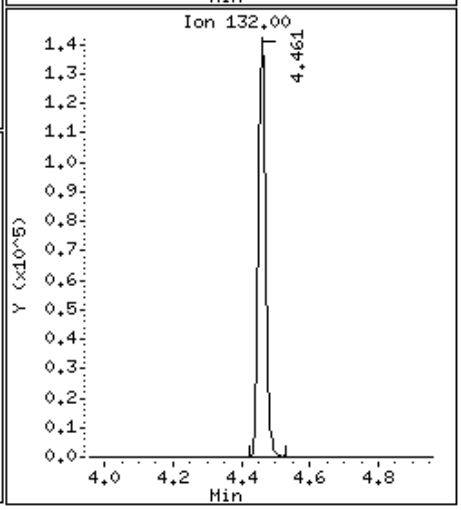












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070311.D Page 9

Date : 03-JUL-2024 13:30

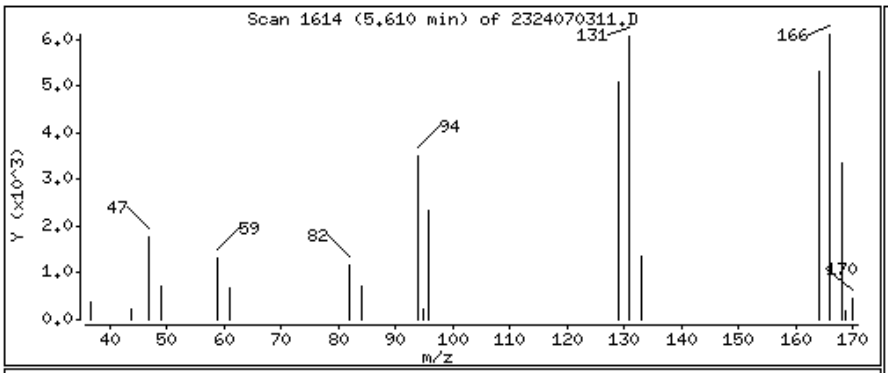
Client ID: ICT8_062024 Instrument: ms23.i

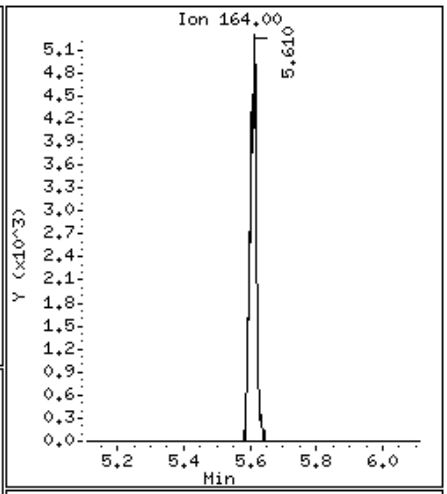
Sample Info: 3366026004;;1;;;;;50

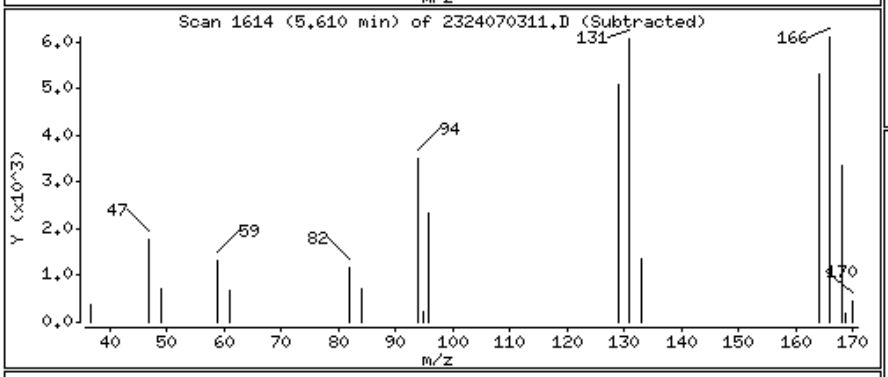
Purge Volume: 5.0 Operator: TMP

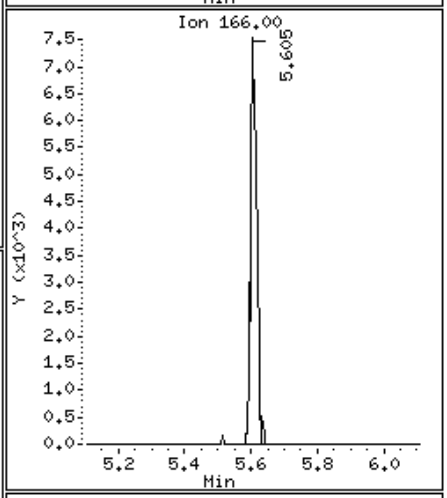
Column phase: DB-VRX Column diameter: 0.25

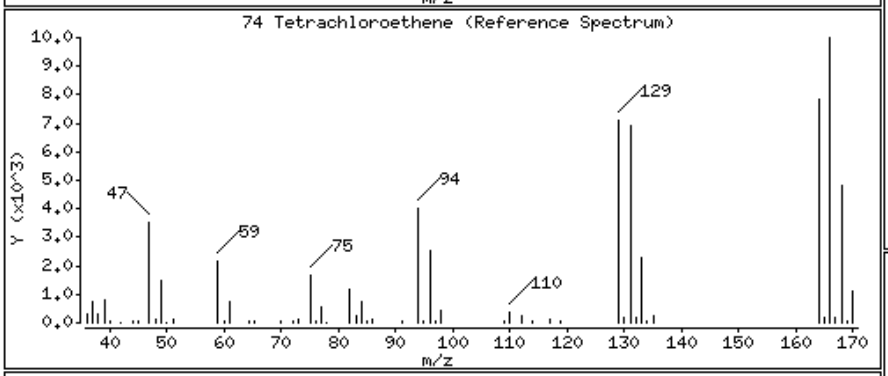
74 Tetrachloroethene Concentration: 51.3134 ug/L

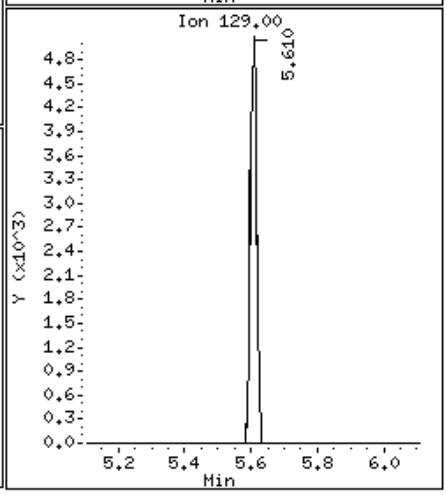


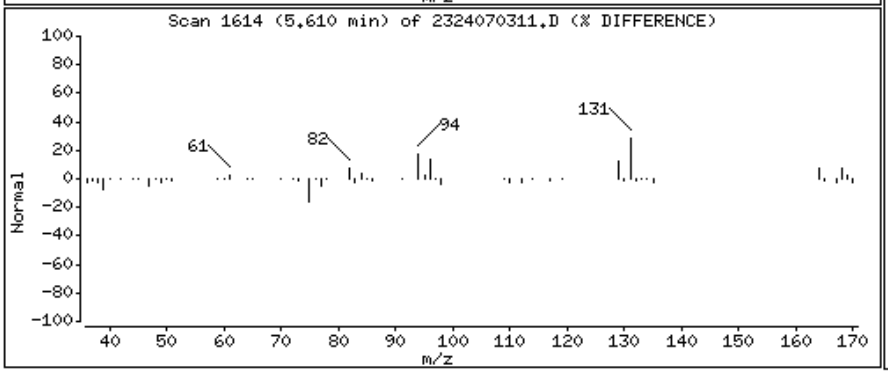












Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070311.D
Inj Date : 03-JUL-2024 13:30
InstruID : ms23.i
LabSampID : 3366026004

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:34
Client ID: ICT8_062024
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407031
Inj Date: 03-JUL-2024 13:30
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
2-Butanone
1-Chlorohexane
trans-1,2-Dichloroethene
1,3-Dichloropropane
Pentane
Trichlorofluoromethane
Bromodichloromethane
tert.- Butyl Alcohol
1,2-Dichloroethane
Dichlorofluoromethane
Isopropyl Alcohol
1,1,1-Trichloroethane

Data File: 2324070312.D Page 1
Report Date: 09-Jul-2024 13:35

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070312.D
Lab Smp Id: 3366026020 Client Smp ID: ICT14C_062024
Inj Date : 03-JUL-2024 13:50
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026020;;1;;;;;100
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 12
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	1.849	1.849	(0.424)	52510	7.68312	768.312	
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	2.578	2.578	(0.592)	13710	1.48886	148.886	
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.590	2.590	(0.595)	176929	29.4912	2949.12	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	3.004	3.001	(0.690)	3741	0.44530	44.5299(a)	
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070312.D Page 2
Report Date: 09-Jul-2024 13:35

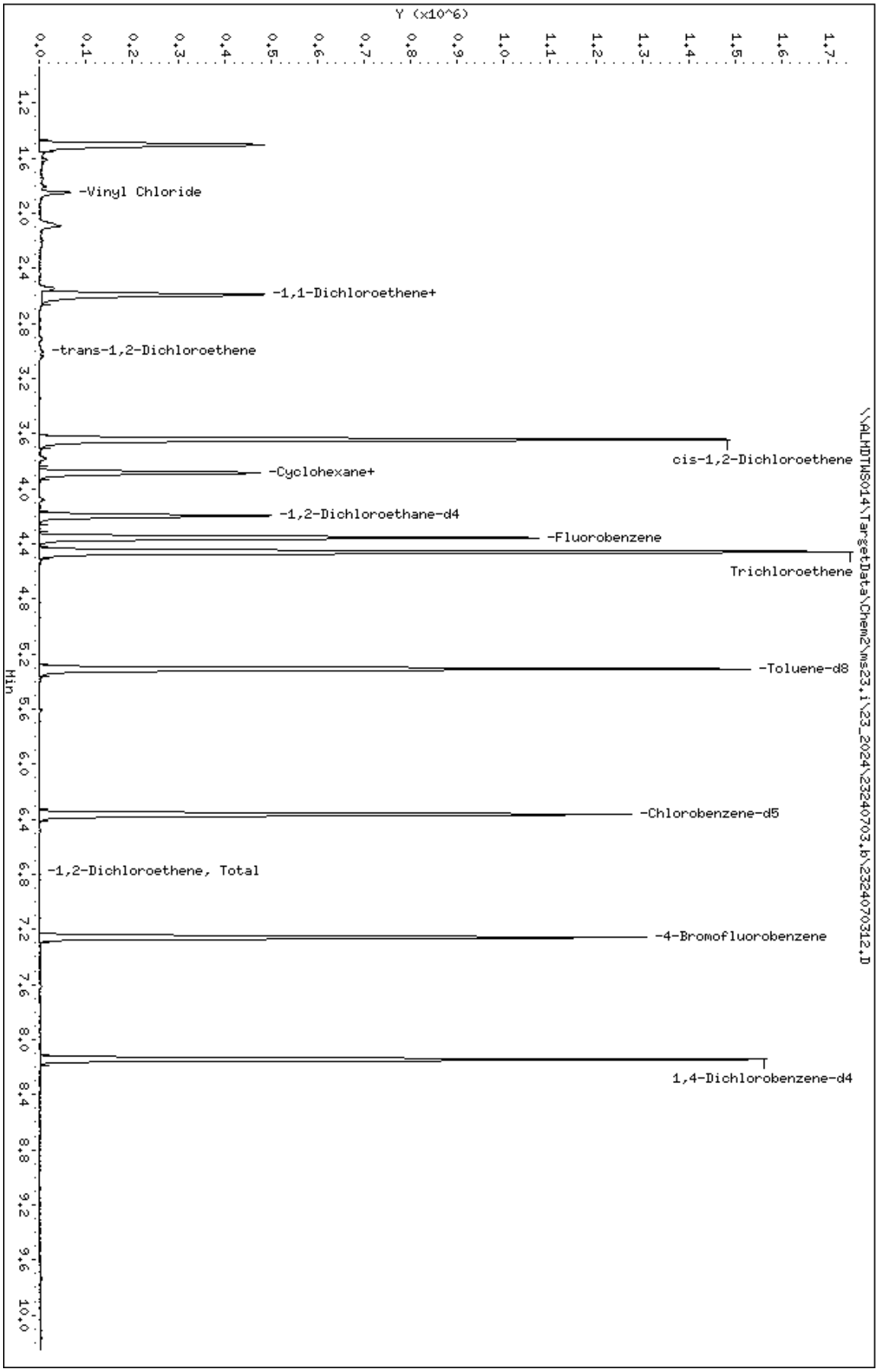
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.644	3.641	(0.837)	653539	72.3411	7234.11	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				657280	72.7864	7278.64	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	3.786	3.780	(0.869)	2901	0.30405	30.4050(a)	
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	218060	29.3501	2935.01	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	319207	30.4919	3049.19	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	756067	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.460	4.457	(1.024)	445999	60.0370	6003.70	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	813416	30.7694	3076.94	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070312.D Page 3
Report Date: 09-Jul-2024 13:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.365	6.362	(1.000)	338676	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.260	7.257	(0.892)	317157	31.5983	3159.83	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	362801	30.0000		(Q)
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.



Data File: \\ALHDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070312.D
Date : 03-JUL-2024 13:50
Client ID: ICT14C_062024
Sample Info: 336602602O;;1;;;;;;100
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms23.i
Operator: TMP
Column diameter: 0.25

Page 1

Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070312.D Page 2

Date : 03-JUL-2024 13:50

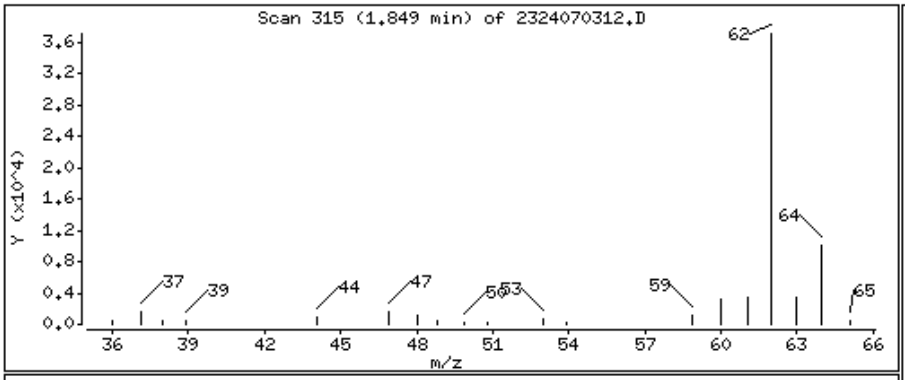
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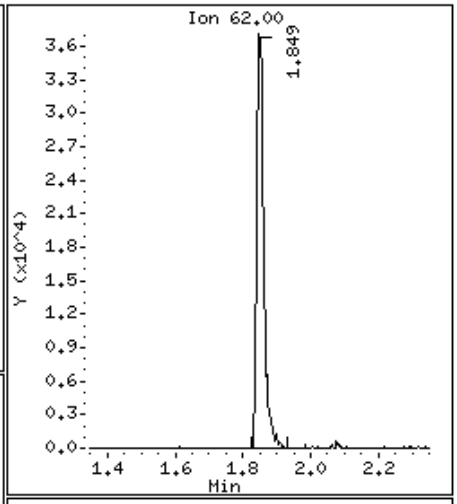
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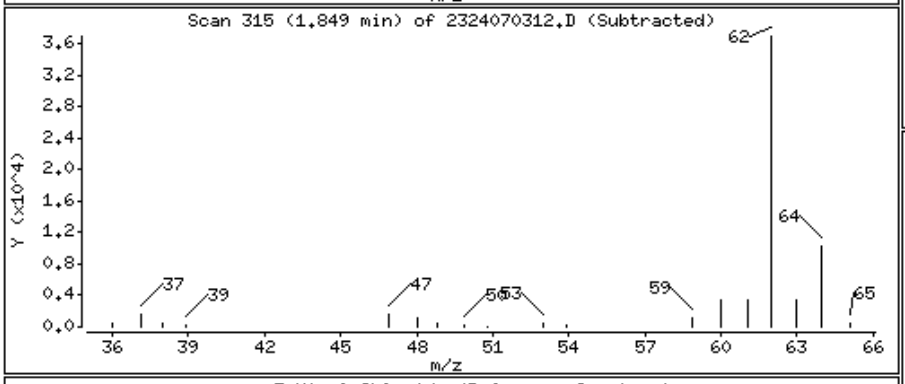
Purge Volume: 5.0 Operator: TMP

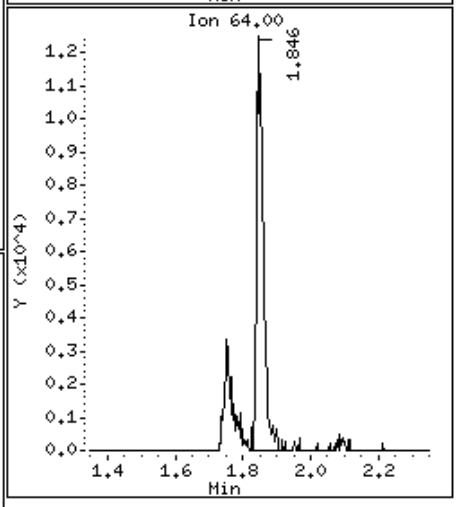
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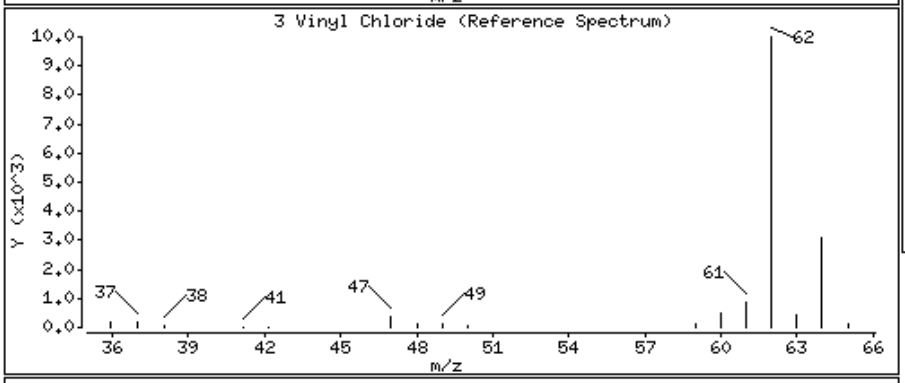
3 Vinyl Chloride Concentration: 768.312 ug/L

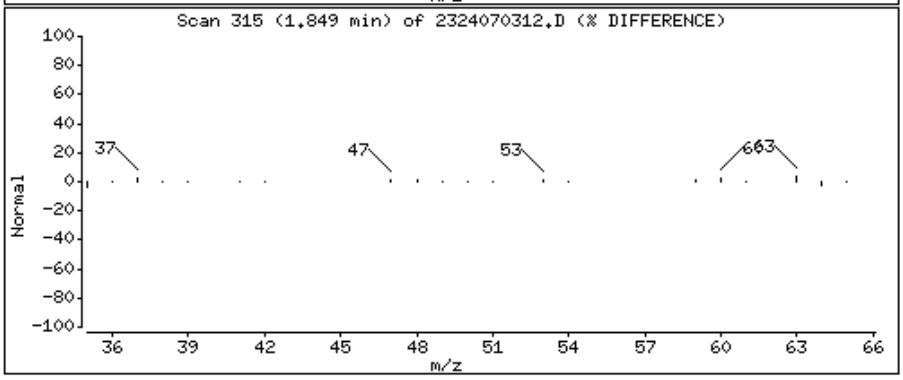












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070312.D Page 3

Date : 03-JUL-2024 13:50

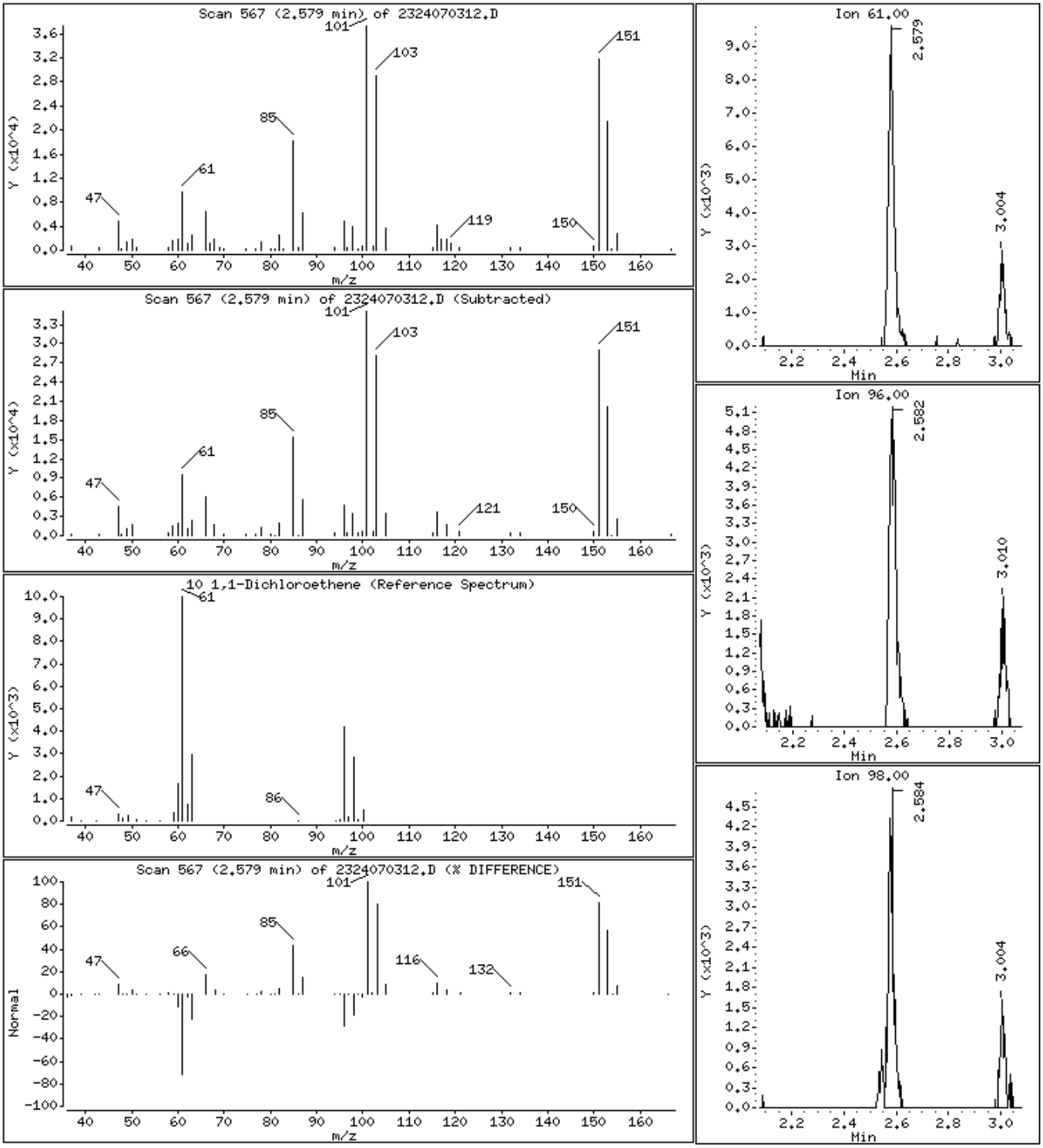
Client ID: ICT14C_062024 Instrument: ms23.i

Sample Info: 3366026020;;1;;;;;100

Purge Volume: 5.0 Operator: TMP

Column phase: DB-WRX Column diameter: 0.25

10 1,1-Dichloroethene Concentration: 148.886 ug/L



Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070312.D Page 4

Date : 03-JUL-2024 13:50

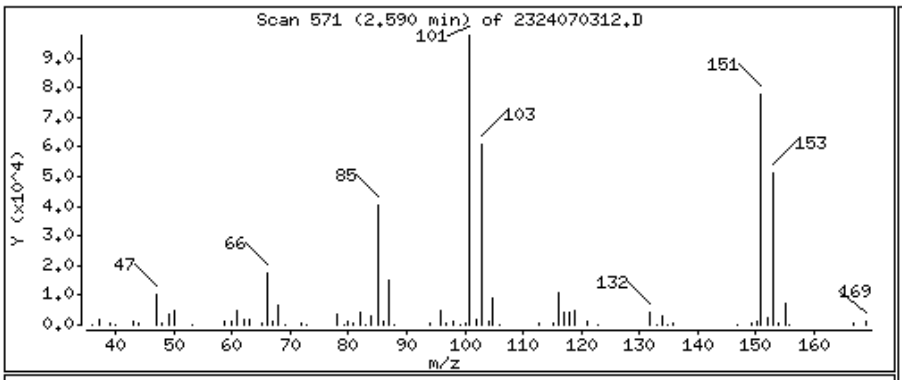
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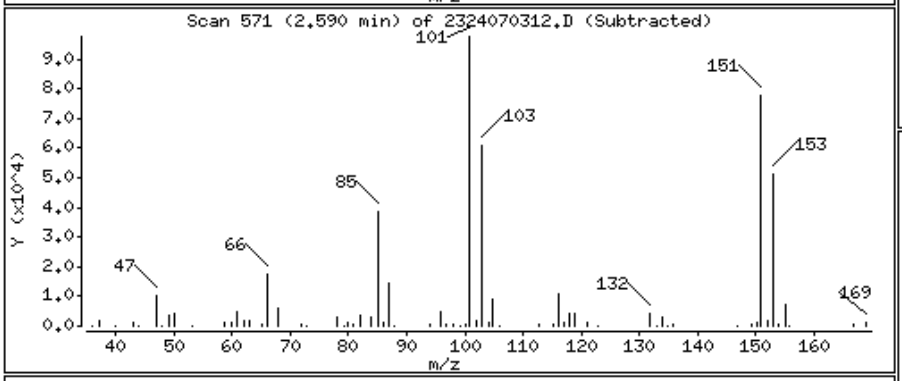
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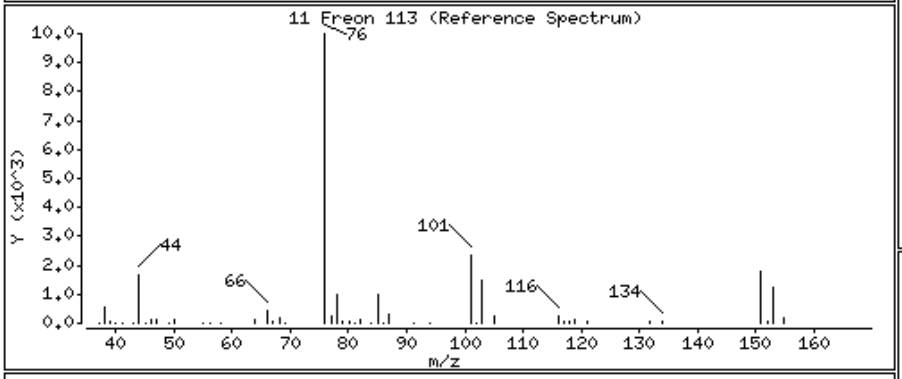
Purge Volume: 5.0 Operator: TMP

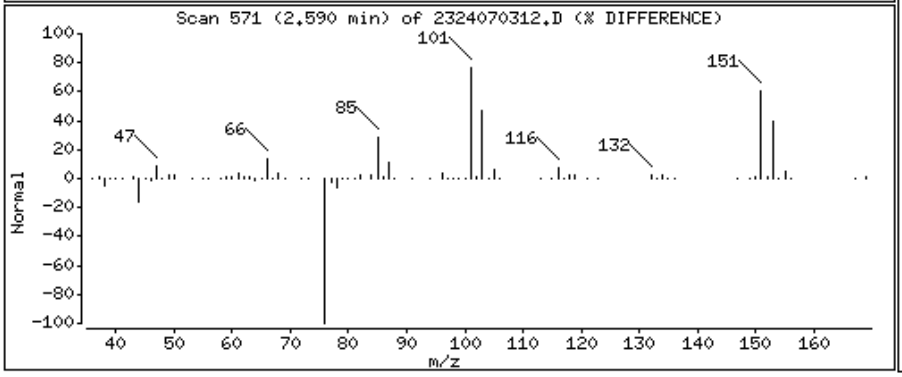
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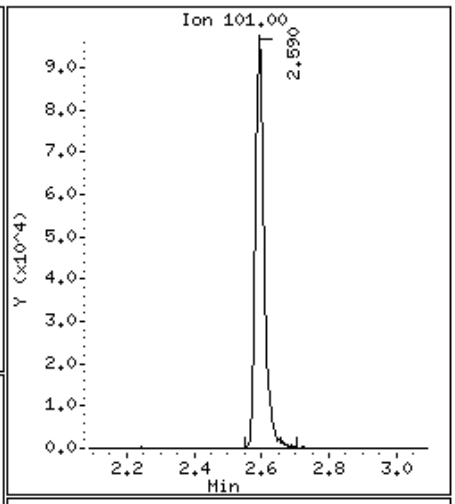
11 Freon 113 Concentration: 2949.12 ug/L

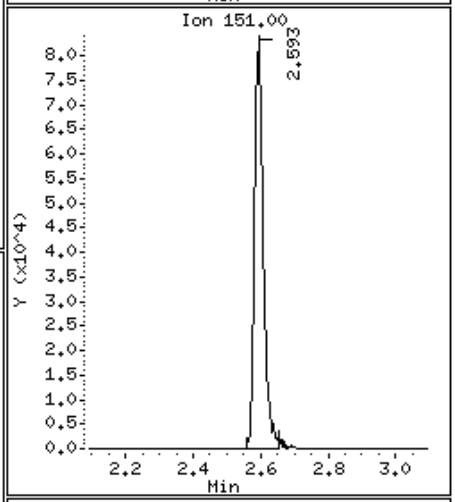


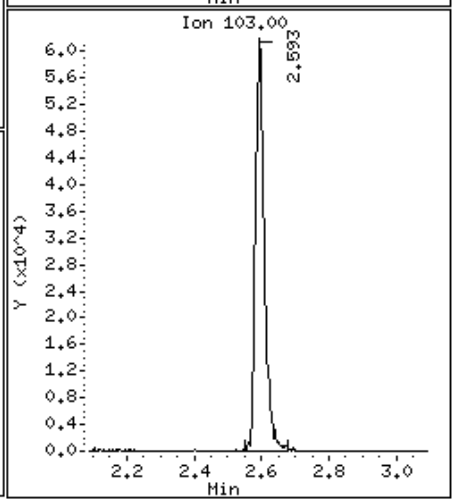












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070312.D Page 5

Date : 03-JUL-2024 13:50

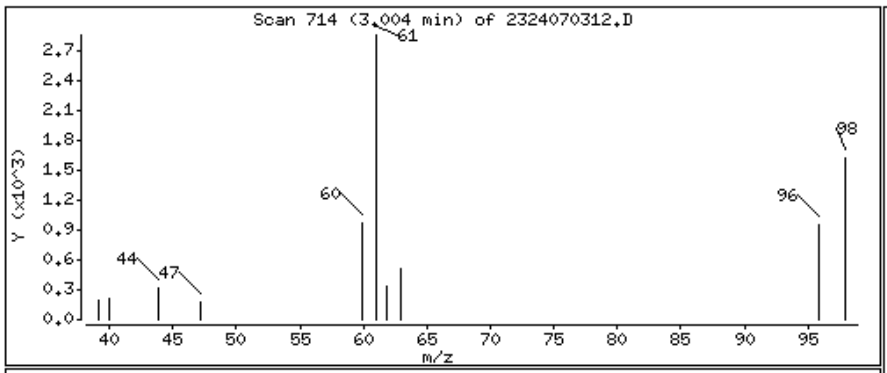
Client ID: ICT14C_062024 Instrument: ms23.i

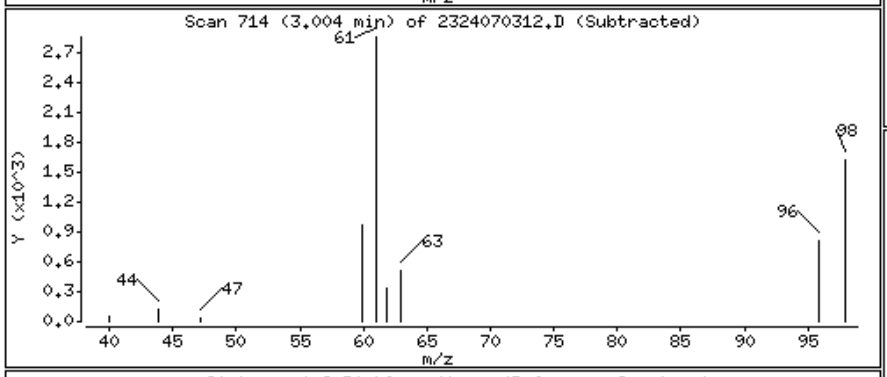
Sample Info: 3366026020;;1;;;;;100

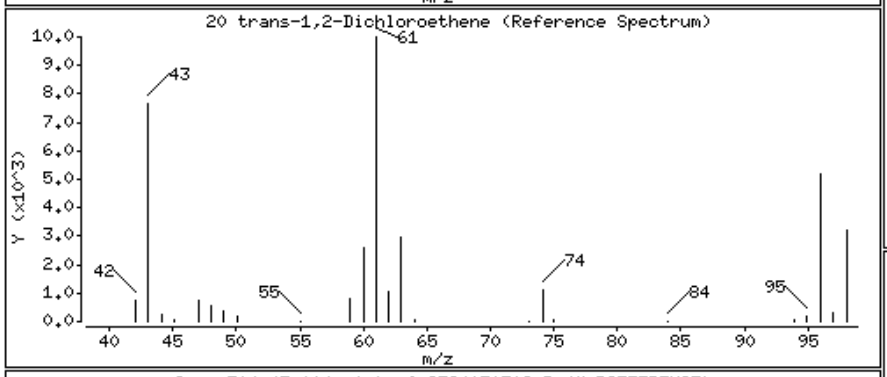
Purge Volume: 5.0 Operator: TMP

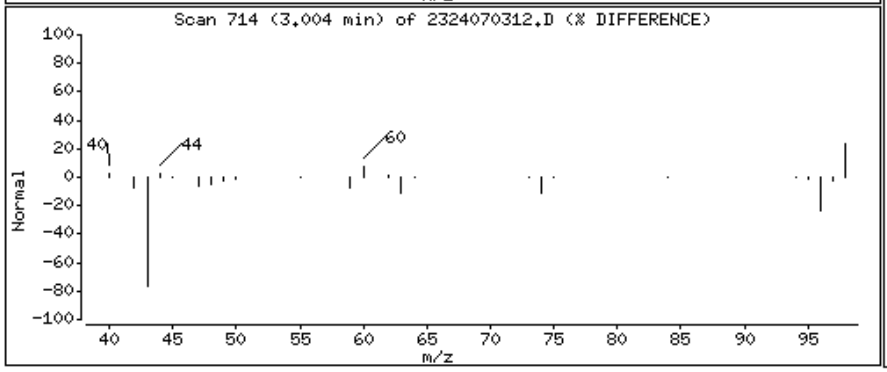
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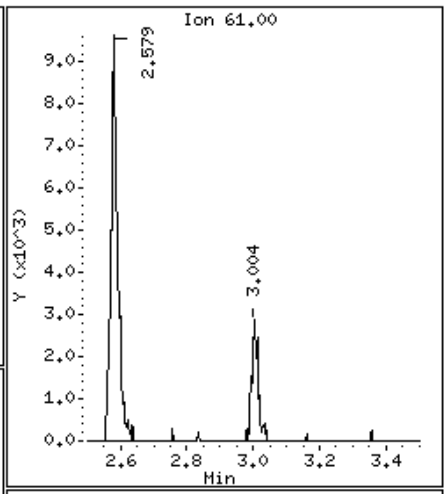
20 trans-1,2-Dichloroethene Concentration: 44.5299 ug/L

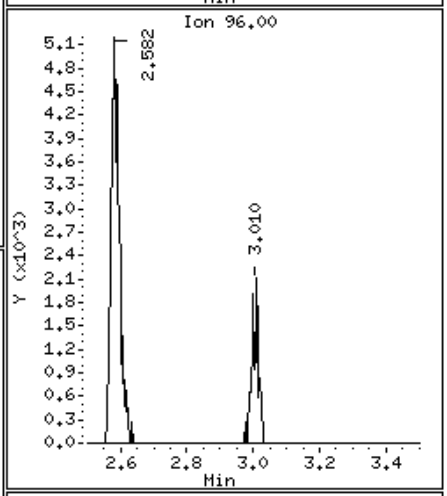


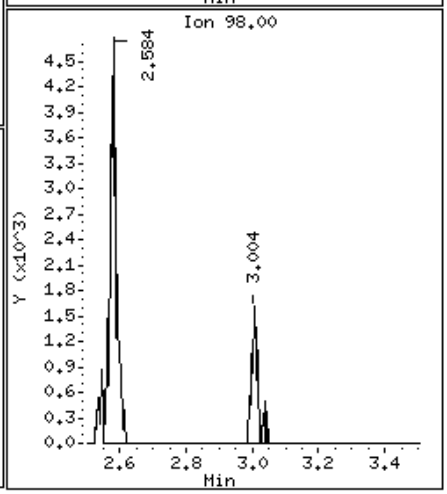












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070312.D Page 6

Date : 03-JUL-2024 13:50

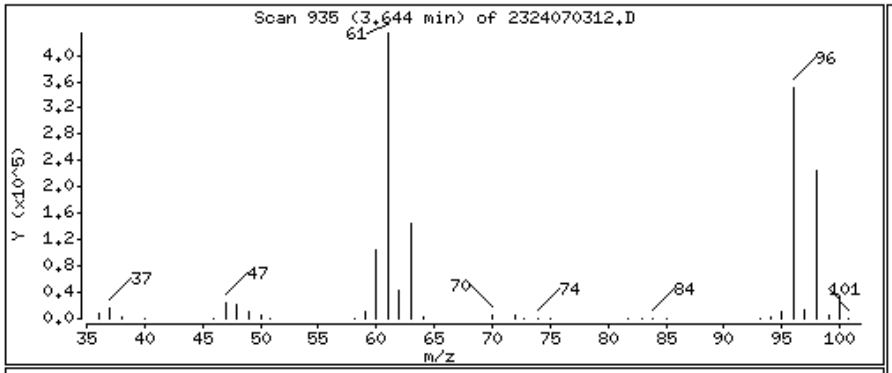
Client ID: ICT14C_062024 Instrument: ms23.i

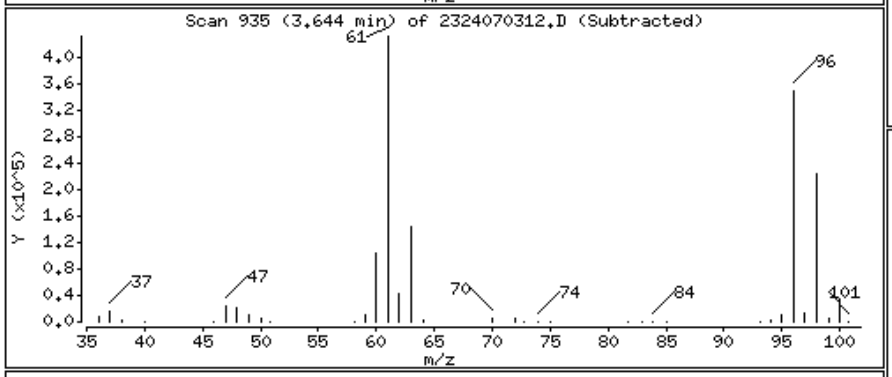
Sample Info: 3366026020;;1;;;;;100

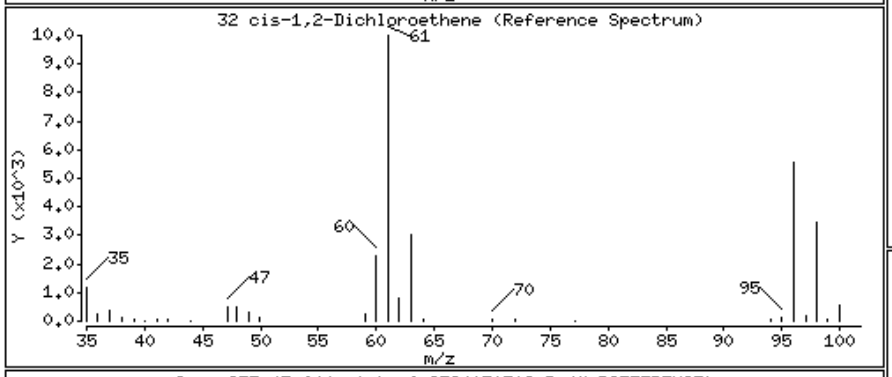
Purge Volume: 5.0 Operator: TMP

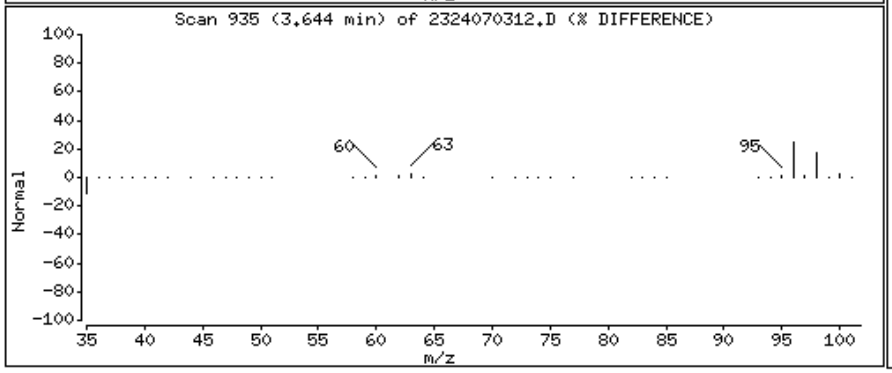
Column phase: DB-VRX Column diameter: 0.25

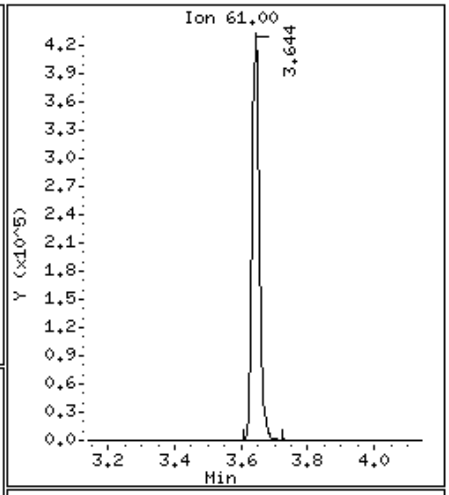
32 cis-1,2-Dichloroethene Concentration: 7234.11 ug/L

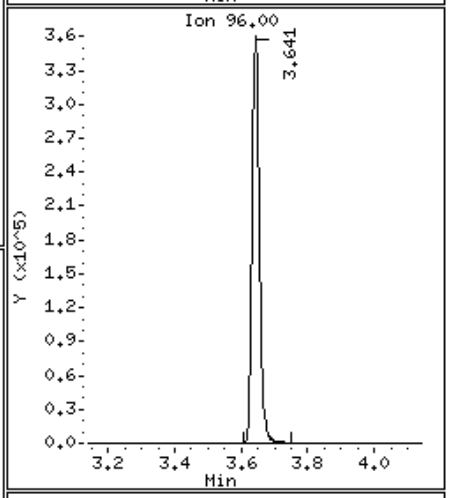


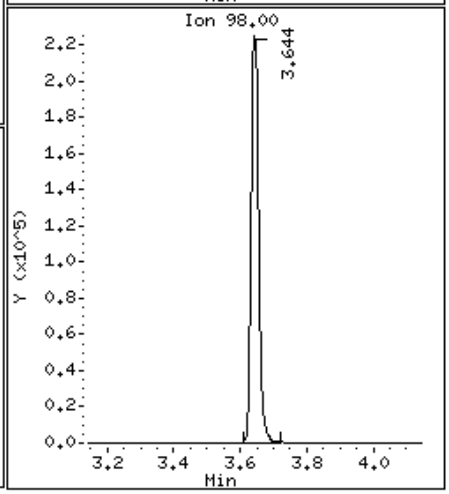












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070312.D Page 7

Date : 03-JUL-2024 13:50

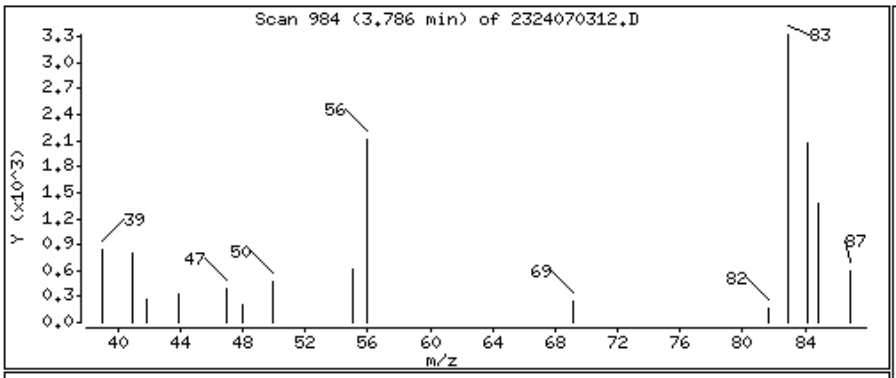
Client ID: ICT14C_062024 Instrument: ms23.i

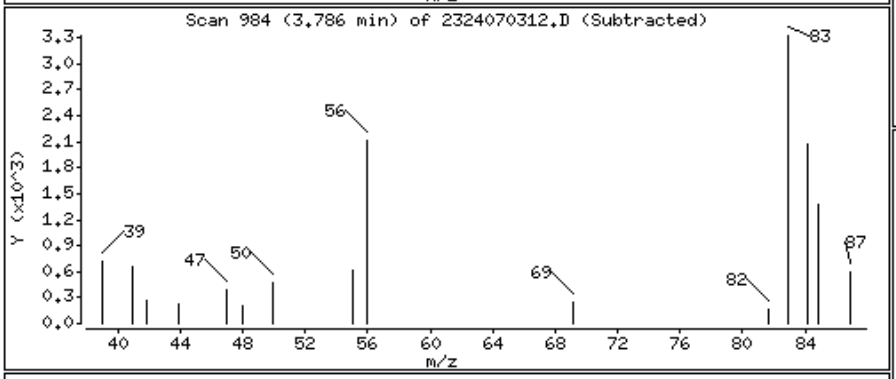
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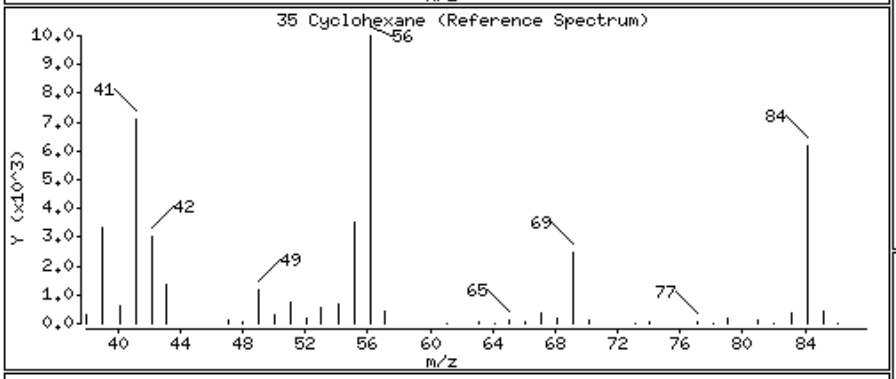
Purge Volume: 5.0 Operator: TMP

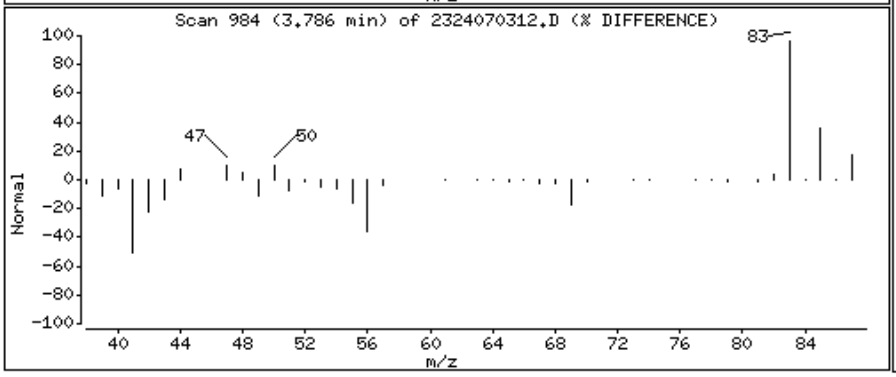
Column phase: DB-VRX Column diameter: 0.25

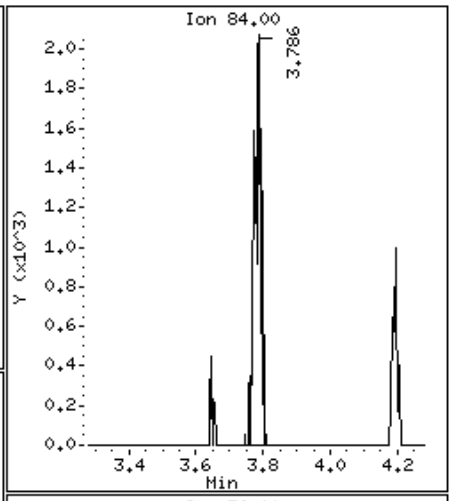
35 Cyclohexane Concentration: 30.4050 ug/L

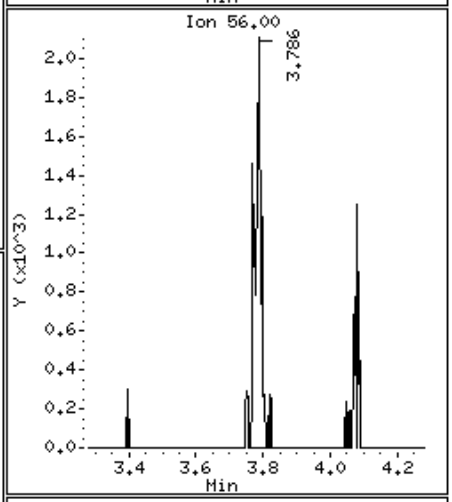


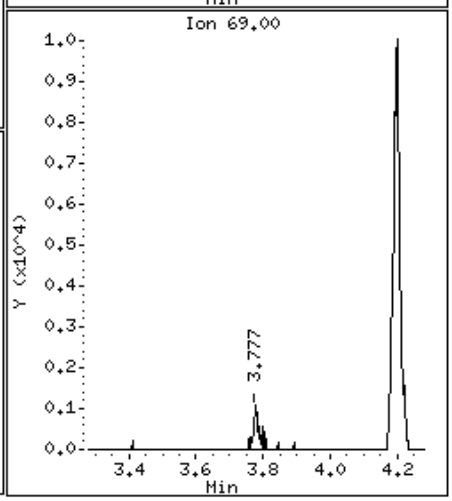












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070312.D Page 8

Date : 03-JUL-2024 13:50

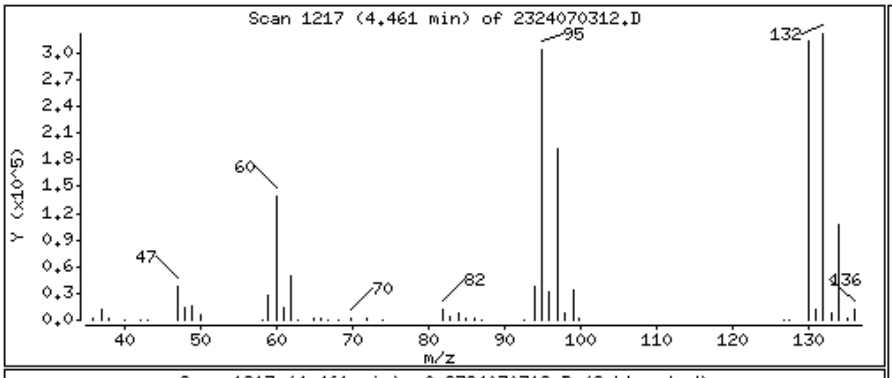
Client ID: ICT14C_062024 Instrument: ms23.i

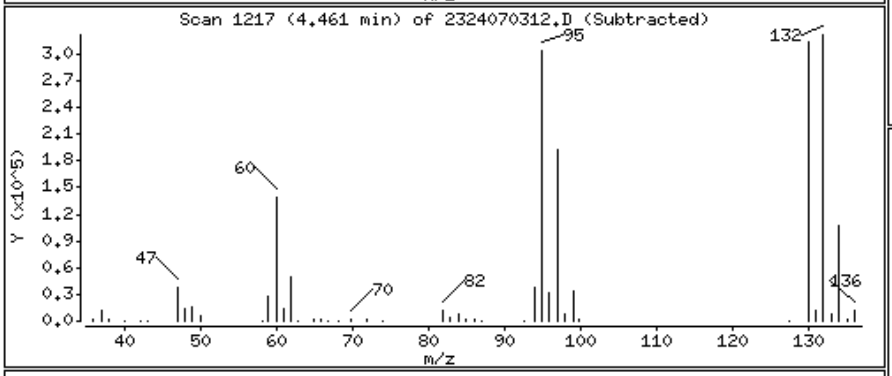
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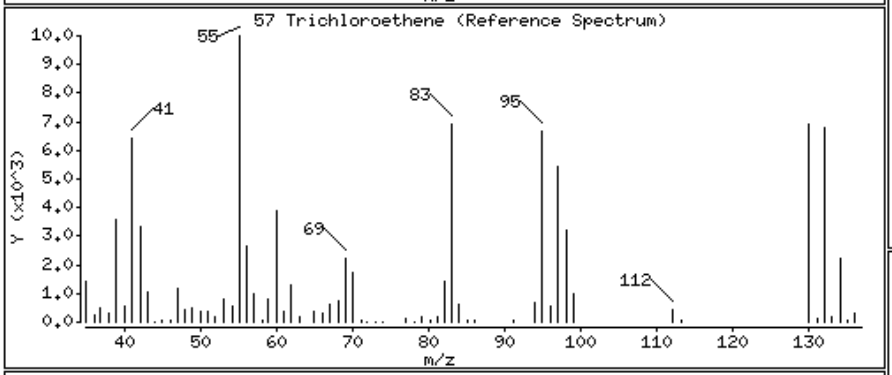
Purge Volume: 5.0 Operator: TMP

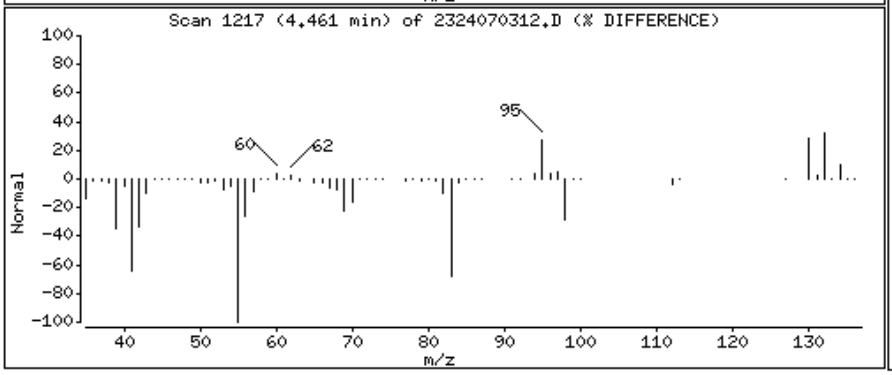
Column phase: DB-VRX Column diameter: 0.25

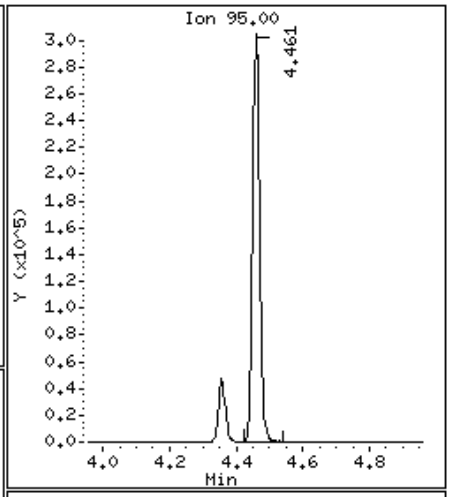
57 Trichloroethene Concentration: 6003.70 ug/L

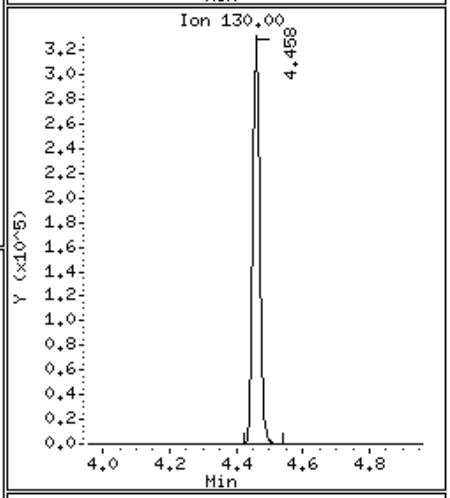


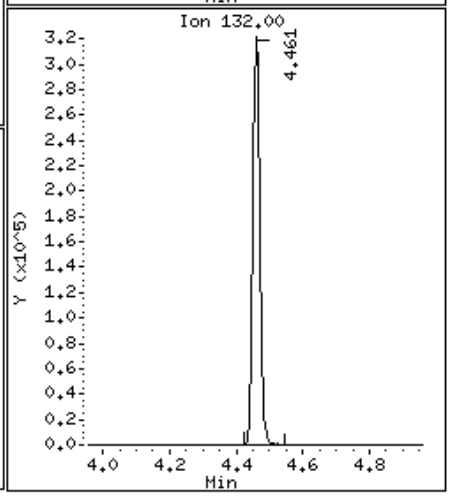












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Inj Date : 03-JUL-2024 13:50
InstruID : ms23.i
LabSampID : 3366026020

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:35
Client ID: ICT14C_062024
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407031
Inj Date: 03-JUL-2024 13:50
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
2-Butanone
1,2-Dichloroethane
1,3-Dichloropropane
Methylene Chloride
Trichlorofluoromethane
Bromodichloromethane
1-Chlorobutane
Dichlorofluoromethane
Isopropyl Alcohol
1,1,1-Trichloroethane

Data File: 2324070313.D Page 1
Report Date: 09-Jul-2024 13:36

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070313.D
Lab Smp Id: 3366026021 Client Smp ID: ICT14D_062024
Inj Date : 03-JUL-2024 14:09
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026021;;1;;;;;100
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 13
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	1.849	1.849	(0.424)	222743	30.5983	3059.83	
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	Compound Not Detected.						
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.593	2.590	(0.595)	483027	75.5897	7558.97	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	2.911	2.905	(0.668)	443690	60.0236	6002.36	
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070313.D Page 2
Report Date: 09-Jul-2024 13:36

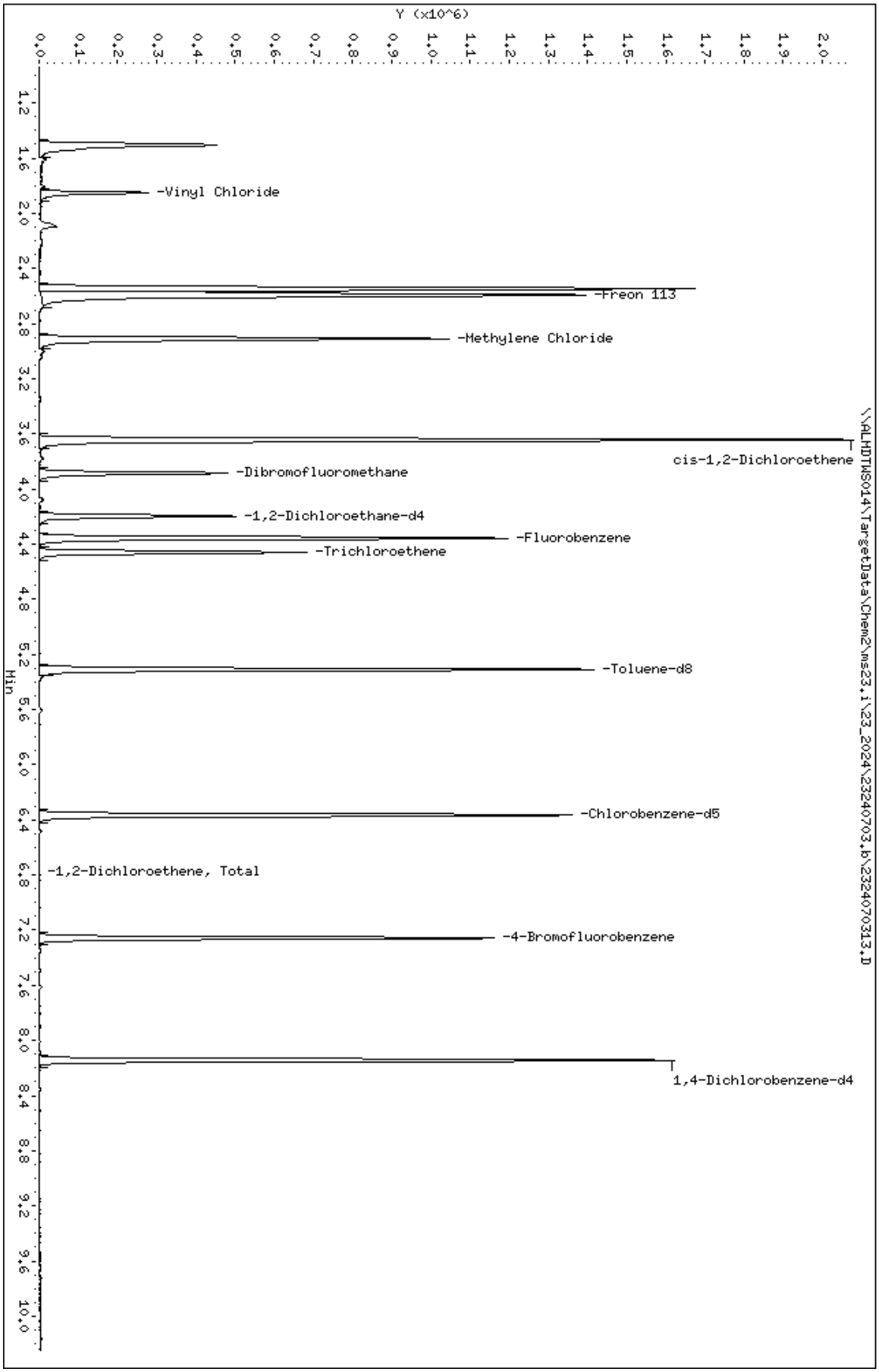
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.644	3.641	(0.837)	916675	95.2637	9526.37	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				916675	95.2637	9526.37	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.887	3.884	(0.892)	217647	27.5033	2750.33	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	314161	28.1749	2817.49	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	805308	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.457	4.457	(1.023)	173649	21.9460	2194.60	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	761369	27.4844	2748.44	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070313.D Page 3
Report Date: 09-Jul-2024 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.365	6.362	(1.000)	354895	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.254	7.257	(0.891)	281930	26.7880	2678.80	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	380417	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.



Data File: \\ALMDTMS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070313.D
Date : 03-JUL-2024 14:09
Client ID: ICT14D_062024
Sample Info: 336602602l;;1;;;;;100
Purge Volume: 5.0
Column phase: DB-VRX
Instrument: ms23.i
Operator: THP
Column diameter: 0.25
Page 1

Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070313.D Page 2

Date : 03-JUL-2024 14:09

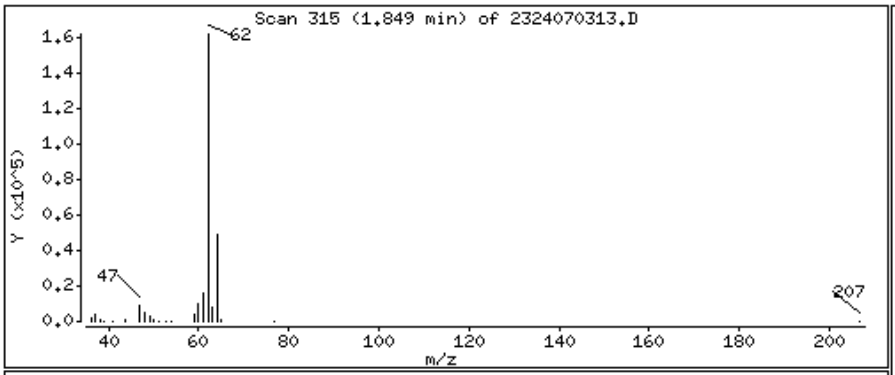
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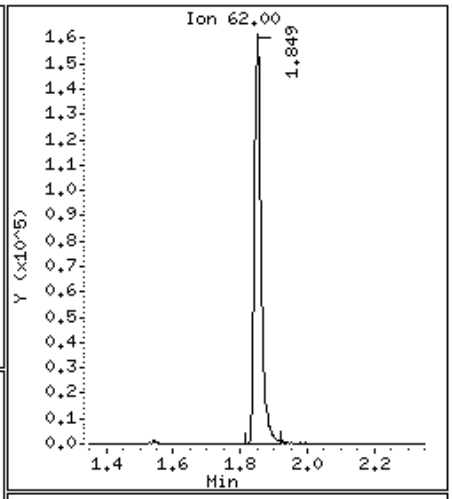
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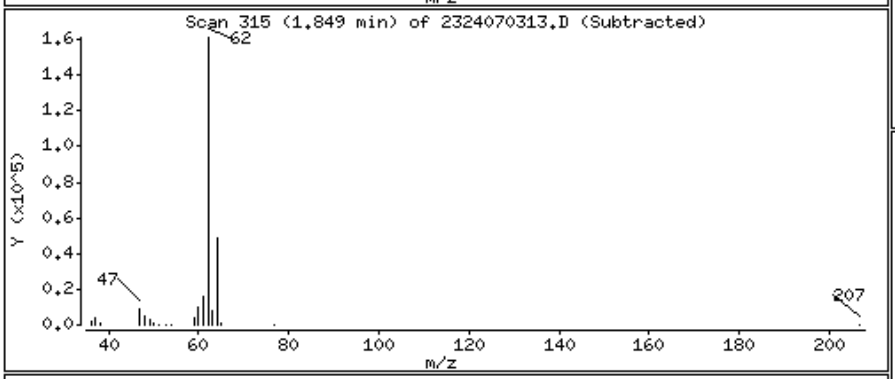
Purge Volume: 5.0 Operator: TMP

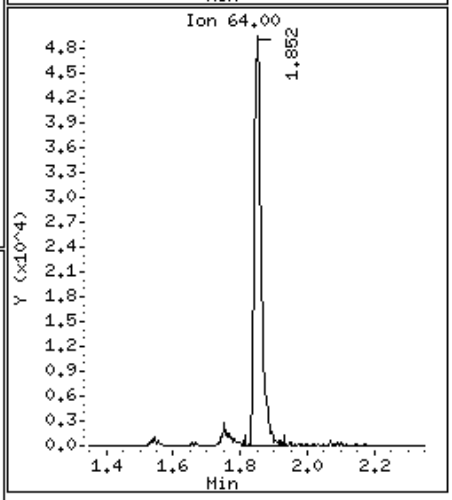
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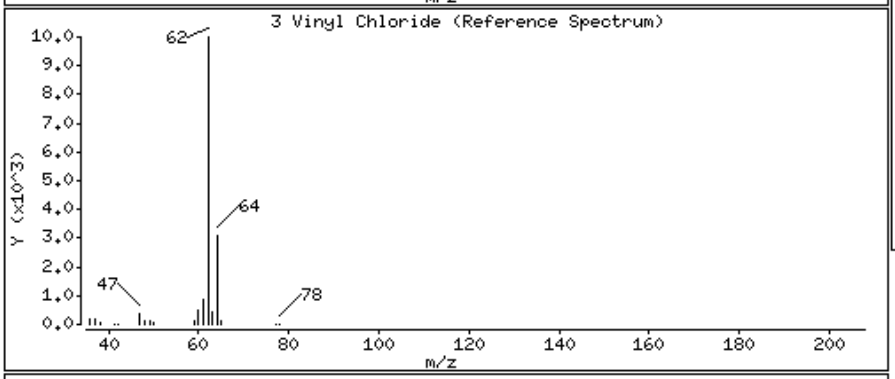
3 Vinyl Chloride Concentration: 3059.83 ug/L

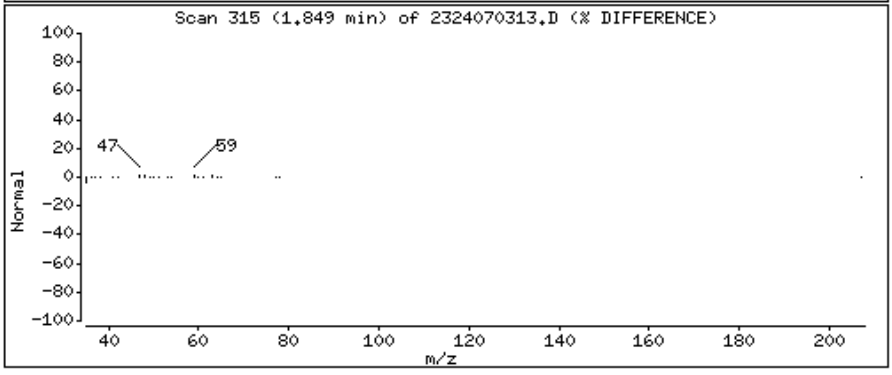












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070313.D Page 3

Date : 03-JUL-2024 14:09

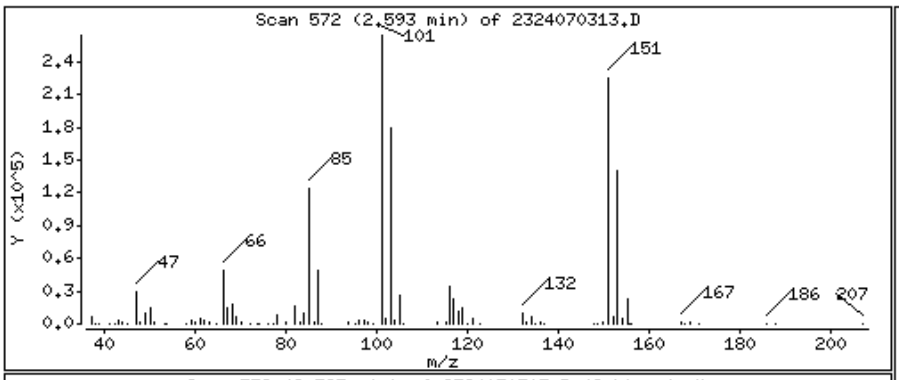
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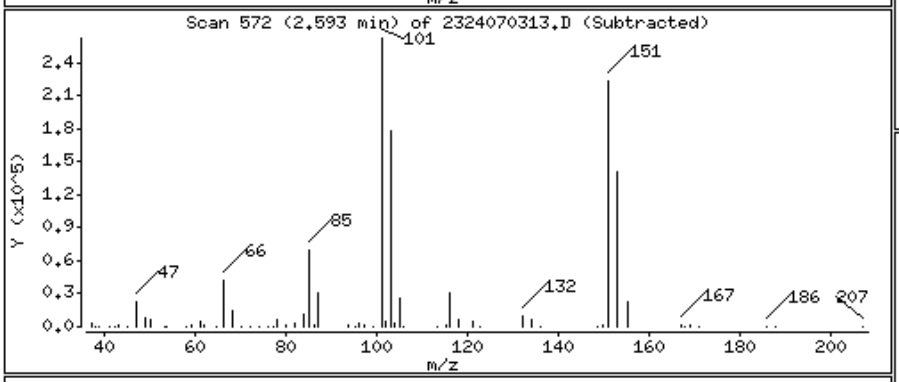
Sample Info: 3366026021;;1;;;;;100

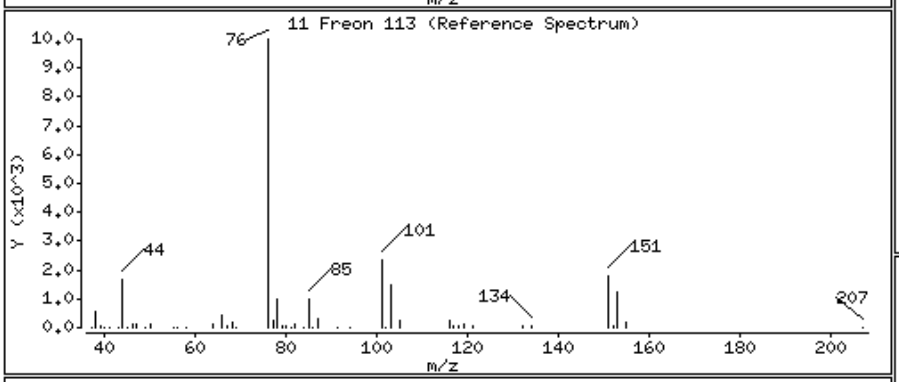
Purge Volume: 5.0 Operator: TMP

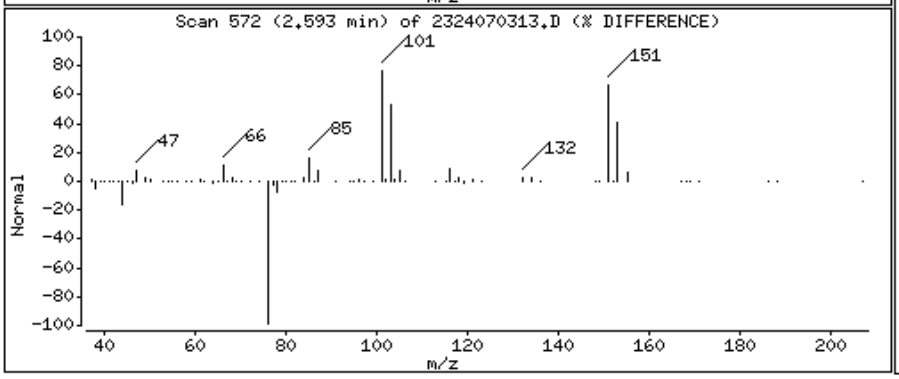
Column phase: DB-VRX Column diameter: 0.25

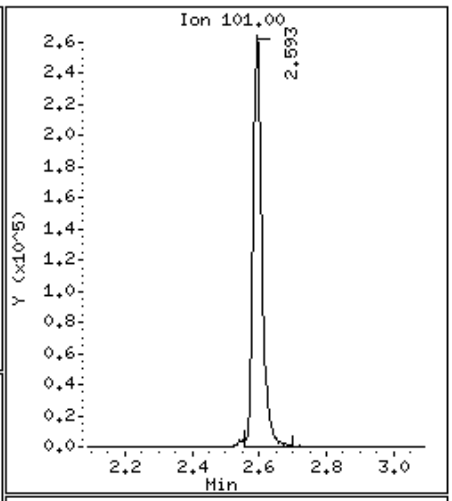
11 Freon 113 Concentration: 7558.97 ug/L

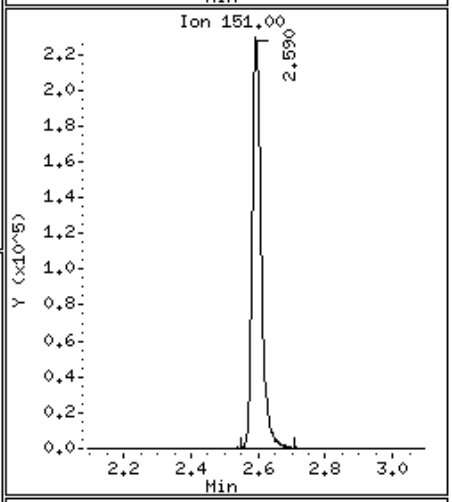


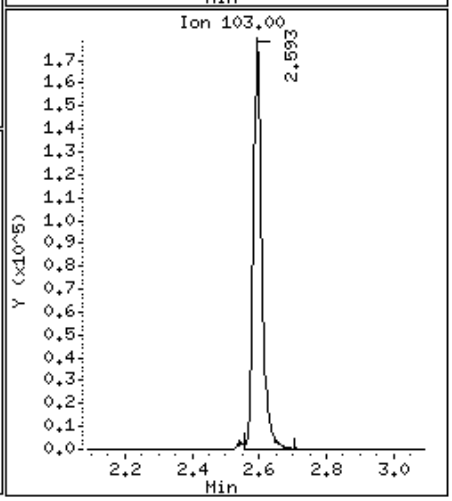












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070313.D Page 4

Date : 03-JUL-2024 14:09

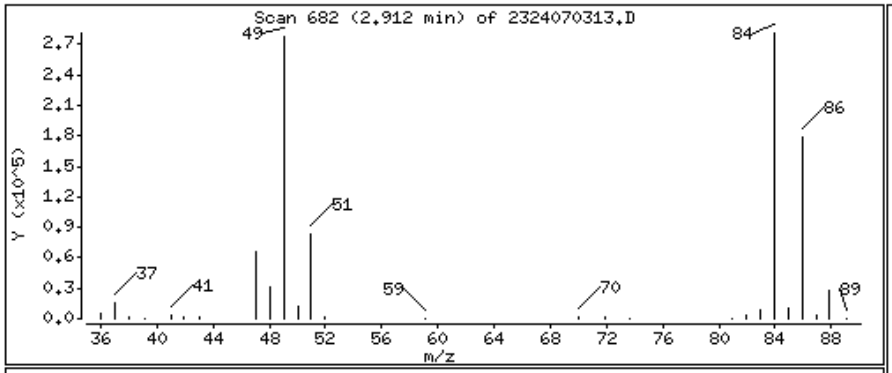
Client ID: ICT14D_062024 Instrument: ms23.i

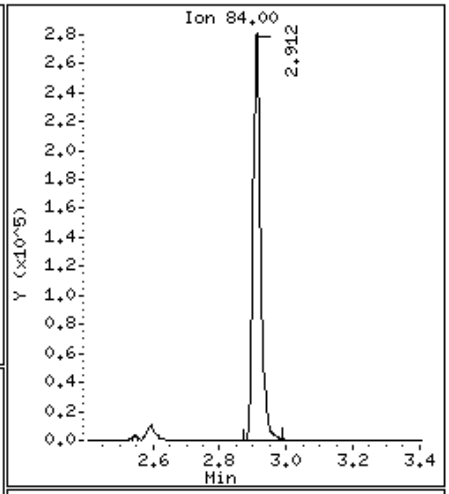
Sample Info: 3366026021;;1;;;;;100

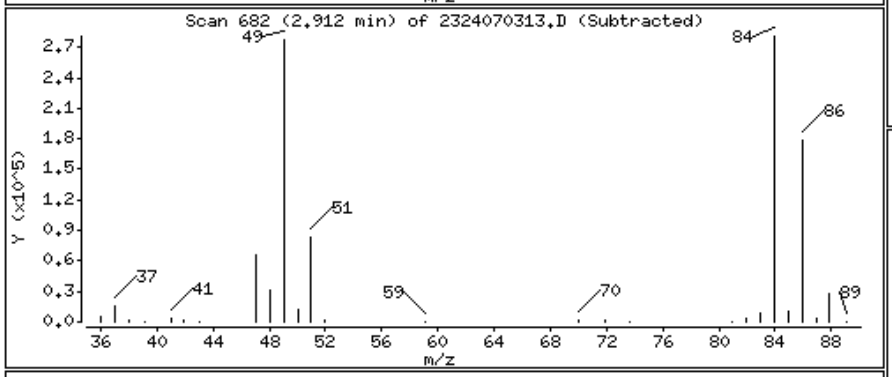
Purge Volume: 5.0 Operator: TMP

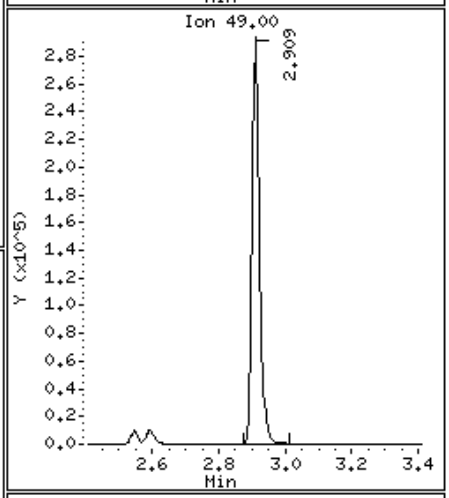
Column phase: DB-VRX Column diameter: 0.25

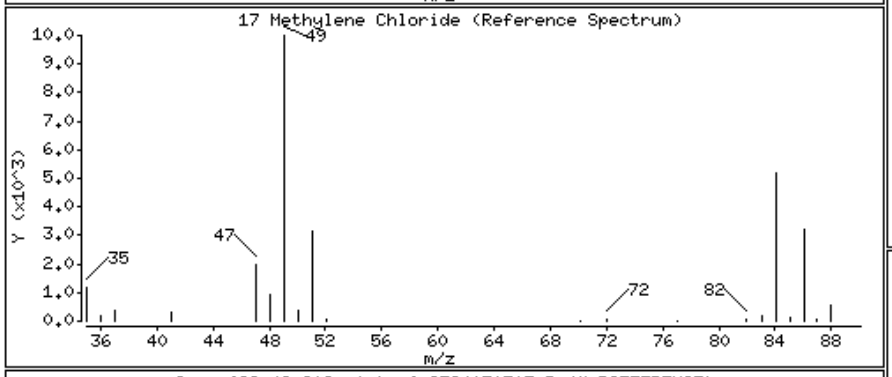
17 Methylene Chloride Concentration: 6002.36 ug/L

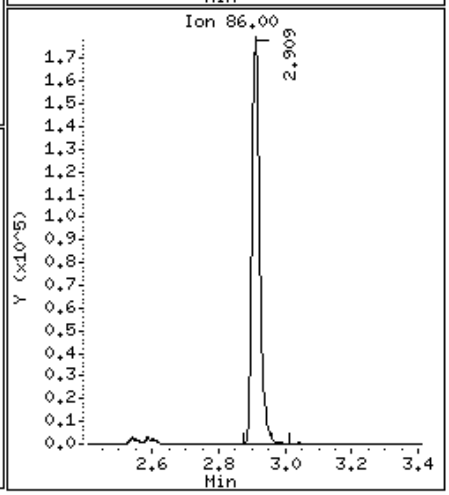


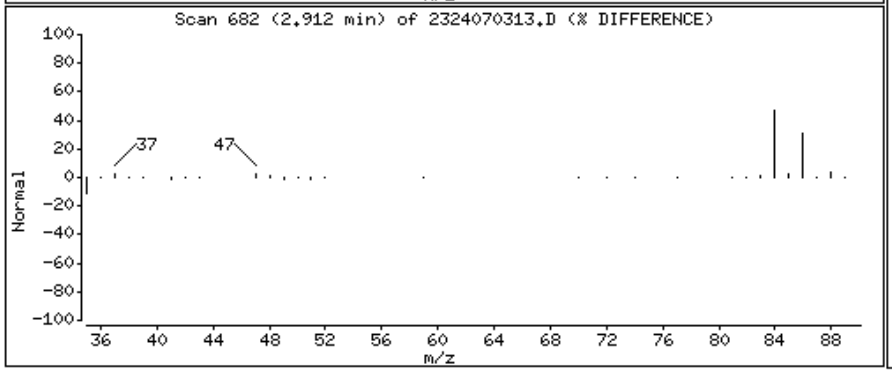












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070313.D Page 5

Date : 03-JUL-2024 14:09

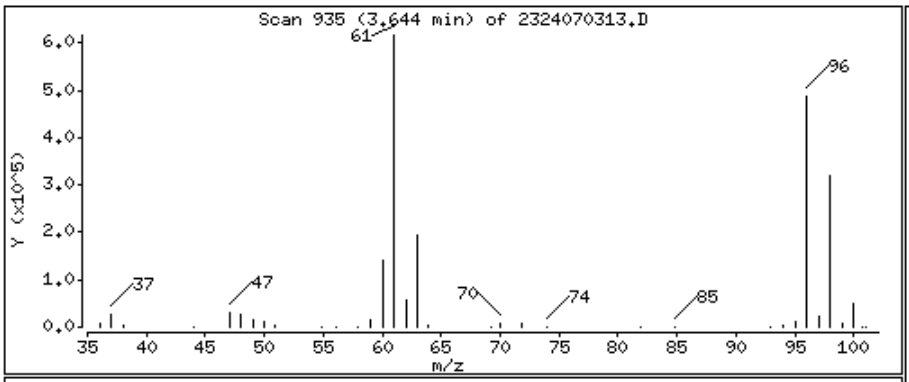
Client ID: ICT14D_062024 Instrument: ms23.i

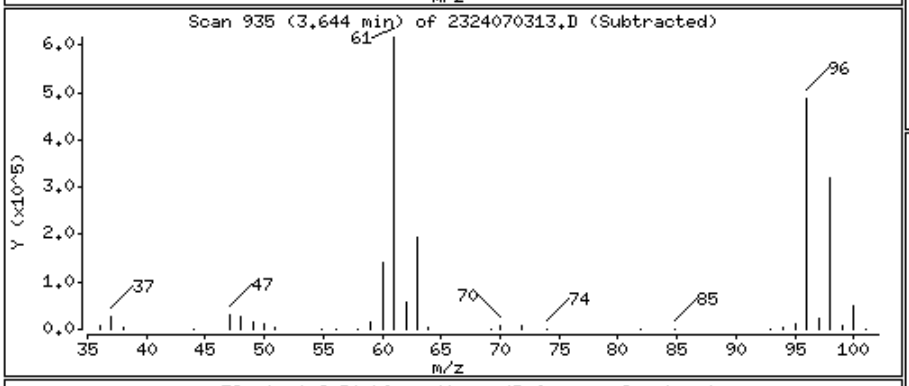
Sample Info: 3366026021;;1;;;;;100

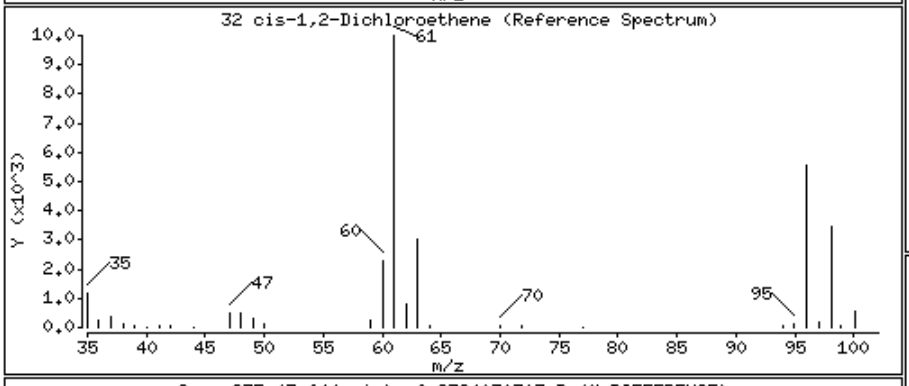
Purge Volume: 5.0 Operator: TMP

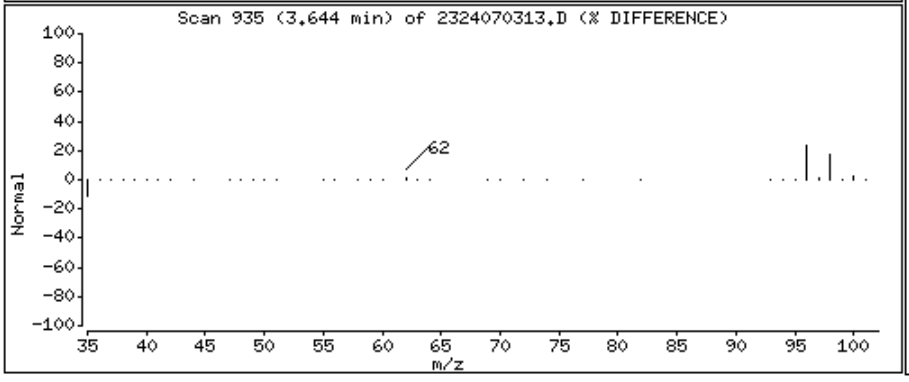
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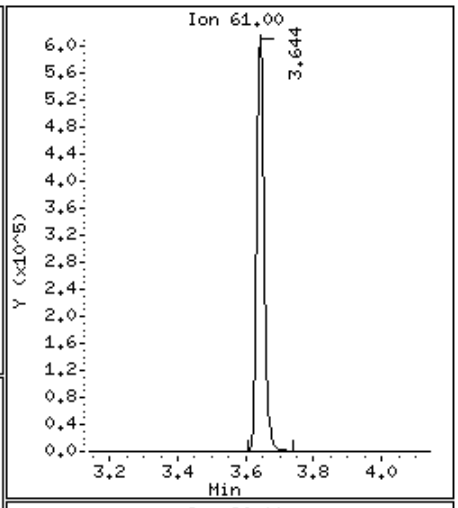
32 cis-1,2-Dichloroethene Concentration: 9526.37 ug/L

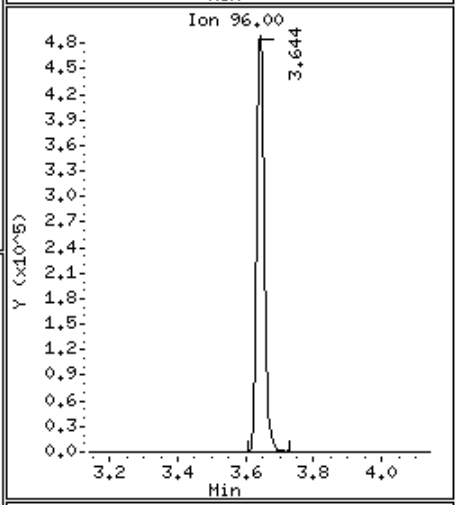


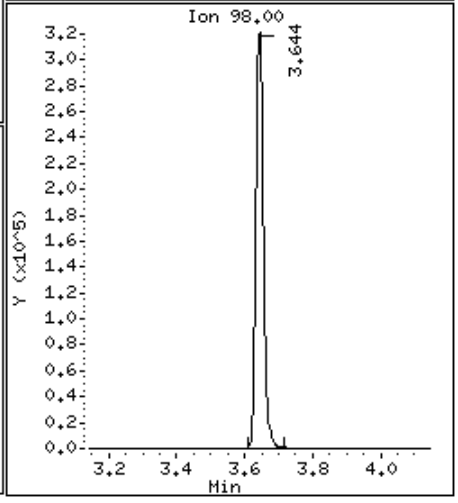












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070313.D Page 6

Date : 03-JUL-2024 14:09

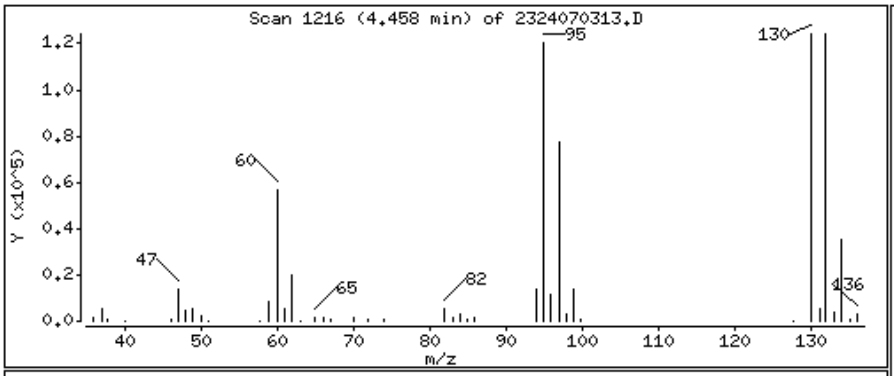
Client ID: ICT14D_062024 Instrument: ms23.i

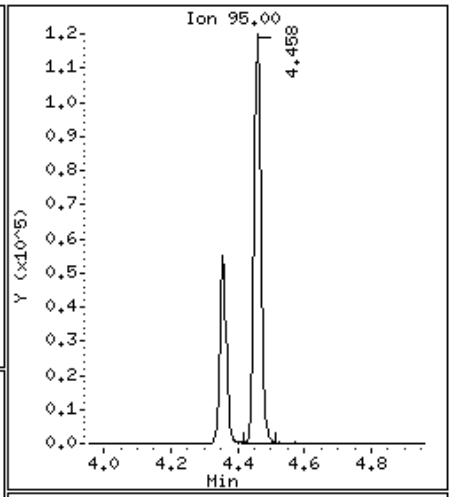
Sample Info: 3366026021;;1;;;;;100

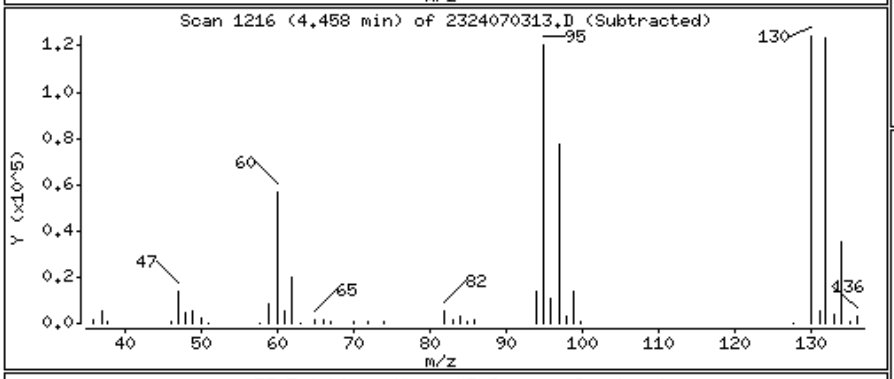
Purge Volume: 5.0 Operator: TMP

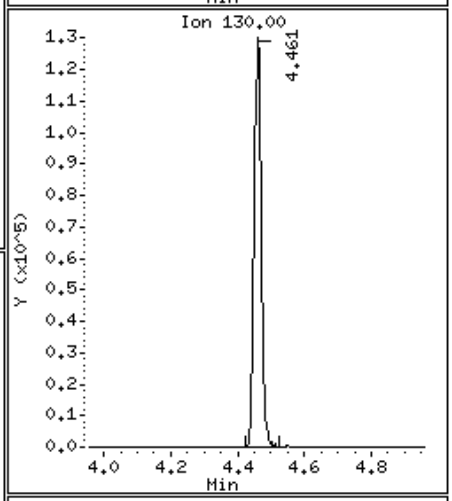
Column phase: DB-VRX Column diameter: 0.25

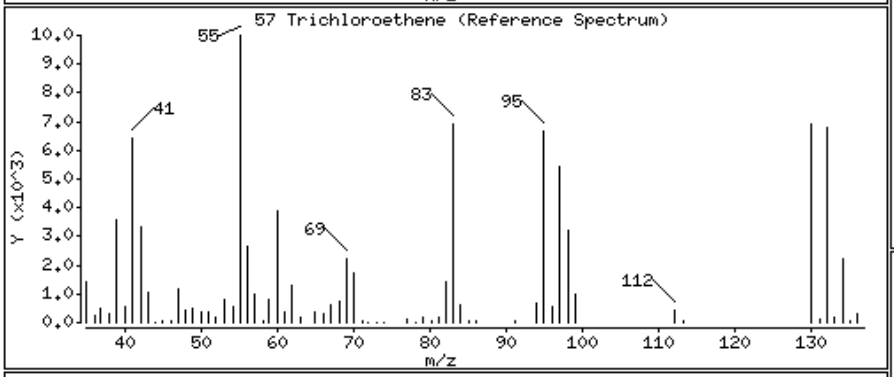
57 Trichloroethene Concentration: 2194.60 ug/L

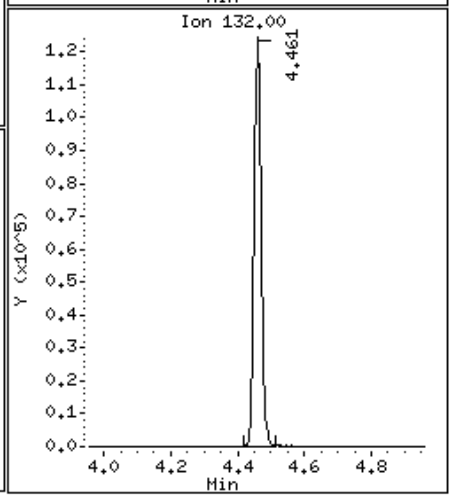


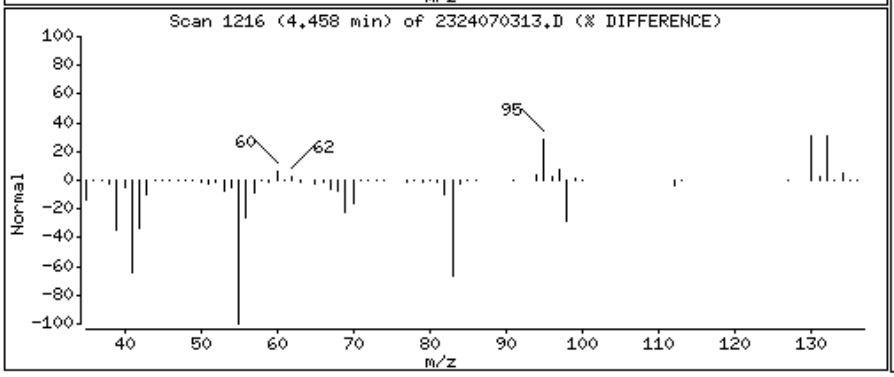












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Inj Date : 03-JUL-2024 14:09
InstruID : ms23.i
LabSampID : 3366026021

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:36
Client ID: ICT14D_062024
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407031
Inj Date: 03-JUL-2024 14:09
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
1-Chlorohexane
1,1-Dichloroethene
Dichlorofluoromethane
Isopropyl Alcohol
Pentane
Trichlorofluoromethane
2-Butanone
1,2-Dichloroethane
trans-1,2-Dichloroethene
1,3-Dichloropropane
Methacrylonitrile
1,1,1-Trichloroethane

Data File: 2324070314.D Page 1
Report Date: 09-Jul-2024 13:36

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070314.D
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Inj Date : 03-JUL-2024 14:29
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026009;;1;;;;;500
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 14
Dil Factor: 500.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	500.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	1.852	1.849	(0.425)	6448	0.94497	472.484(a)	
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	2.584	2.578	(0.593)	3040	0.33066	165.331(a)	
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.596	2.590	(0.596)	57273	9.56179	4780.90	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	2.911	2.905	(0.668)	24009	3.46509	1732.54	
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070314.D Page 2
Report Date: 09-Jul-2024 13:36

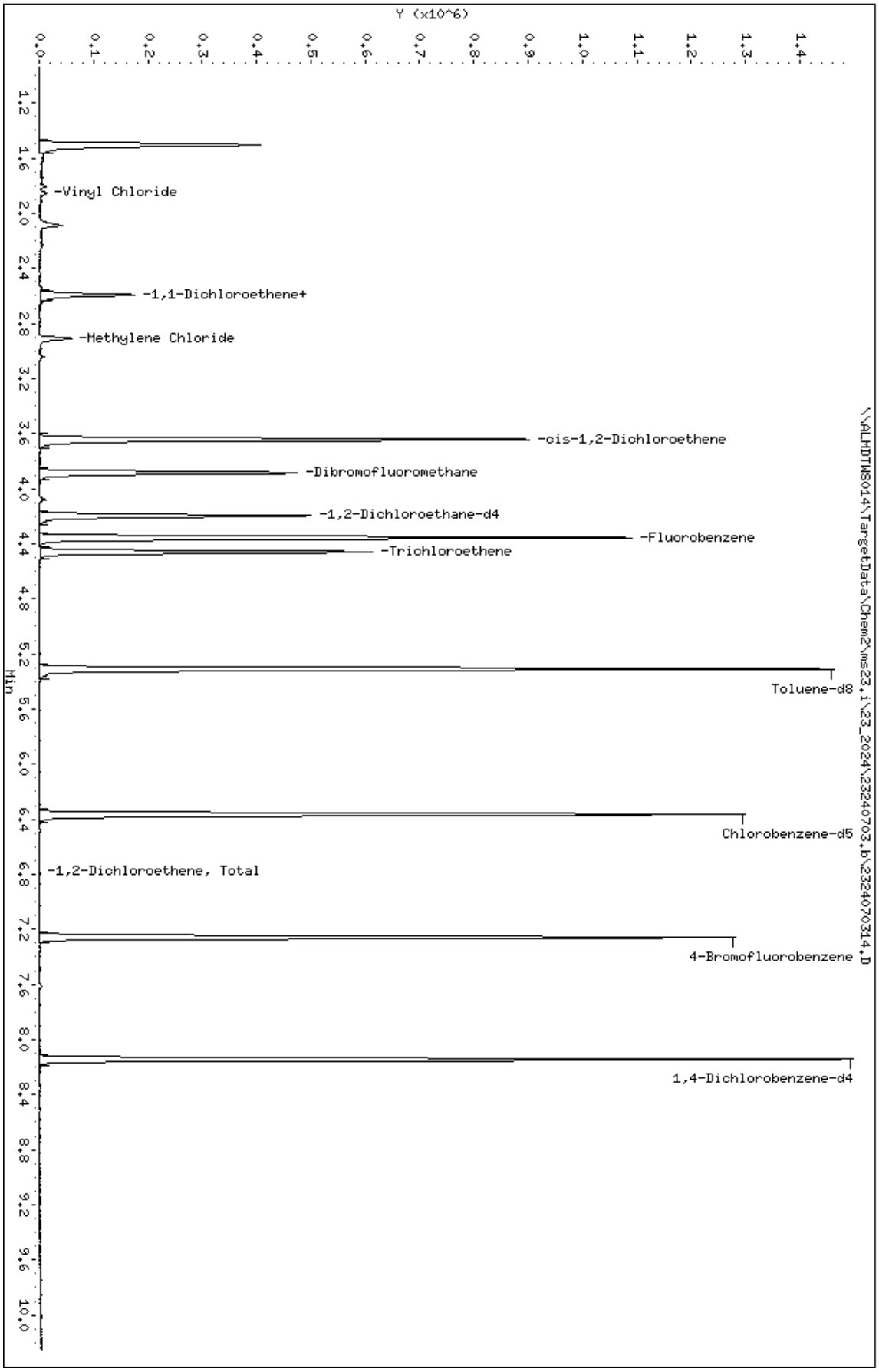
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.644	3.641	(0.837)	394760	43.7666	21883.3	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				394760	43.7666	21883.3	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.887	3.884	(0.892)	218745	29.4896	14744.8	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	311965	29.8479	14923.9	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	754856	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.460	4.457	(1.024)	150710	20.3200	10160.0	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	803559	30.0894	15044.7	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070314.D Page 3
Report Date: 09-Jul-2024 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.365	6.362	(1.000)	342133	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.260	7.257	(0.892)	304769	31.2639	15632.0	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	352359	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.



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Sample Info: 336602600911;;;;;500
Purge Volume: 5.0
Column phase: DB-VRX

Instrument: ms23.i
Operator: THP
Column diameter: 0.25

Page 1

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Date : 03-JUL-2024 14:29

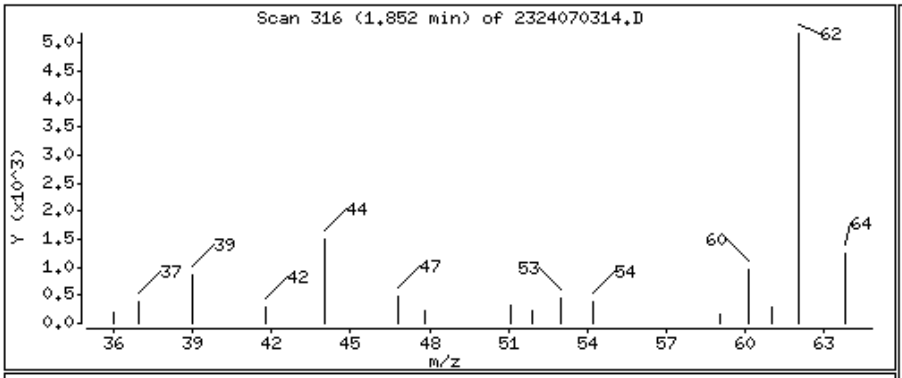
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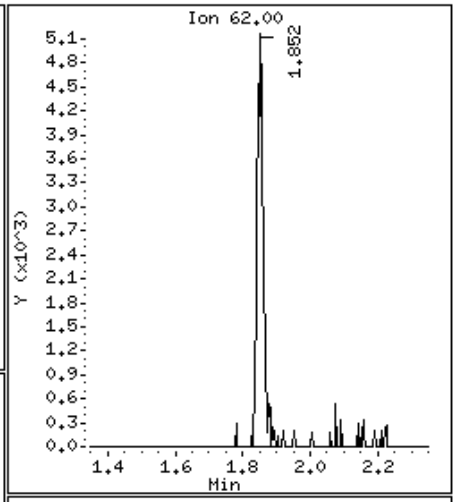
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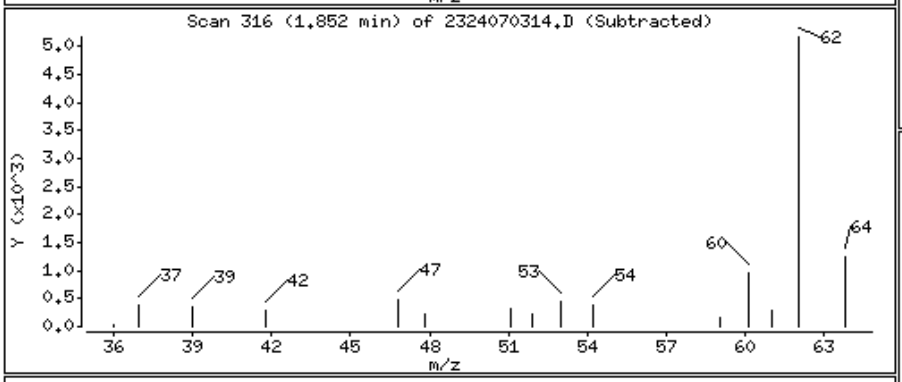
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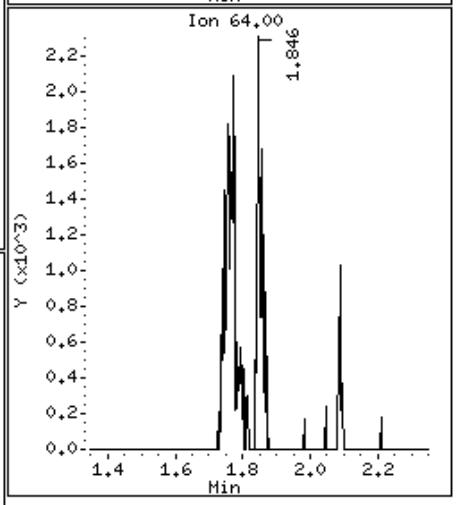
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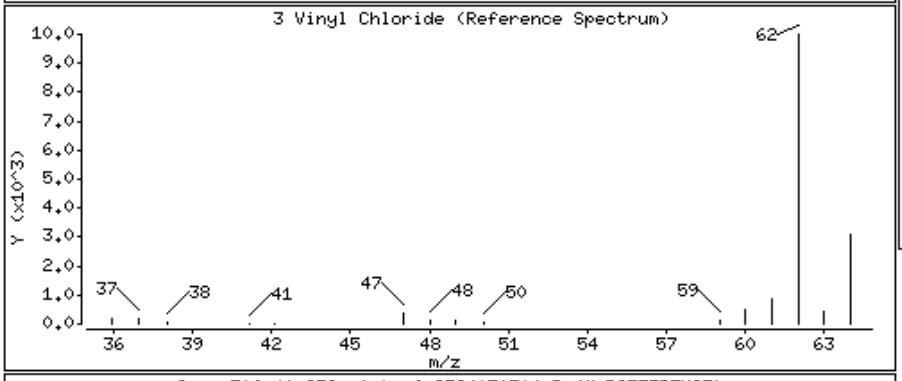
3 Vinyl Chloride Concentration: 472.484 ug/L

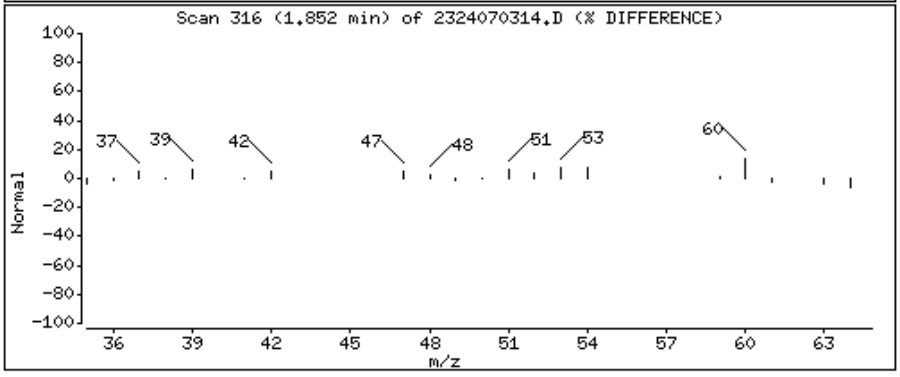












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Date : 03-JUL-2024 14:29

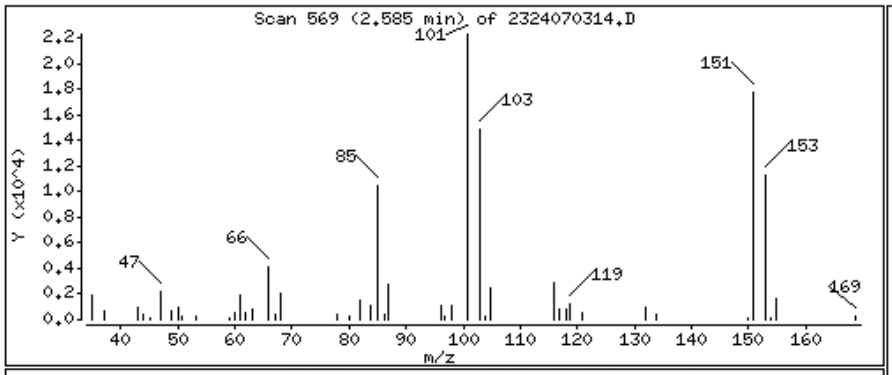
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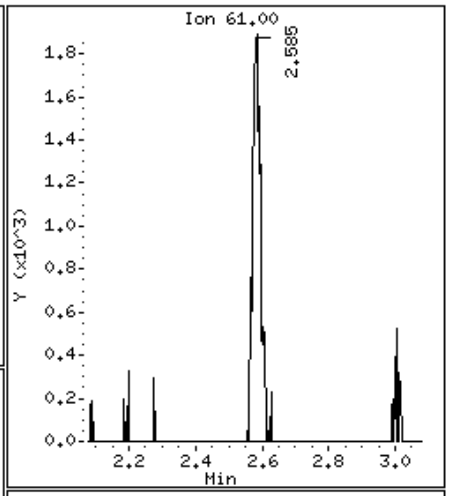
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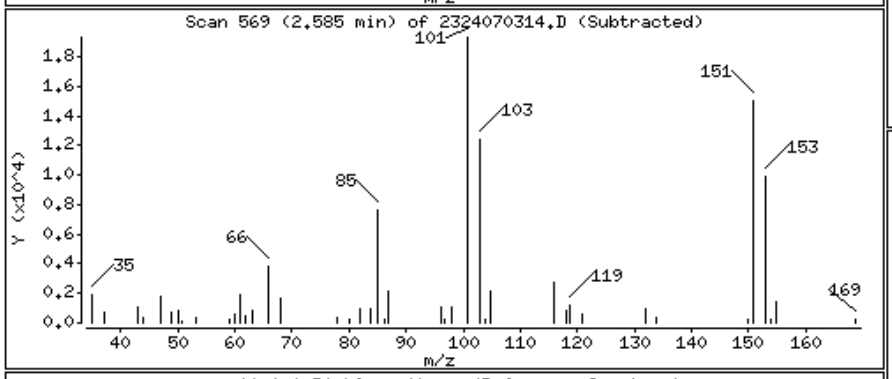
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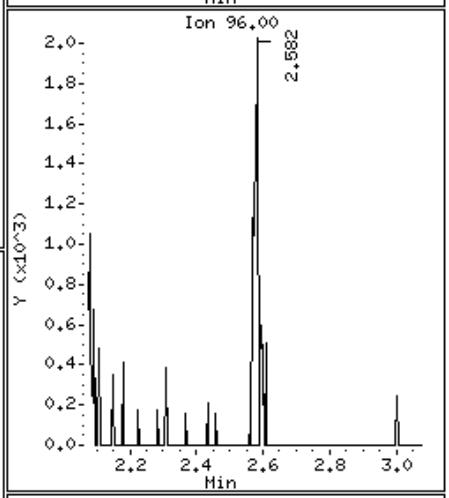
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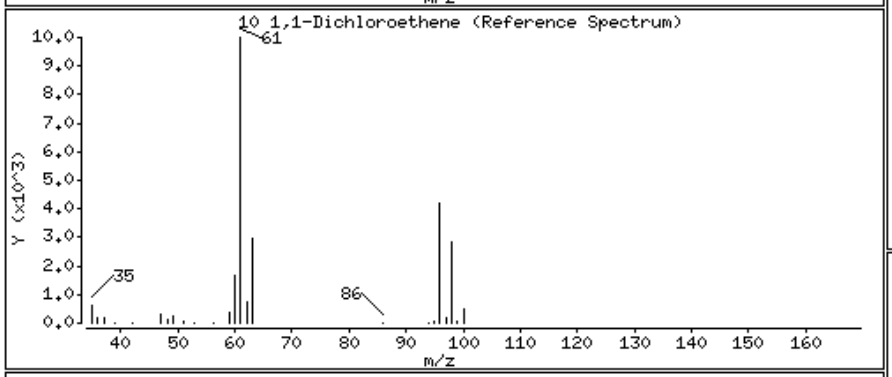
10 1,1-Dichloroethene Concentration: 165.331 ug/L

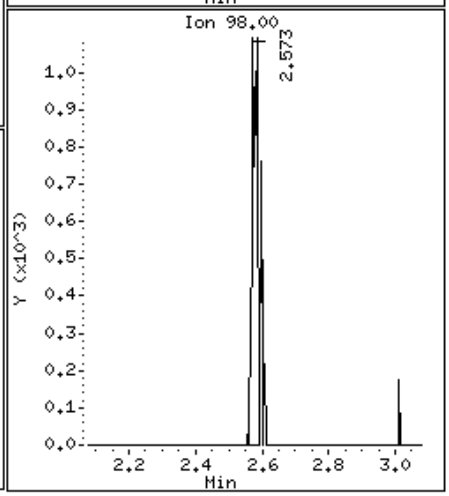


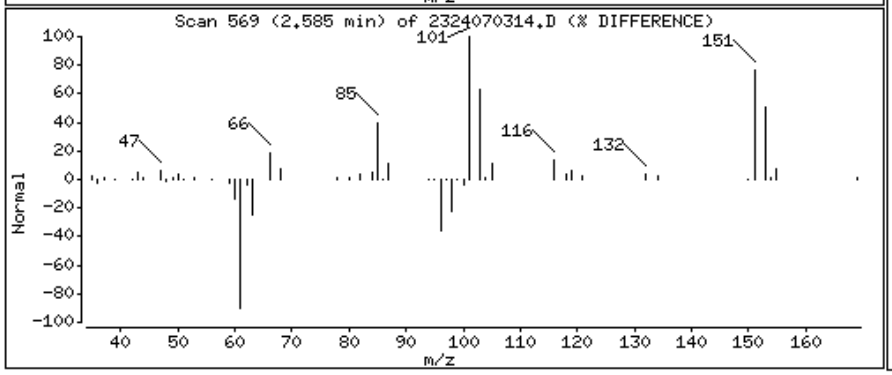












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Date : 03-JUL-2024 14:29

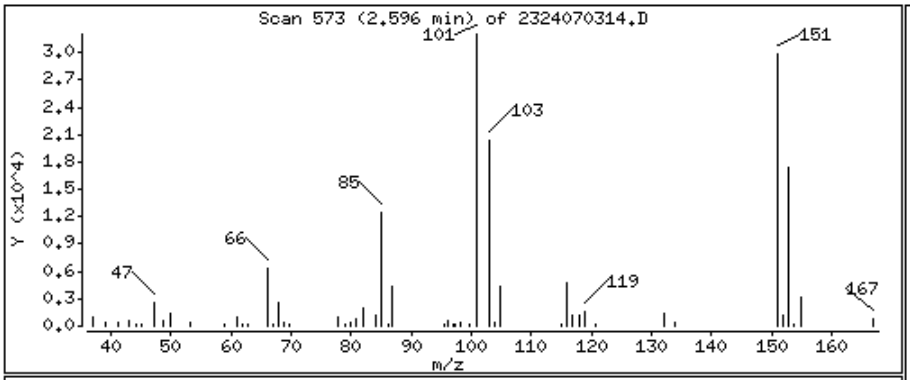
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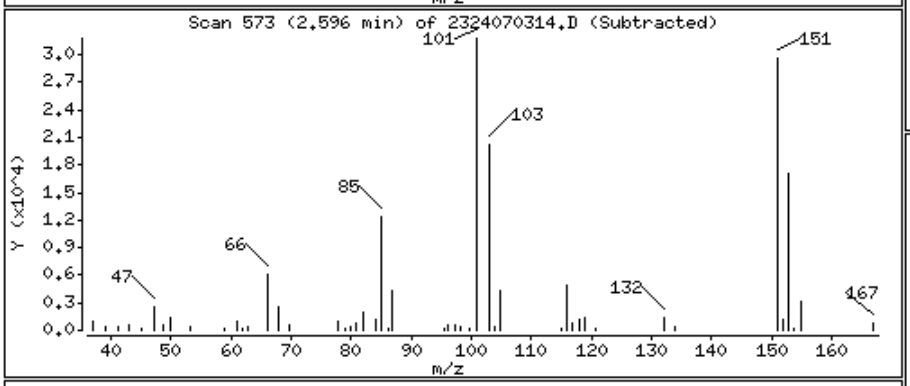
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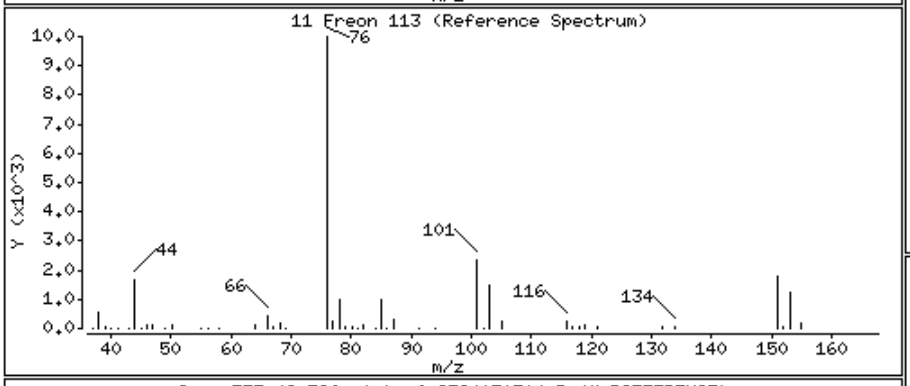
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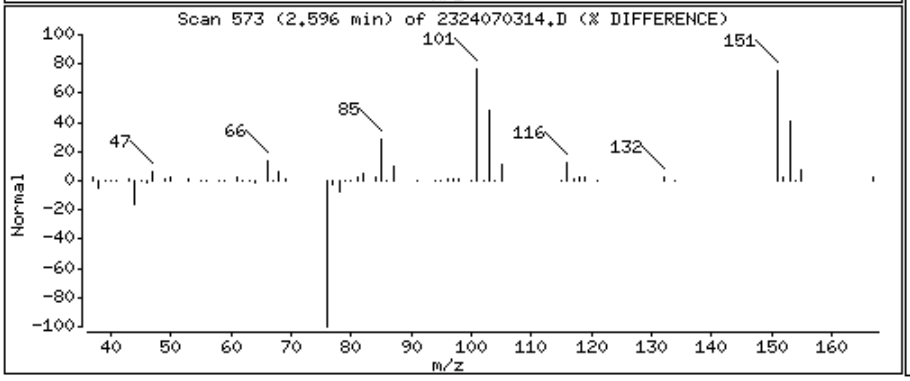
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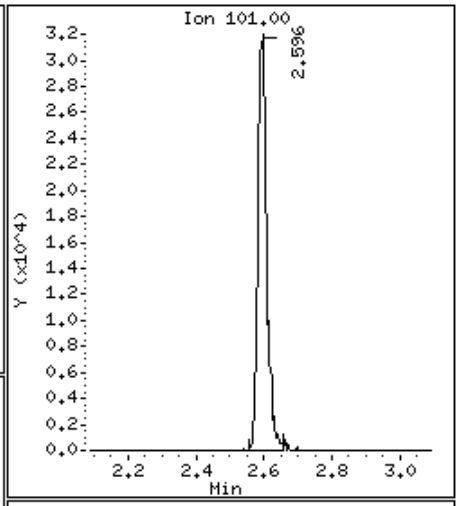
11 Freon 113 Concentration: 4780.90 ug/L

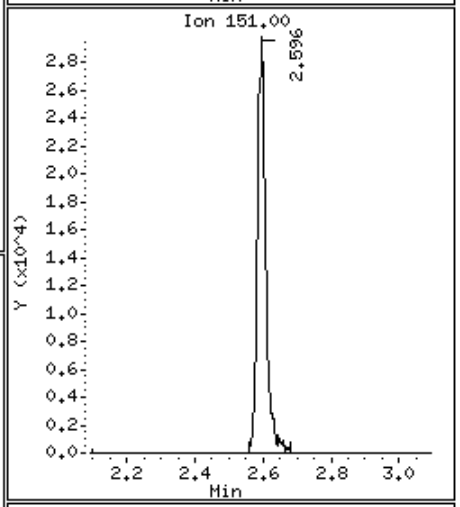


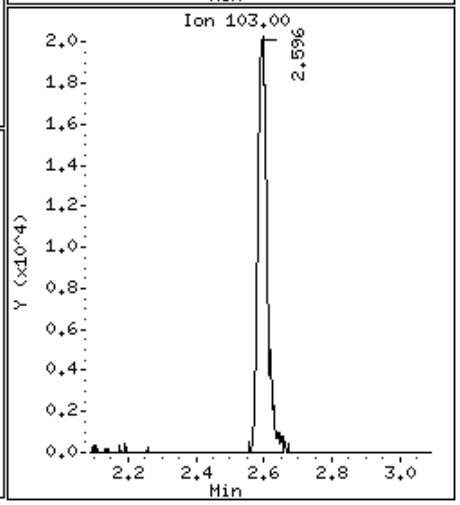












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Date : 03-JUL-2024 14:29

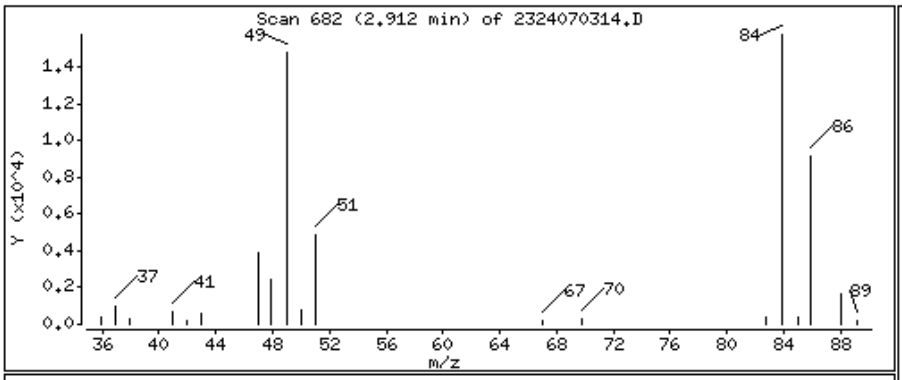
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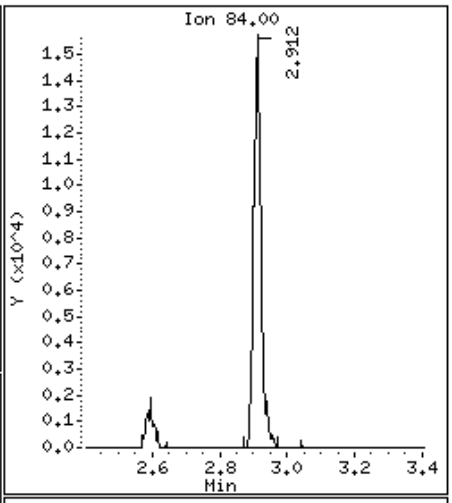
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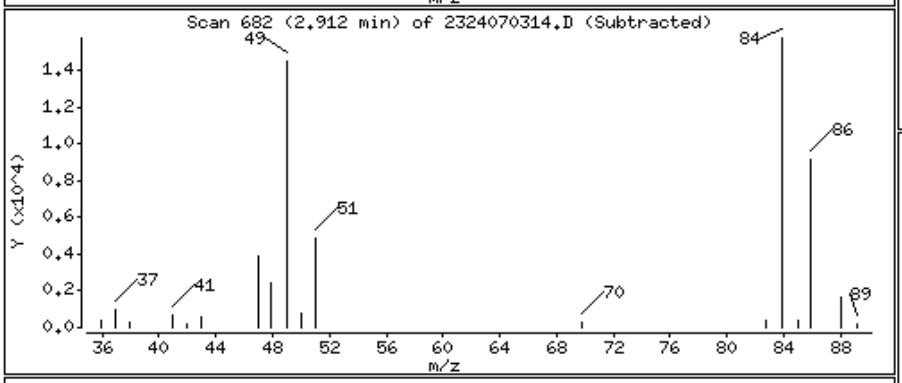
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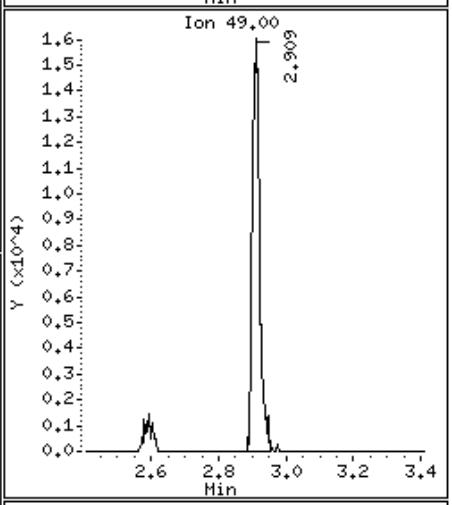
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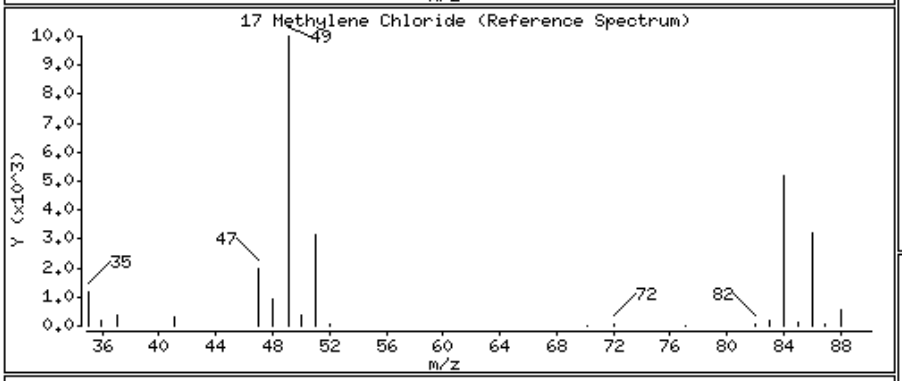
17 Methylene Chloride Concentration: 1732.54 ug/L

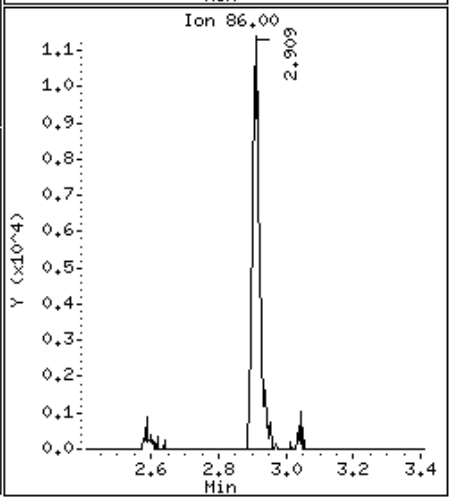


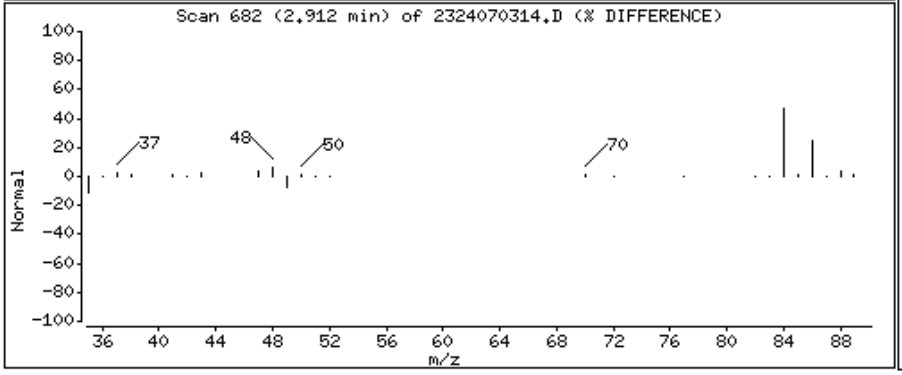












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Date : 03-JUL-2024 14:29

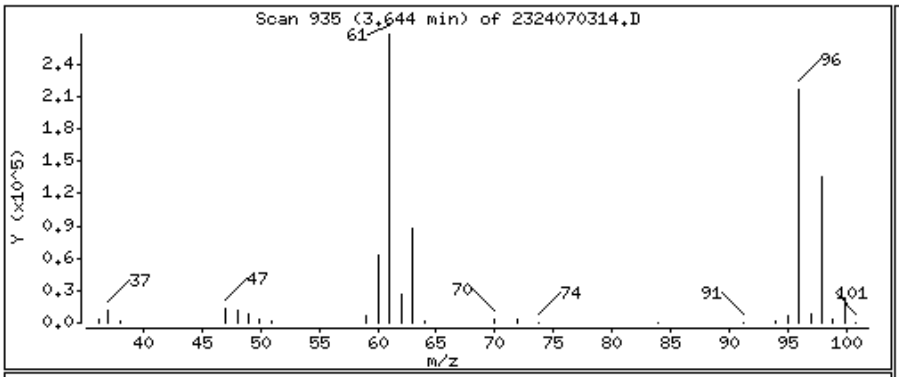
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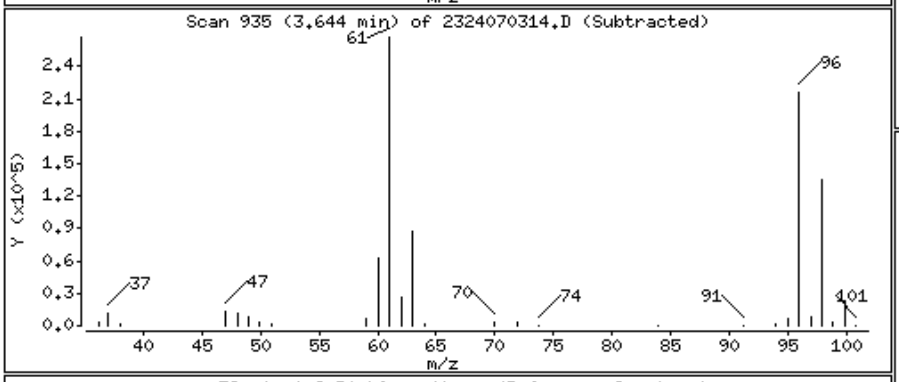
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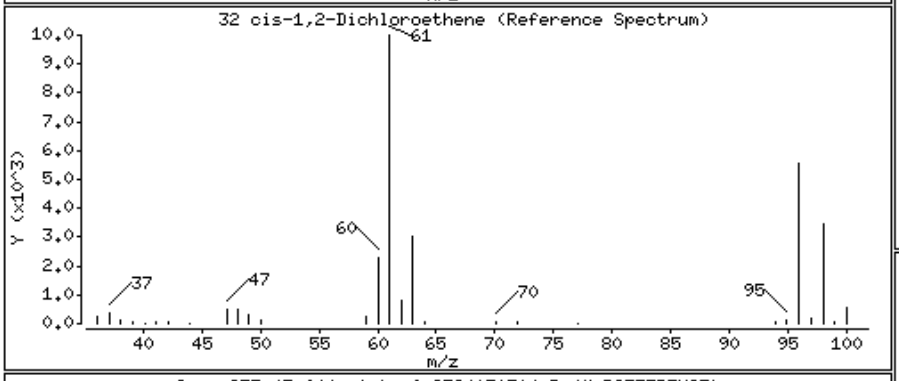
Purge Volume: 5.0 Operator: TMP

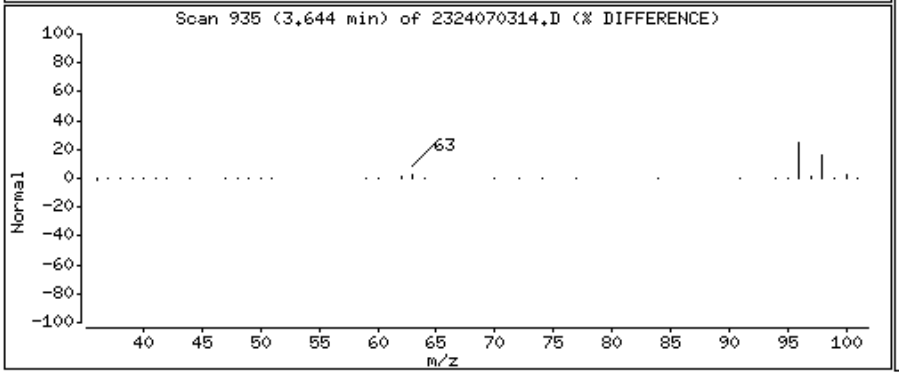
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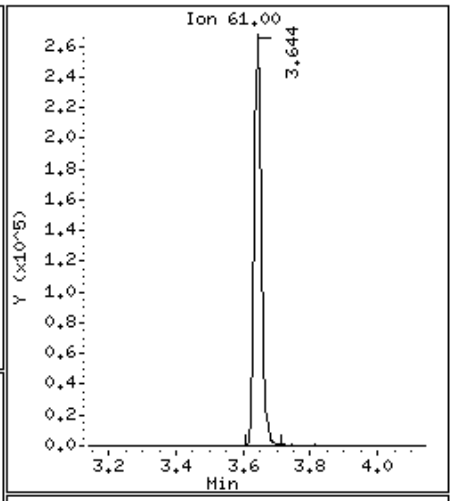
32 cis-1,2-Dichloroethene Concentration: 21883.3 ug/L

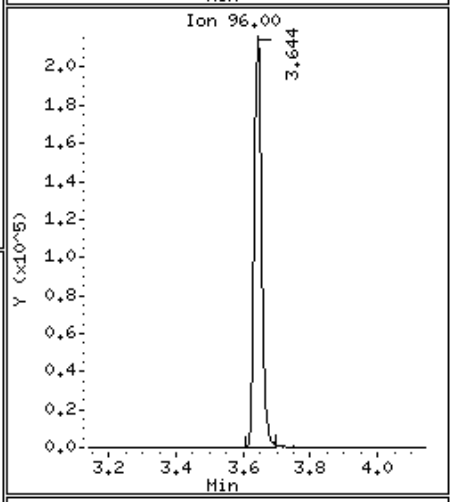


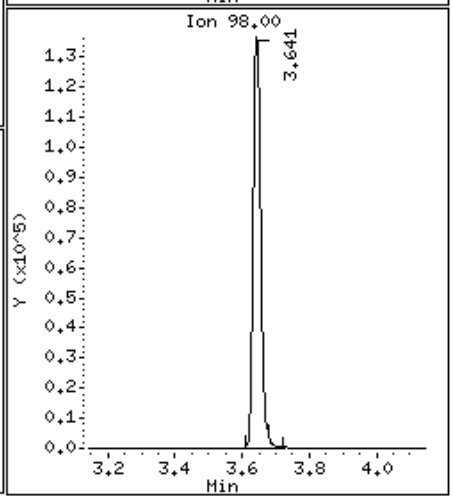












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Date : 03-JUL-2024 14:29

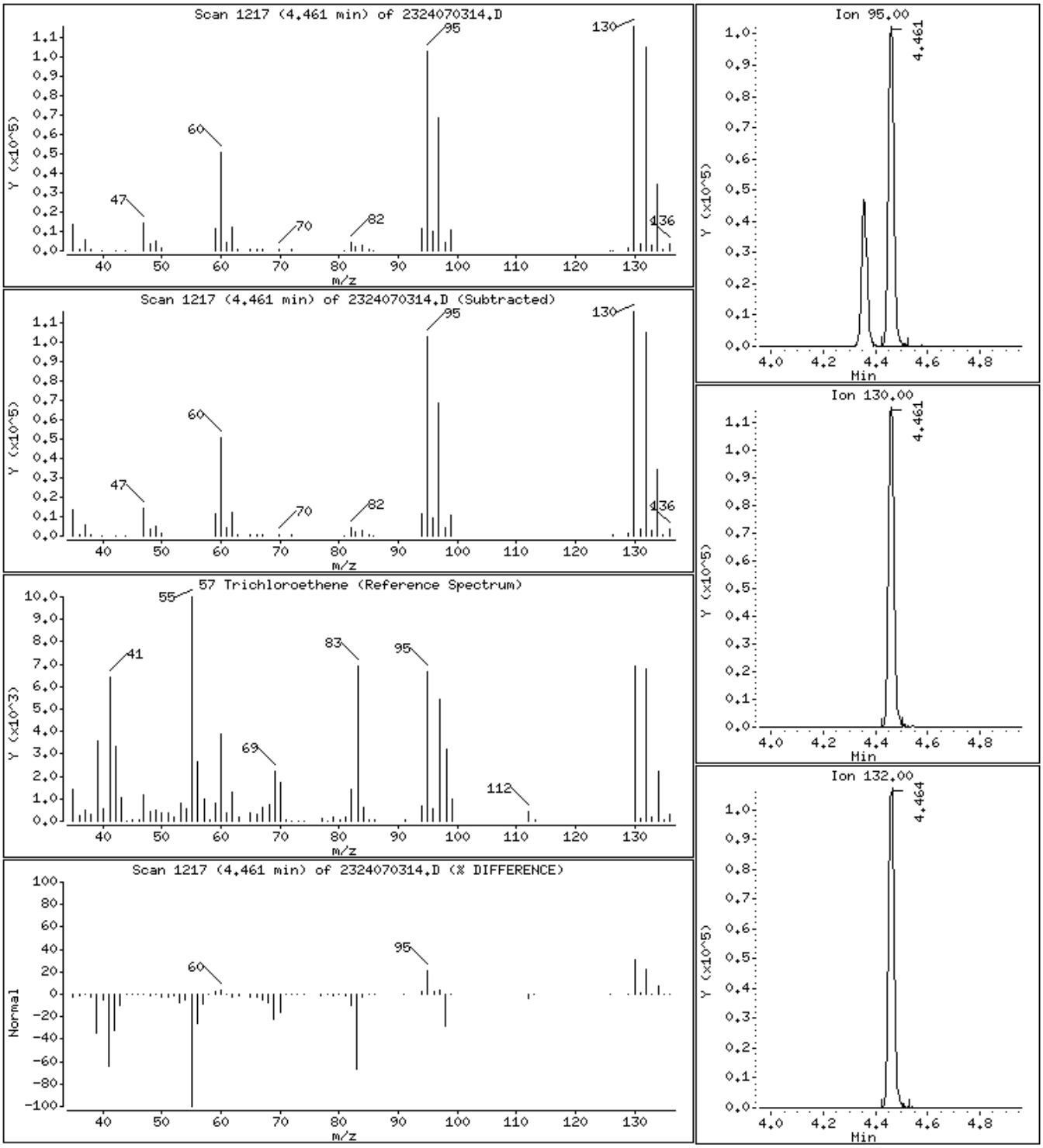
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Sample Info: 3366026009;;1;;;;;500

Purge Volume: 5.0 Operator: TMP

Column phase: DB-VRX Column diameter: 0.25

57 Trichloroethene Concentration: 10160.0 ug/L



Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070314.D
Inj Date : 03-JUL-2024 14:29
InstruID : ms23.i
LabSampID : 3366026009

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:36
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Inj Date: 03-JUL-2024 14:29
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
2-Butanone
1,2-Dichloroethane
1,3-Dichloropropane
Pentane
Trichlorofluoromethane
Bromodichloromethane
1-Chlorobutane
trans-1,2-Dichloroethene
Isopropyl Alcohol
1,1,1-Trichloroethane

Data File: 2324070315.D Page 1
Report Date: 09-Jul-2024 13:37

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070315.D
Lab Smp Id: 3366026010 Client Smp ID: ICT12D_062024_a
Inj Date : 03-JUL-2024 14:49
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026010;;1;;;;;500
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 15
Dil Factor: 500.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	500.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	1.852	1.849	(0.425)	5923	0.84919	424.595(a)	
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	2.587	2.578	(0.594)	2963	0.31529	157.647(a)	
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.596	2.590	(0.596)	59725	9.75477	4877.38	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	2.911	2.905	(0.668)	23026	3.25110	1625.55	
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070315.D Page 2
Report Date: 09-Jul-2024 13:37

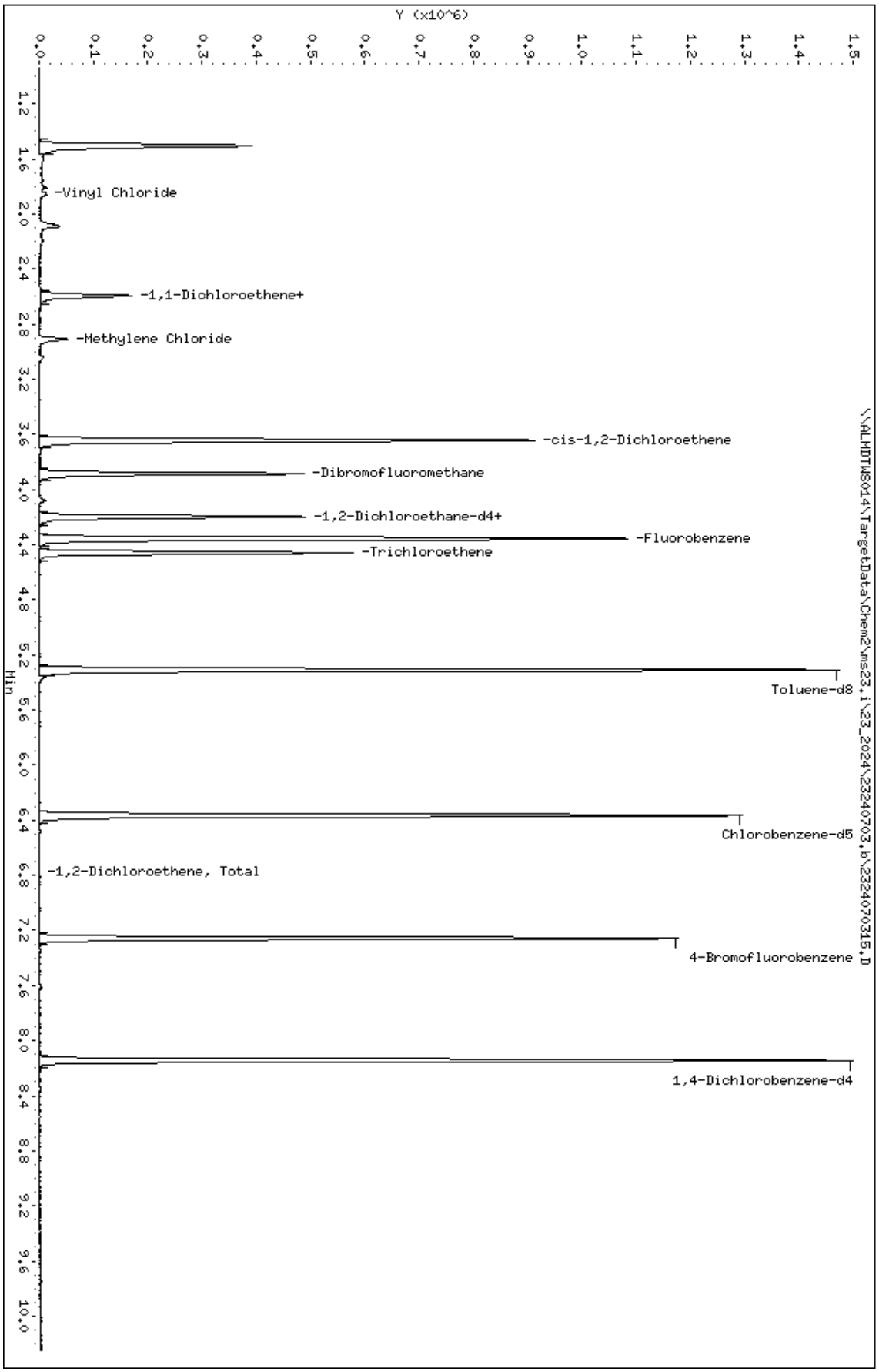
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.644	3.641	(0.837)	399766	43.3598	21679.9	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				399766	43.3598	21679.9	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	221776	29.2493	14624.7	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	313003	29.2973	14648.6	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	4.237	4.237	(0.973)	4680	0.36703	183.516(aQ)	
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	771601	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.460	4.457	(1.024)	145227	19.1558	9577.90	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	788641	30.0471	15023.6	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

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Report Date: 09-Jul-2024 13:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.365	6.362	(1.000)	336254	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	286109	29.3161	14658.1	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	352763	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.



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Instrument: ms23.i
Operator: THP
Column diameter: 0.25
Page 1

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Date : 03-JUL-2024 14:49

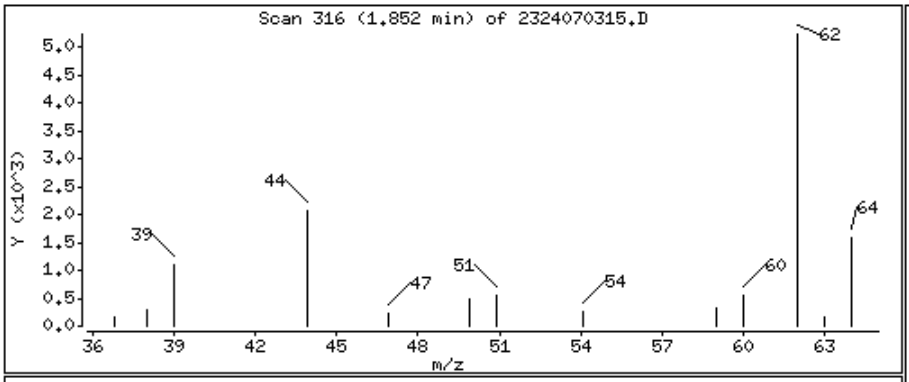
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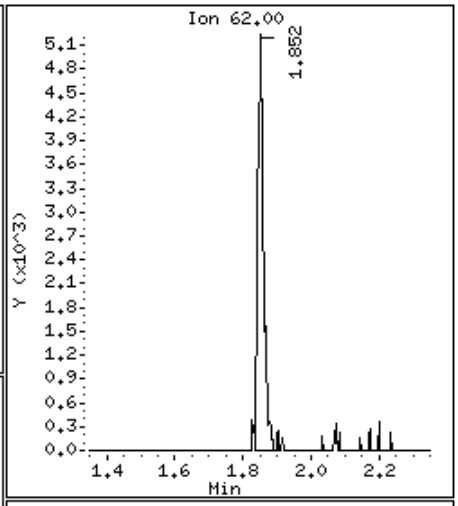
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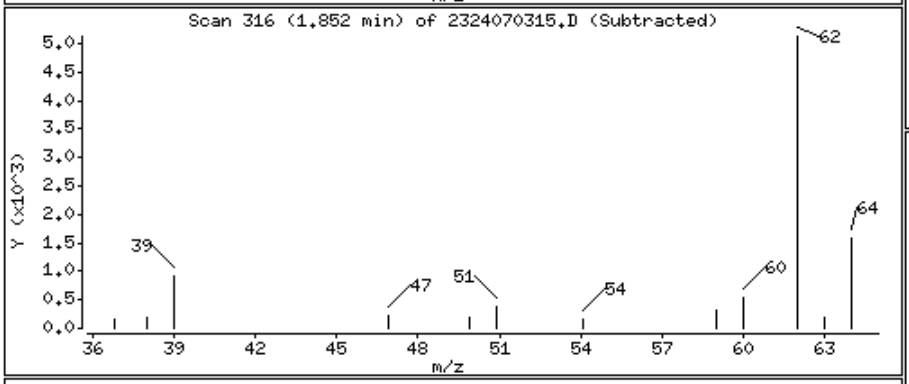
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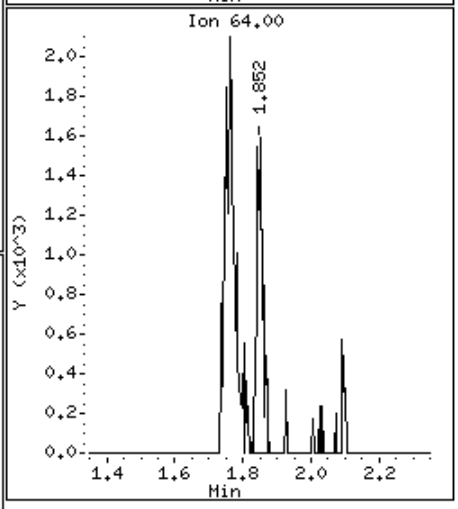
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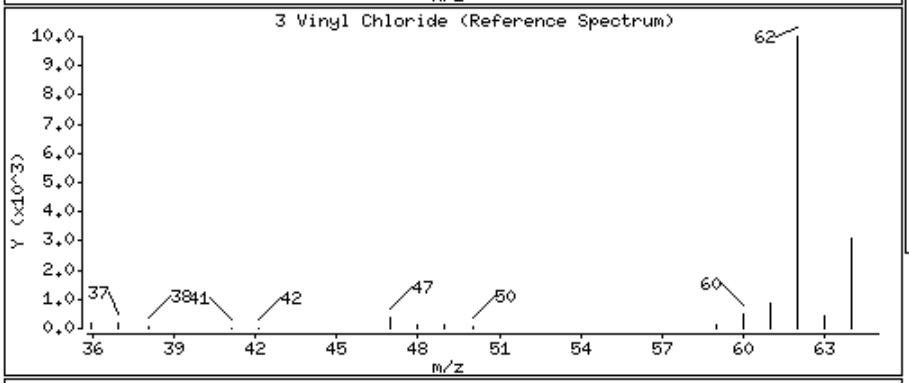
3 Vinyl Chloride Concentration: 424.595 ug/L

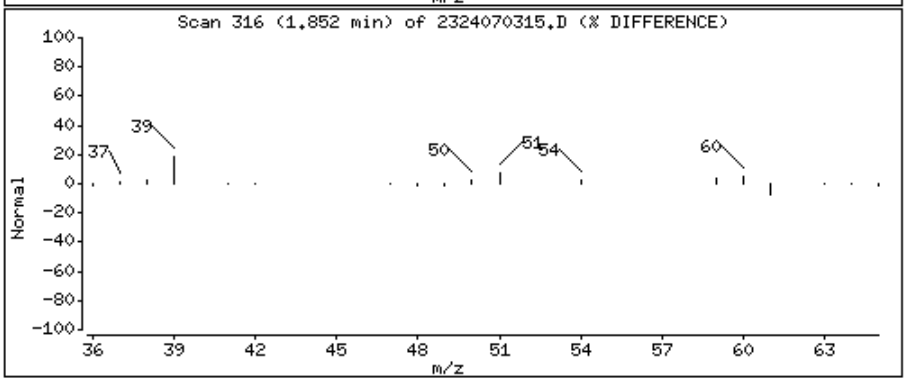












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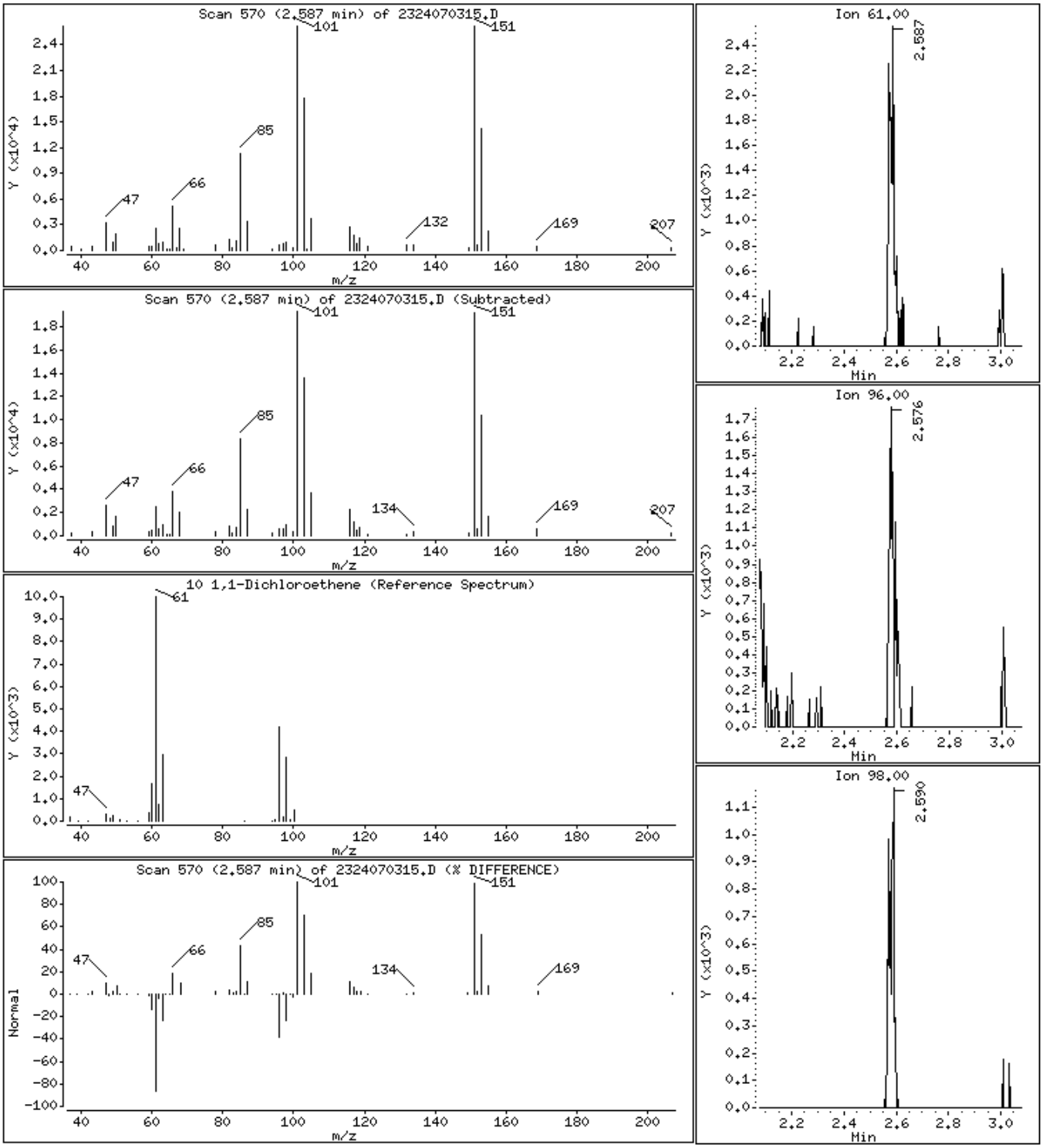
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Sample Info: 3366026010;;1;;;;;500

Purge Volume: 5.0 Operator: TMP

Column phase: DB-VRX Column diameter: 0.25

10 1,1-Dichloroethene Concentration: 157.647 ug/L



Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070315.D Page 4

Date : 03-JUL-2024 14:49

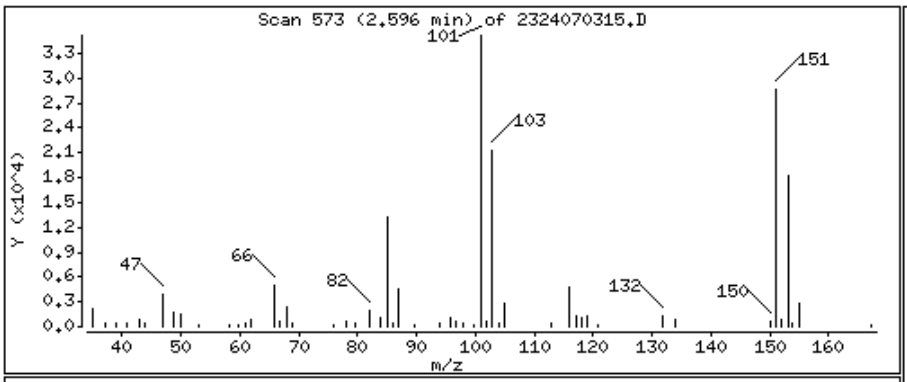
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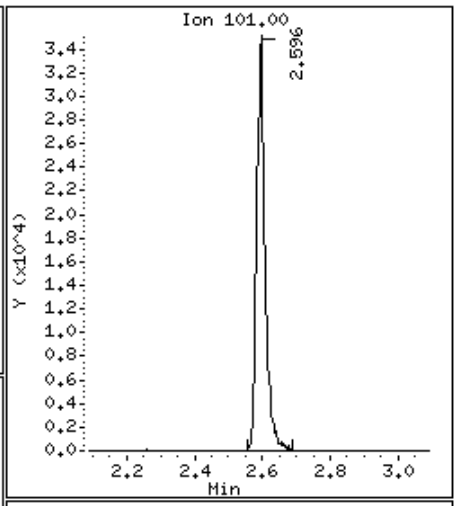
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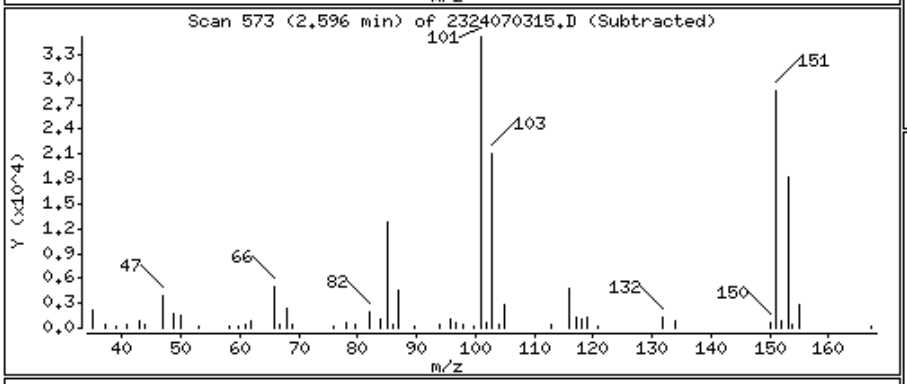
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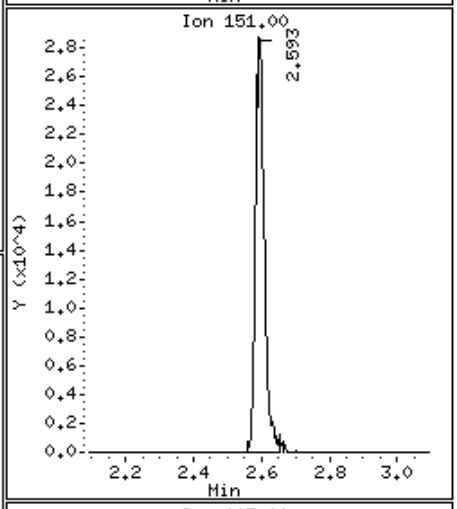
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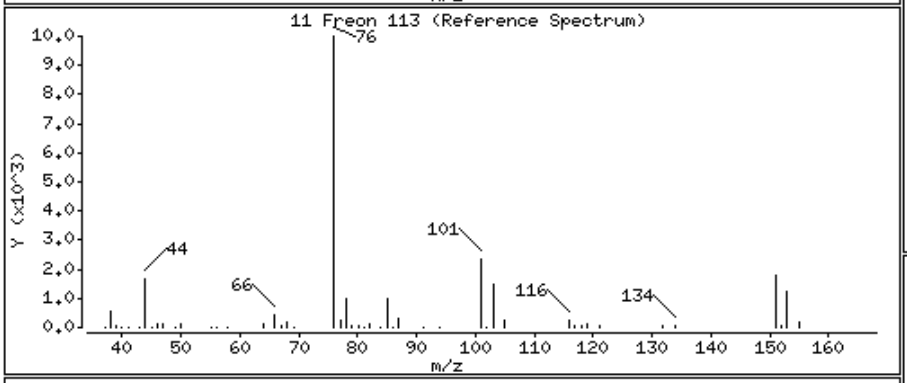
11 Freon 113 Concentration: 4877.38 ug/L

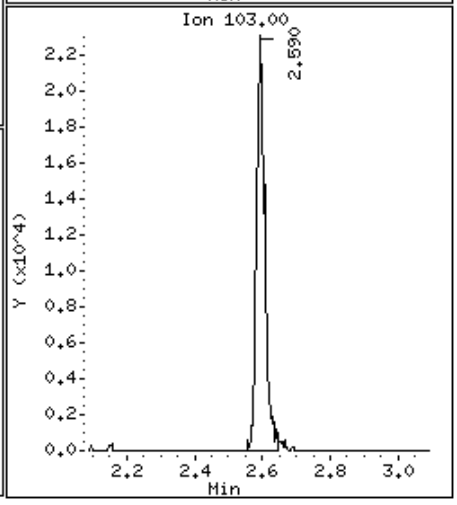


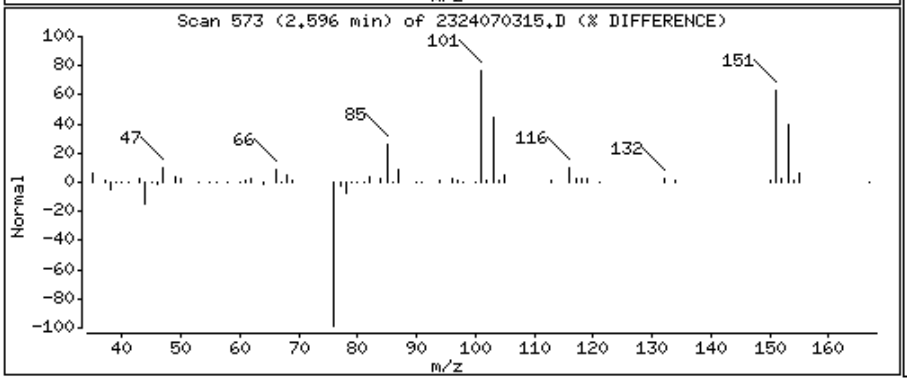












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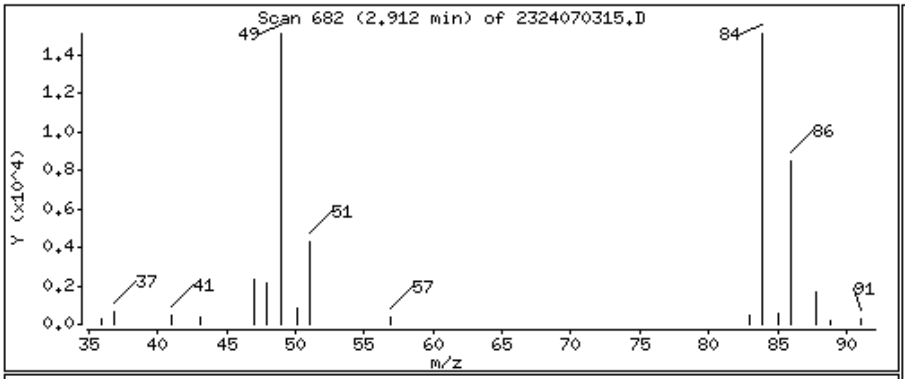
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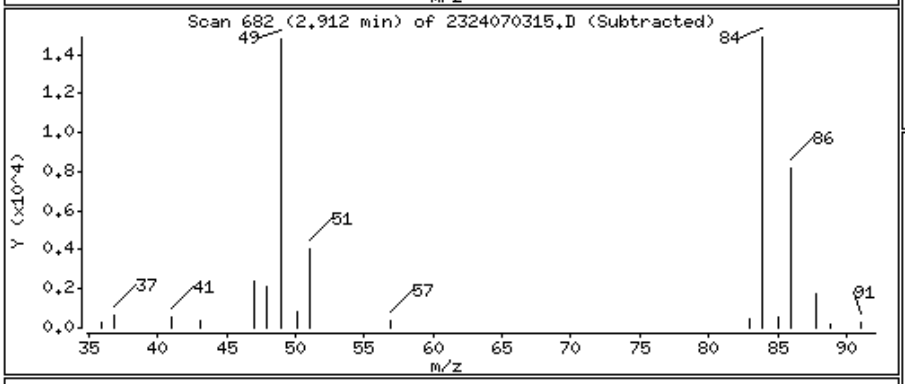
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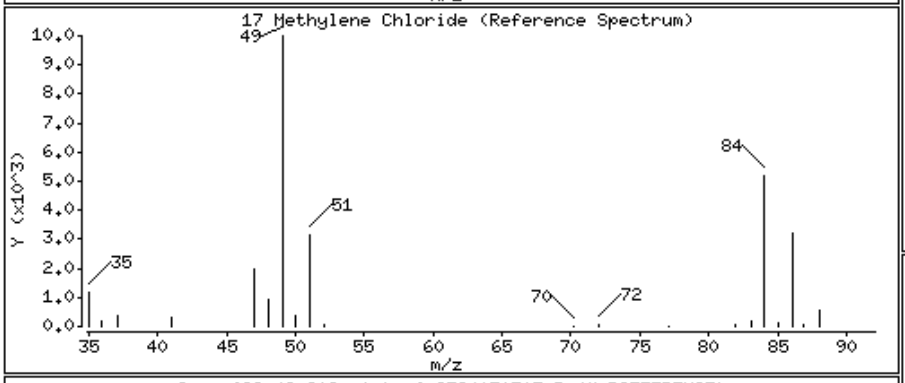
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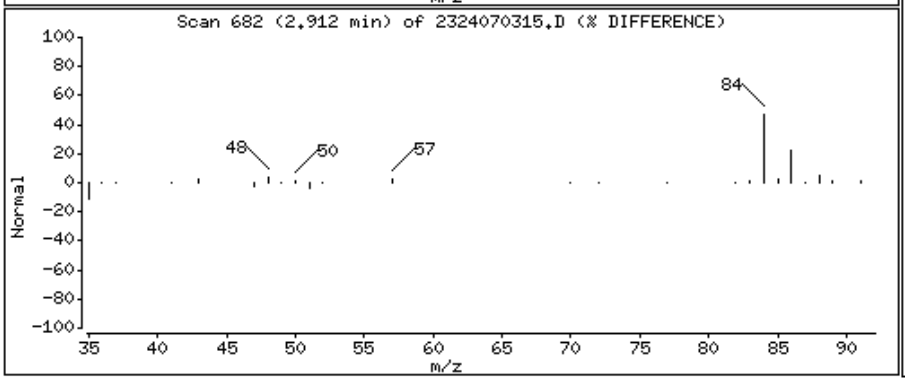
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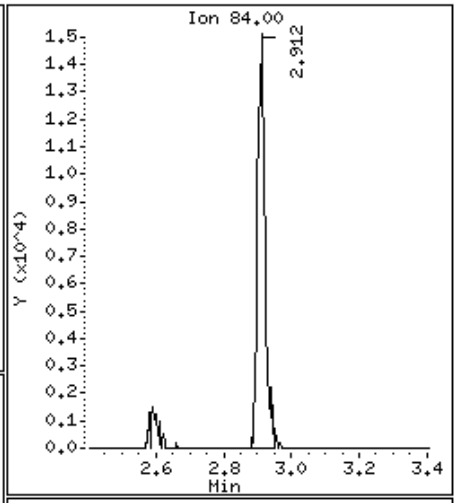
17 Methylene Chloride Concentration: 1625.55 ug/L

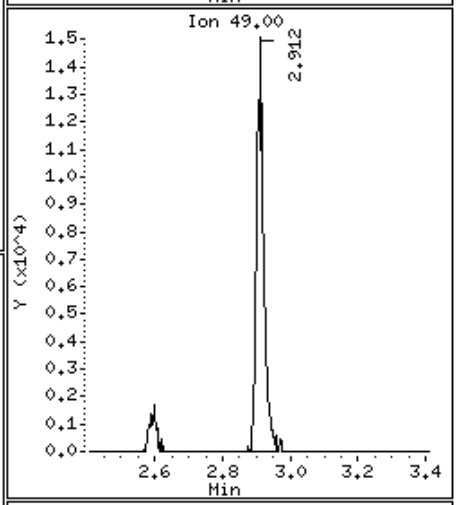


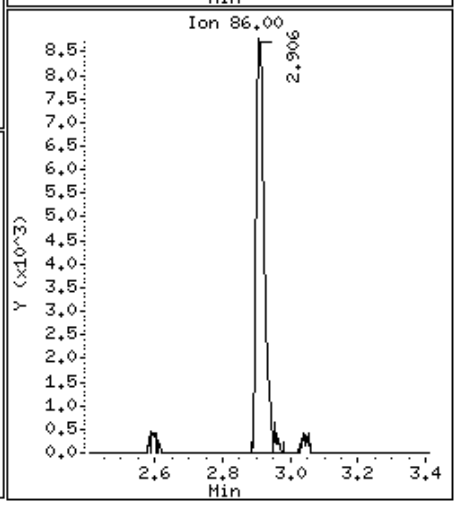












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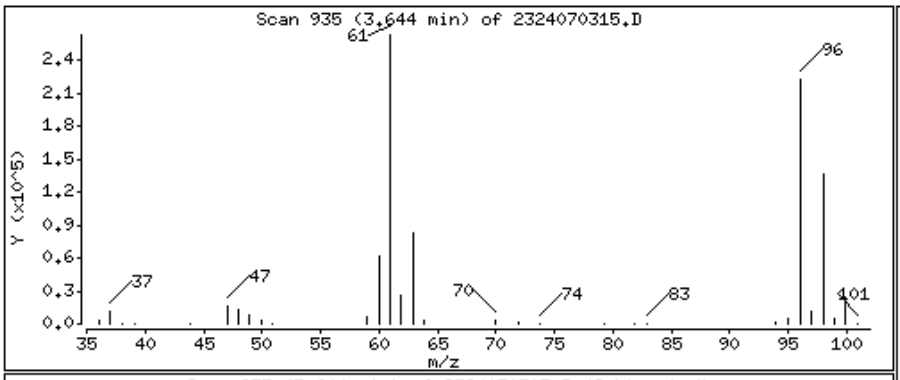
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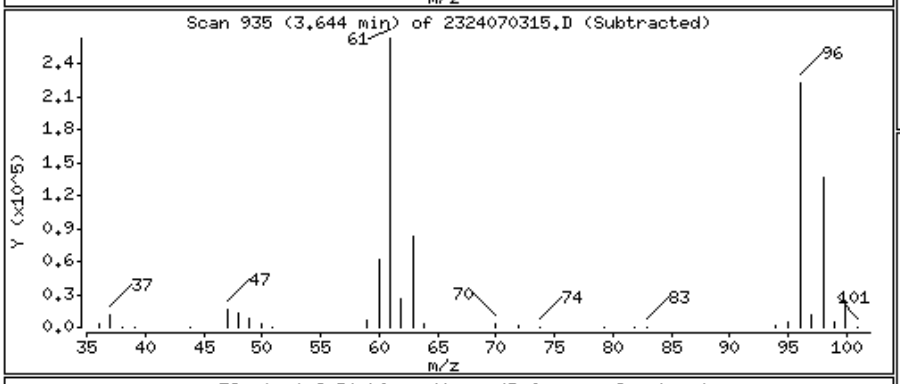
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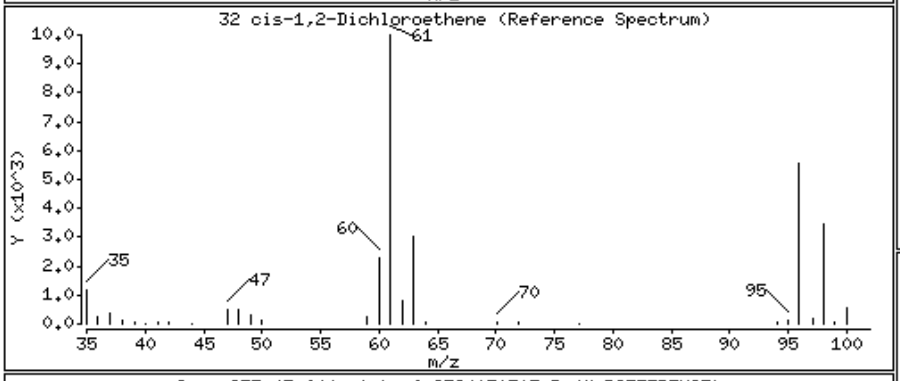
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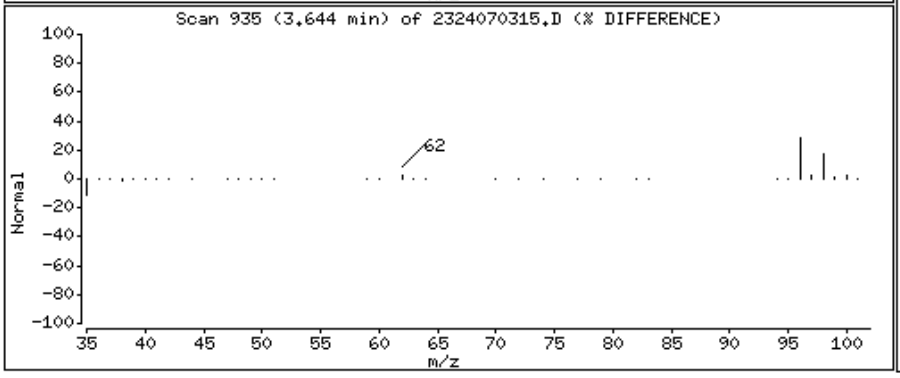
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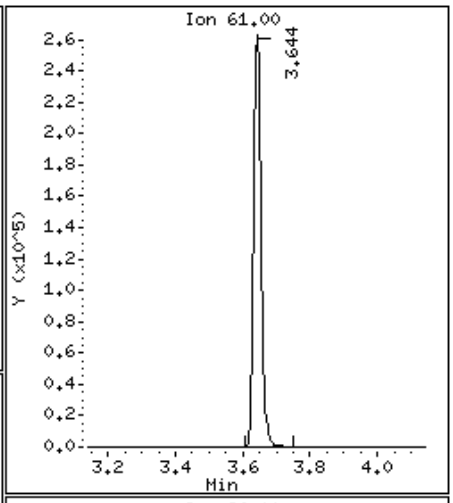
32 cis-1,2-Dichloroethene Concentration: 21679.9 ug/L

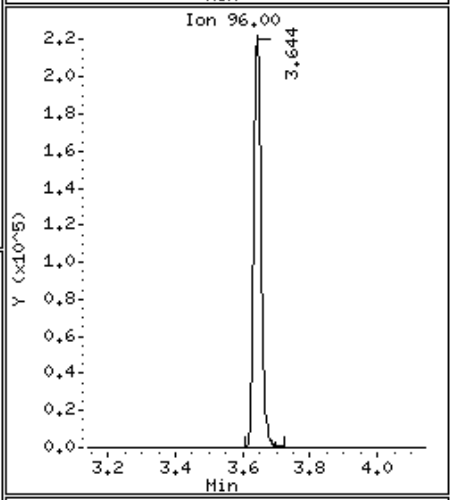


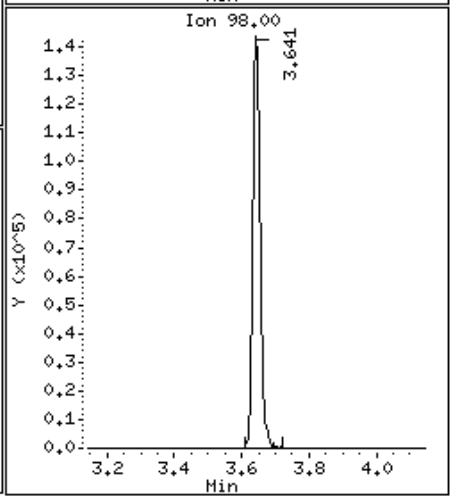












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070315.D Page 7

Date : 03-JUL-2024 14:49

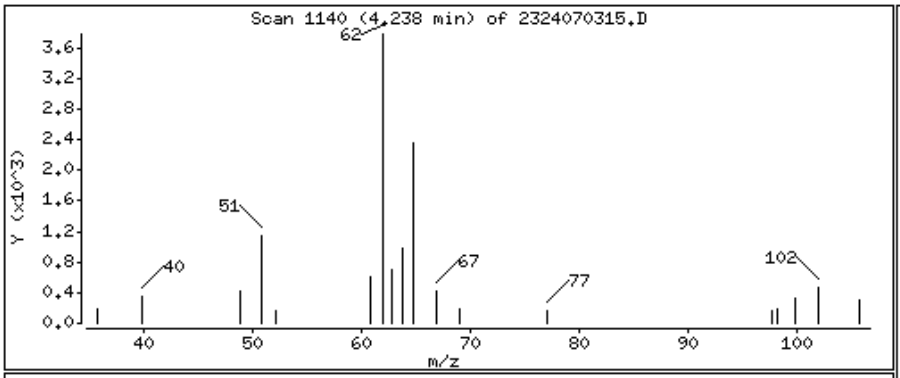
Client ID: ICT12D_062024_a Instrument: ms23.i

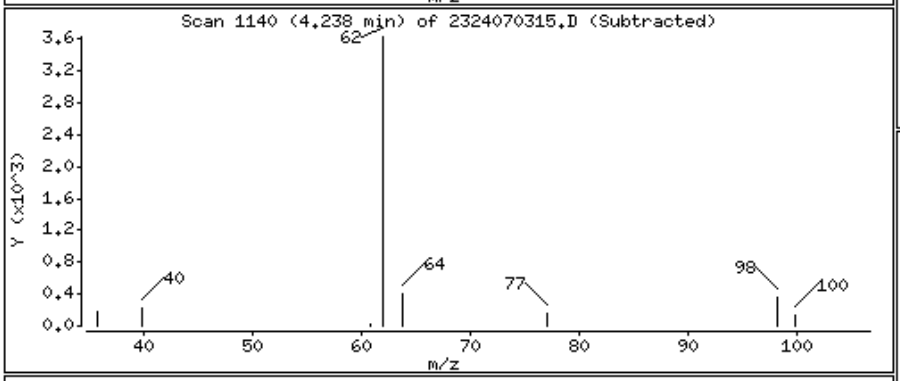
Sample Info: 3366026010;;1;;;;;500

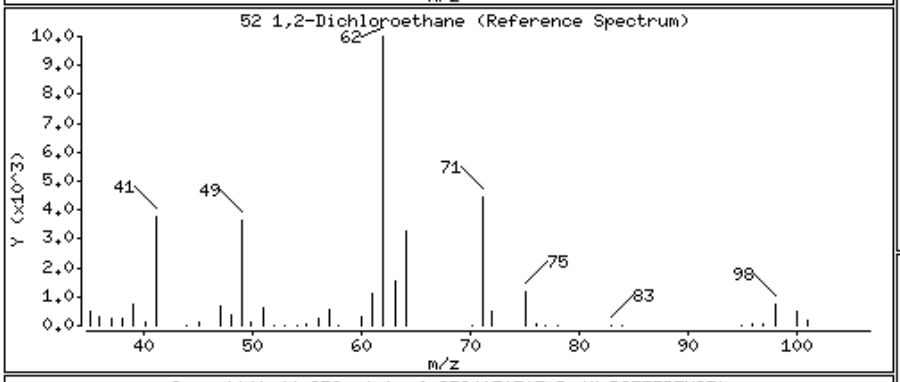
Purge Volume: 5.0 Operator: TMP

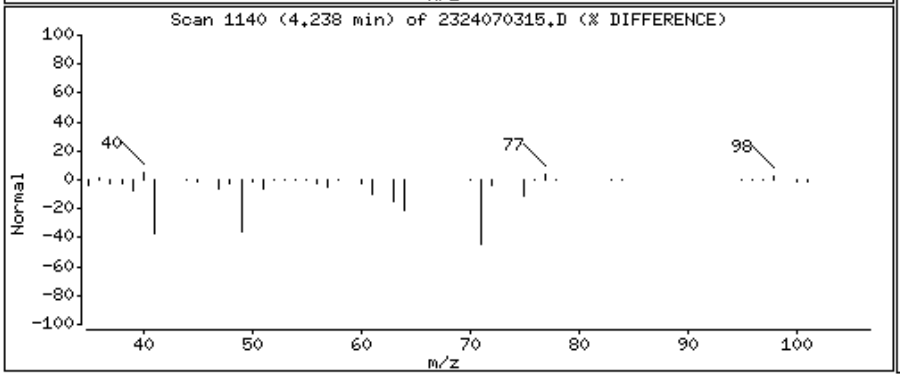
Column phase: DB-VRX Column diameter: 0.25

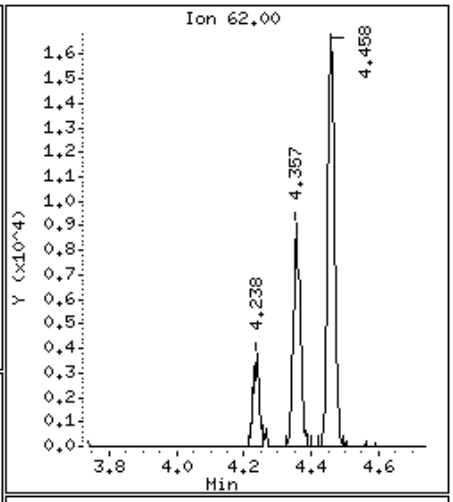
52 1,2-Dichloroethane Concentration: 183.516 ug/L

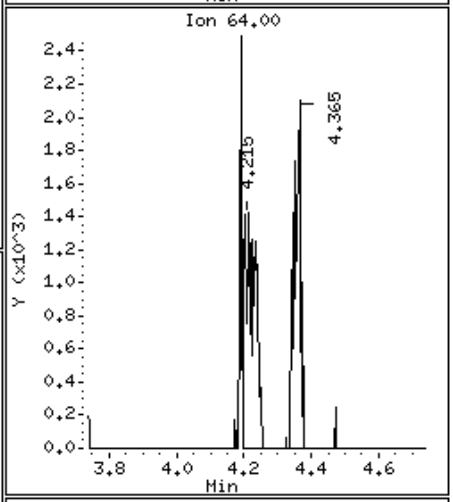


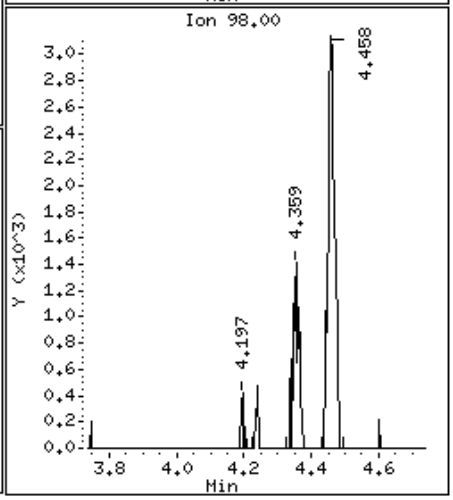












Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070315.D Page 8

Date : 03-JUL-2024 14:49

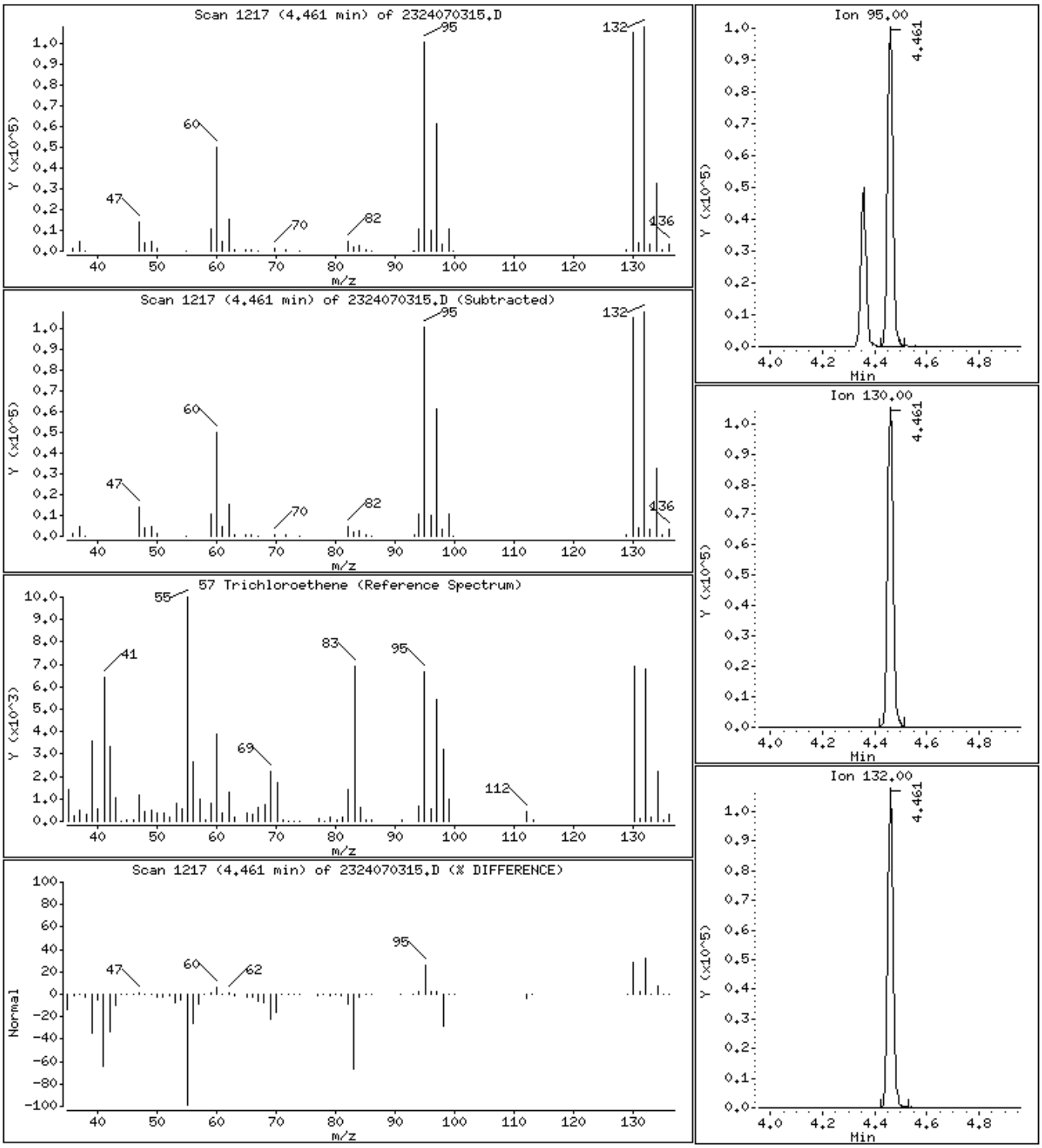
Client ID: ICT12D_062024_a Instrument: ms23.i

Sample Info: 3366026010;;1;;;;;500

Purge Volume: 5.0 Operator: TMP

Column phase: DB-VRX Column diameter: 0.25

57 Trichloroethene Concentration: 9577.90 ug/L



Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070315.D
Inj Date : 03-JUL-2024 14:49
InstruID : ms23.i
LabSampID : 3366026010

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:37
Client ID: ICT12D_062024_a
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407031
Inj Date: 03-JUL-2024 14:49
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile
trans-1,2-Dichloroethene
Isopropyl Alcohol
Trichlorofluoromethane
1-Chlorohexane
1,3-Dichloropropane
1,1,1-Trichloroethane

Data File: 2324070316.D Page 1
Report Date: 09-Jul-2024 13:38

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070316.D
Lab Smp Id: 3366026011 Client Smp ID: ICT12E_062024
Inj Date : 03-JUL-2024 15:09
Operator : TMP Inst ID: ms23.i
Smp Info : 3366026011;;1;;;;;500
Misc Info : ZZ VOMS 73704 D8260DW
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\23-8260b09D.m
Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 16
Dil Factor: 500.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	500.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
3 Vinyl Chloride	62	Compound Not Detected.						
4 Bromomethane	94	Compound Not Detected.						
5 Chloroethane	64	Compound Not Detected.						
6 Pentane	41	Compound Not Detected.						
7 Trichlorofluoromethane	101	Compound Not Detected.						
8 Dichlorofluoromethane	67	Compound Not Detected.						
9 Ethyl Ether	74	Compound Not Detected.						
10 1,1-Dichloroethene	61	2.584	2.578	(0.593)	5386	0.58364	291.822(a)	
12 Carbon Disulfide	76	Compound Not Detected.						
11 Freon 113	101	2.596	2.590	(0.596)	10517	1.74925	874.623	
13 Iodomethane	127	Compound Not Detected.						
14 Acrolein	56	Compound Not Detected.						
16 3-Chloro-1-propene	41	Compound Not Detected.						
15 Isopropyl Alcohol	45	Compound Not Detected.						
17 Methylene Chloride	84	Compound Not Detected.						
18 Acetone	58	Compound Not Detected.						
19 Methyl acetate	74	Compound Not Detected.						
20 trans-1,2-Dichloroethene	61	Compound Not Detected.						
21 Hexane	57	Compound Not Detected.						
22 Methyl t-Butyl Ether	73	Compound Not Detected.						

Data File: 2324070316.D Page 2
Report Date: 09-Jul-2024 13:38

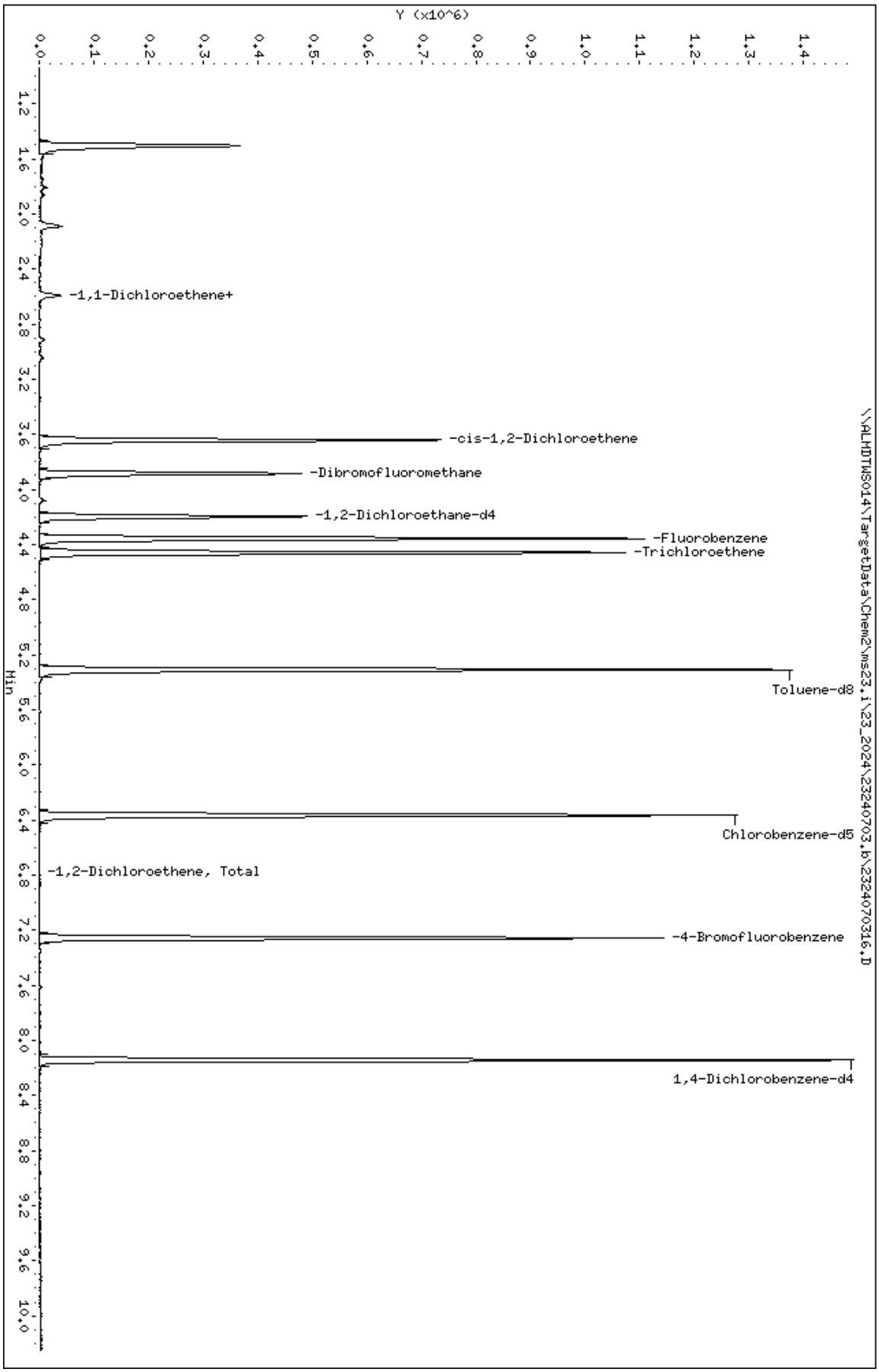
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	23 tert.- Butyl Alcohol	59	Compound Not Detected.						
	24 Acetonitrile	41	Compound Not Detected.						
	25 Diisopropyl ether	45	Compound Not Detected.						
	26 Chloroprene	53	Compound Not Detected.						
	27 1,1-Dichloroethane	63	Compound Not Detected.						
	28 Acrylonitrile	53	Compound Not Detected.						
	30 n-Propanol	41	Compound Not Detected.						
	29 Ethyl tert-butyl ether	59	Compound Not Detected.						
	31 Vinyl acetate	86	Compound Not Detected.						
	32 cis-1,2-Dichloroethene	61	3.644	3.641	(0.837)	323895	35.7753	17887.7	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
M	100 1,2-Dichloroethene, Total	61				323895	35.7753	17887.7	
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Cyclohexane	84	Compound Not Detected.						
	36 Chloroform	83	Compound Not Detected.						
	37 Ethyl acetate	43	Compound Not Detected.						
	38 Methyl acrylate	55	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 Tetrahydrofuran	42	Compound Not Detected.						
$	41 Dibromofluoromethane	113	3.884	3.884	(0.892)	212705	28.5679	14283.9	
	42 1,1,1-Trichloroethane	97	Compound Not Detected.						
	43 2-Butanone	72	Compound Not Detected.						
	44 1,1-Dichloropropene	75	Compound Not Detected.						
	45 1-Chlorobutane	41	Compound Not Detected.						
	46 Heptane	71	Compound Not Detected.						
	48 Propionitrile	54	Compound Not Detected.						
	47 Benzene	78	Compound Not Detected.						
	49 Methacrylonitrile	67	Compound Not Detected.						
	50 tert-amyl methyl Ether	73	Compound Not Detected.						
$	51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	312131	29.7519	14875.9	
	54 Isobutyl alcohol	42	Compound Not Detected.						
	52 1,2-Dichloroethane	62	Compound Not Detected.						
	53 tert-Amyl Alcohol	59	Compound Not Detected.						
*	55 Fluorobenzene	96	4.356	4.356	(1.000)	757695	30.0000		
	56 Diisobutylene	57	Compound Not Detected.						
	57 Trichloroethene	95	4.460	4.457	(1.024)	270456	36.3285	18164.3	
	58 Methyl cyclohexane	83	Compound Not Detected.						
	59 tert-Amyl Ethylether	59	Compound Not Detected.						
	60 Dibromomethane	93	Compound Not Detected.						
	61 1,2-Dichloropropane	63	Compound Not Detected.						
	62 Bromodichloromethane	83	Compound Not Detected.						
	63 Methyl methacrylate	41	Compound Not Detected.						
	65 2-Chloroethylvinyl ether	63	Compound Not Detected.						
	66 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	67 Octane	85	Compound Not Detected.						
$	68 Toluene-d8	98	5.309	5.309	(0.834)	742525	28.9221	14461.1	
	69 Toluene	92	Compound Not Detected.						
	70 Chloroacetonitrile	75	Compound Not Detected.						
	71 2-Nitropropane	41	Compound Not Detected.						
	72 1,1-Dichloro-2-propanone	63	Compound Not Detected.						
	73 4-Methyl-2-Pentanone(MIBK)	43	Compound Not Detected.						
	75 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	74 Tetrachloroethene	164	Compound Not Detected.						
	76 Ethyl methacrylate	69	Compound Not Detected.						

Data File: 2324070316.D Page 3
Report Date: 09-Jul-2024 13:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	Compound Not Detected.						
	78 Chlorodibromomethane	129	Compound Not Detected.						
	79 1,3-Dichloropropane	76	Compound Not Detected.						
	80 1,2-Dibromoethane	107	Compound Not Detected.						
	81 2-Hexanone	43	Compound Not Detected.						
	82 1-Chlorohexane	91	Compound Not Detected.						
*	83 Chlorobenzene-d5	82	6.363	6.362	(1.000)	328906	30.0000		
	85 Ethylbenzene	106	Compound Not Detected.						
	84 Chlorobenzene	112	Compound Not Detected.						
	86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	87 mp-Xylene	106	Compound Not Detected.						
M	120 1,3-Dichloropropene, Total	75	Compound Not Detected.						
	88 o-Xylene	106	Compound Not Detected.						
	89 Styrene	104	Compound Not Detected.						
	90 Bromoform	173	Compound Not Detected.						
	91 Isopropylbenzene	105	Compound Not Detected.						
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	273131	28.2249	14112.4	
M	121 TOTAL XYLENES	106	Compound Not Detected.						
	94 n-Propylbenzene	120	Compound Not Detected.						
	93 Bromobenzene	156	Compound Not Detected.						
	95 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	97 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	96 o-Chlorotoluene	91	Compound Not Detected.						
	98 1,2,3-Trichloropropane	110	Compound Not Detected.						
	99 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.						
	101 p-Chlorotoluene	91	Compound Not Detected.						
	102 tert-Butylbenzene	134	Compound Not Detected.						
	103 Pentachloroethane	117	Compound Not Detected.						
	104 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	105 sec-Butylbenzene	105	Compound Not Detected.						
	106 p-Isopropyltoluene	134	Compound Not Detected.						
	107 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	349782	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	Compound Not Detected.						
	111 n-Butylbenzene	134	Compound Not Detected.						
	110 Benzyl Chloride	126	Compound Not Detected.						
	112 Hexachloroethane	117	Compound Not Detected.						
	113 1,2-Dichlorobenzene	146	Compound Not Detected.						
	114 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	115 Nitrobenzene	77	Compound Not Detected.						
	116 Hexachlorobutadiene	225	Compound Not Detected.						
	117 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	118 Naphthalene	128	Compound Not Detected.						
	119 1,2,3-Trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.



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Sample Info: 33660260111;1;;;;;500
Purge Volume: 5.0
Column phase: DB-VRX
Instrument: ms23.i
Operator: THP
Column diameter: 0.25
Page 1

Data File: \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070316.D Page 2

Date : 03-JUL-2024 15:09

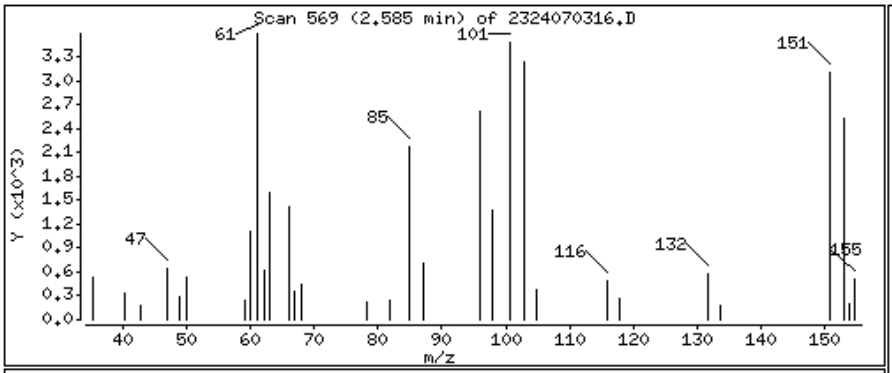
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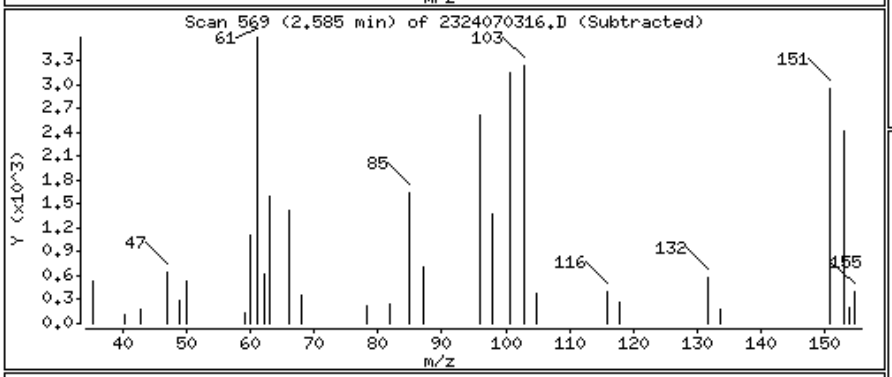
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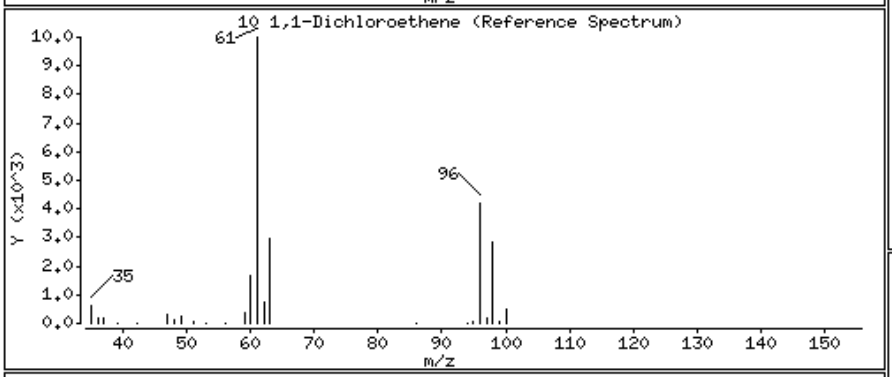
Purge Volume: 5.0 Operator: TMP

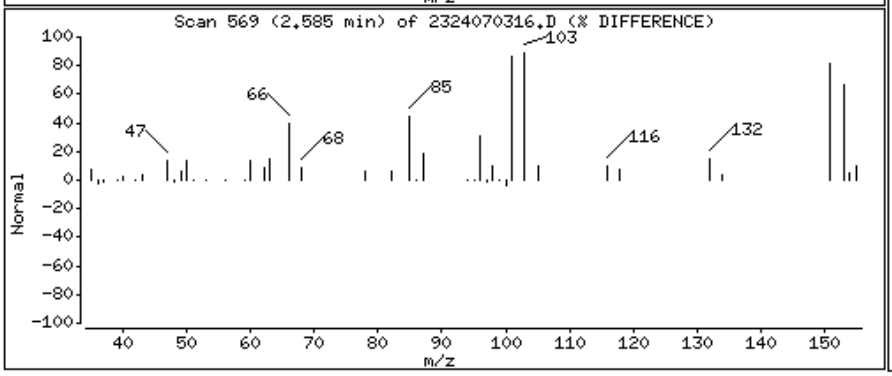
Column phase: DB-VRX Column diameter: 0.25

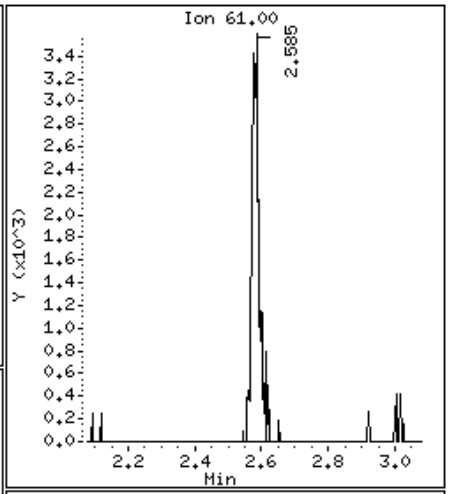
10 1,1-Dichloroethene Concentration: 291.822 ug/L

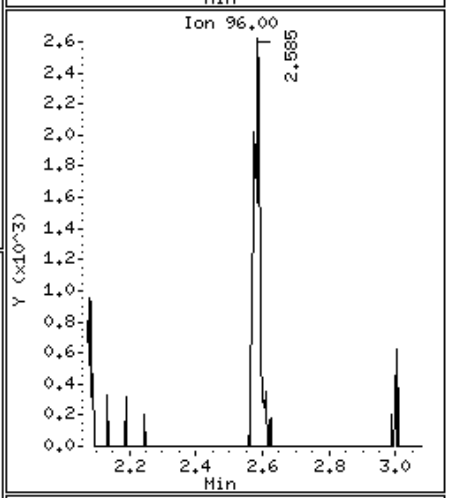


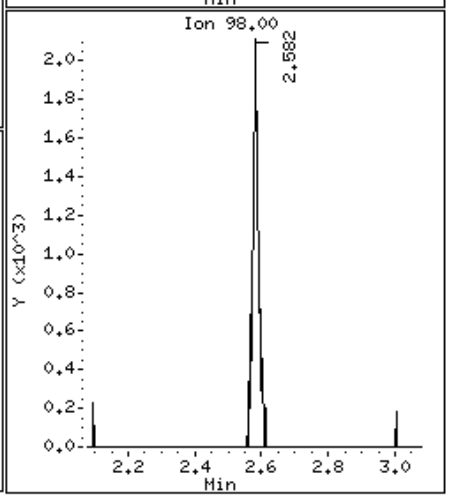












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Date : 03-JUL-2024 15:09

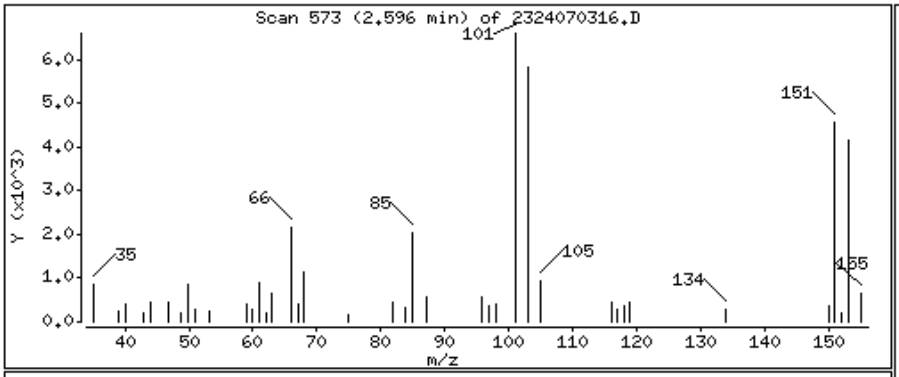
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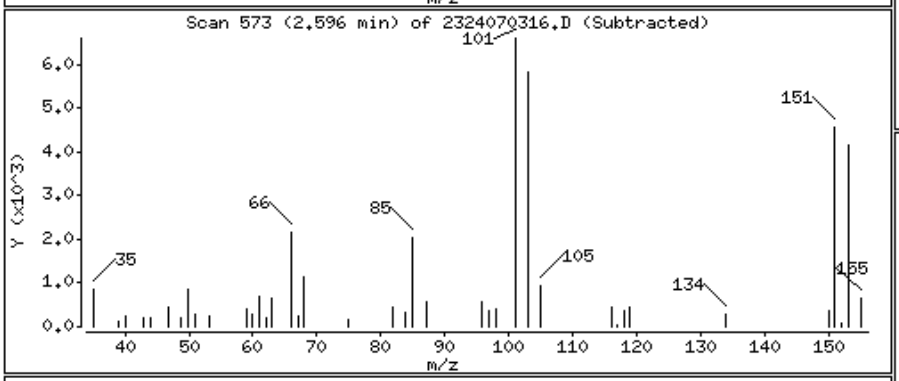
Sample Info: 3366026011;;1;;;;;500

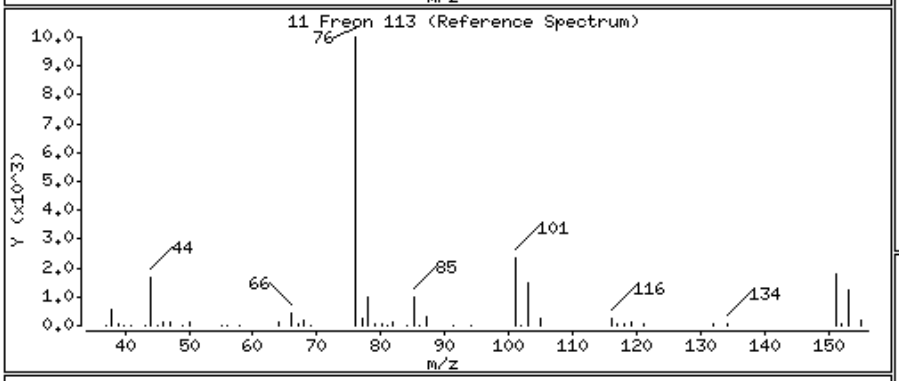
Purge Volume: 5.0 Operator: TMP

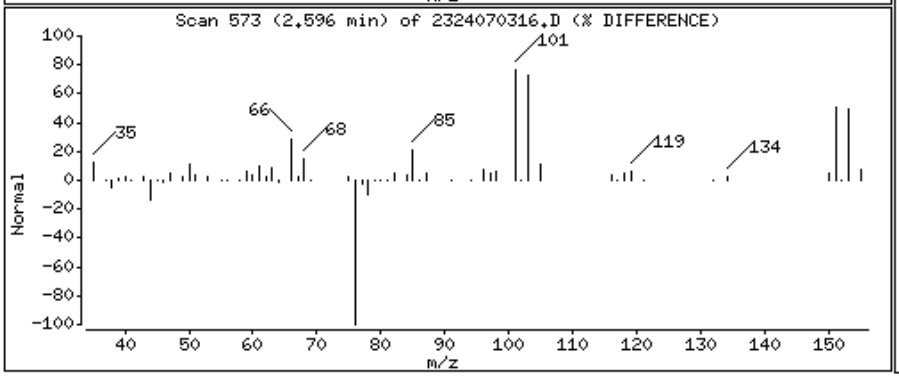
Column phase: DB-VRX Column diameter: 0.25

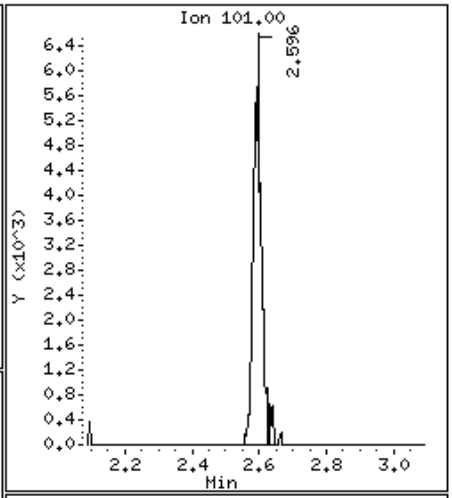
11 Freon 113 Concentration: 874.623 ug/L

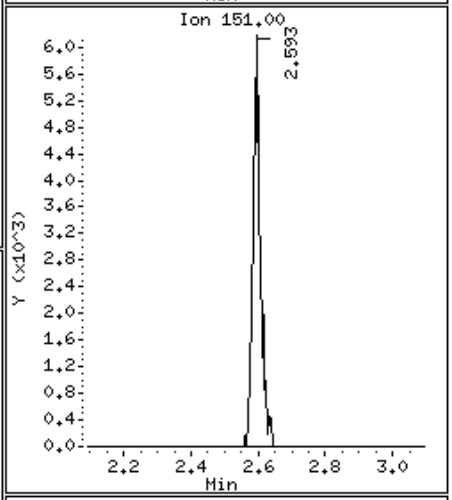


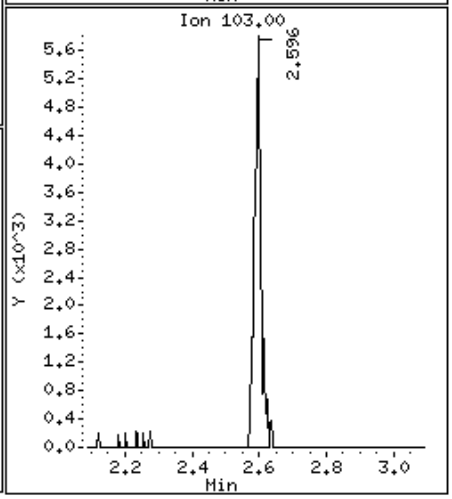












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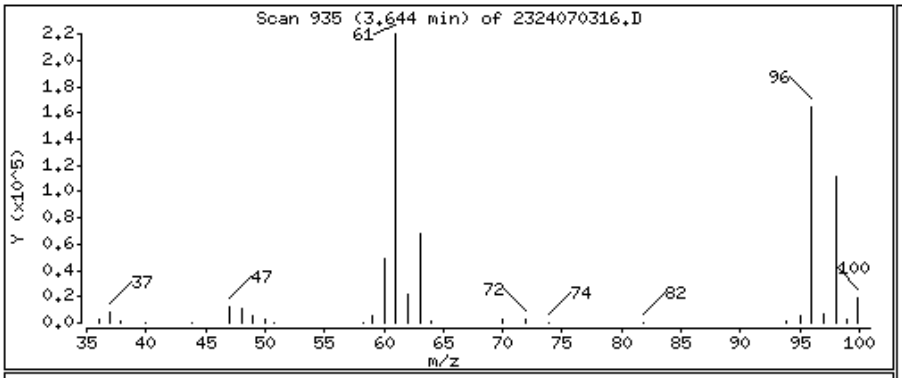
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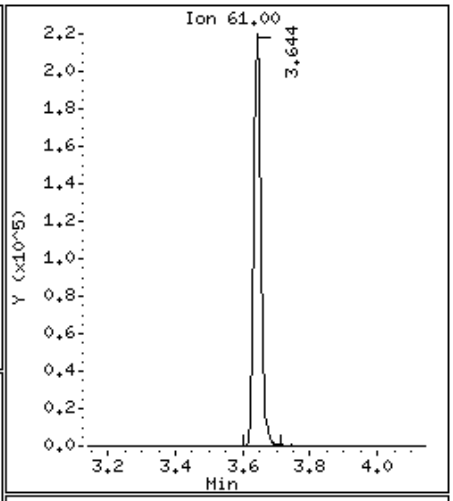
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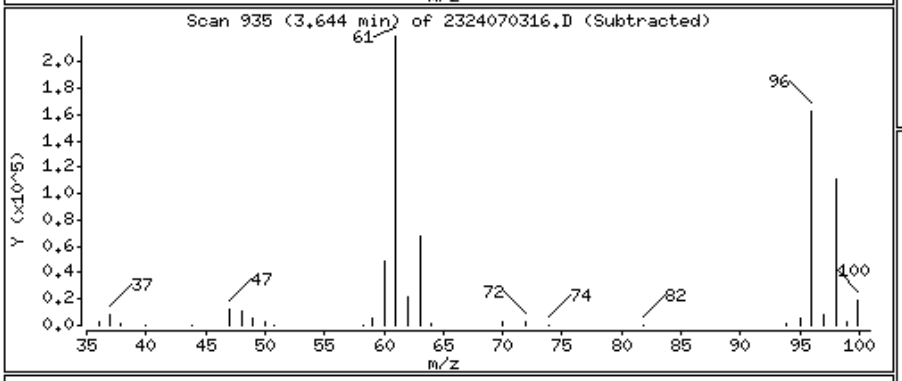
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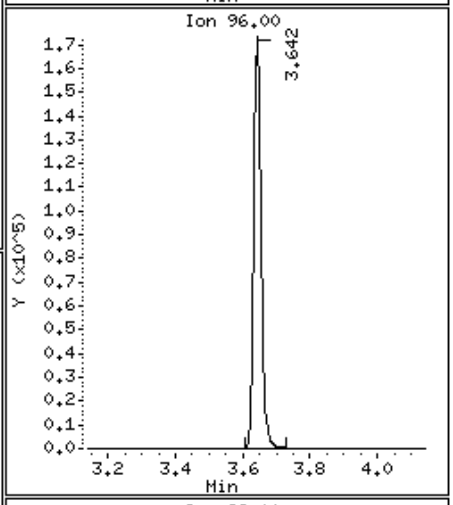
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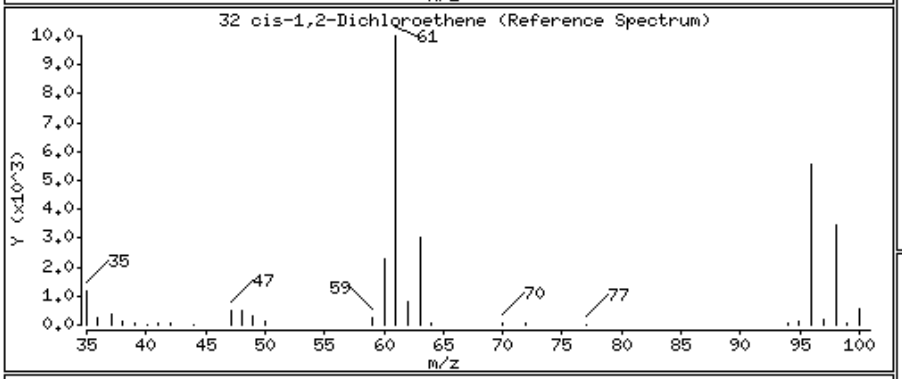
32 cis-1,2-Dichloroethene Concentration: 17887.7 ug/L

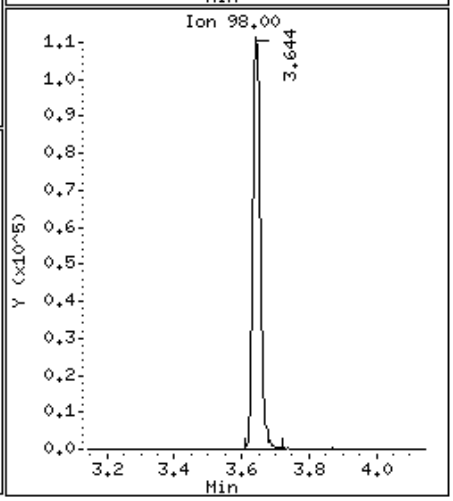


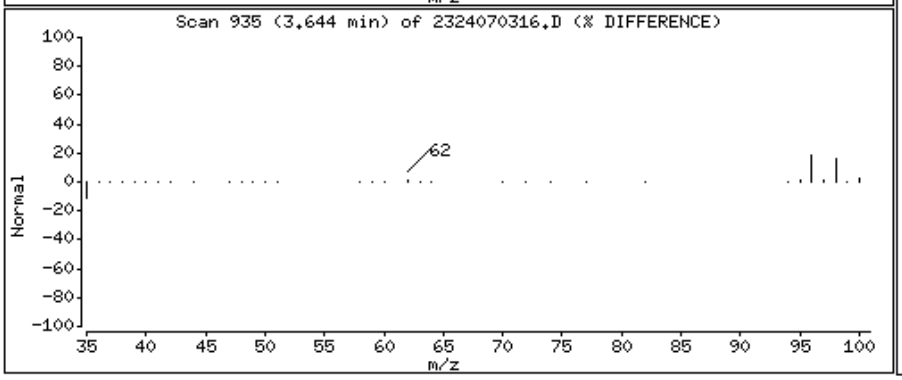












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Date : 03-JUL-2024 15:09

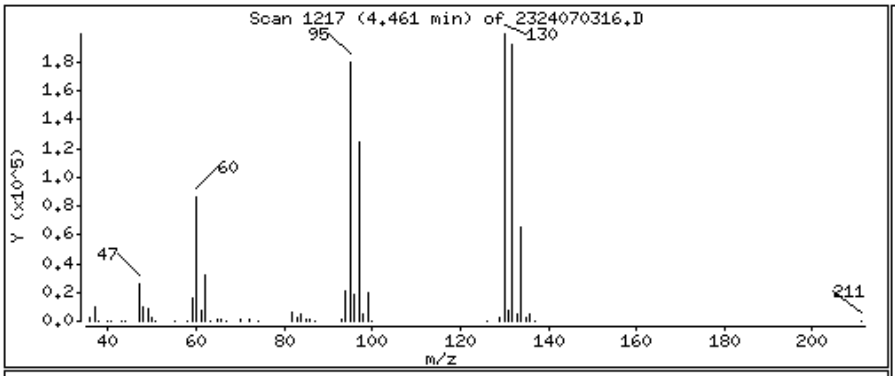
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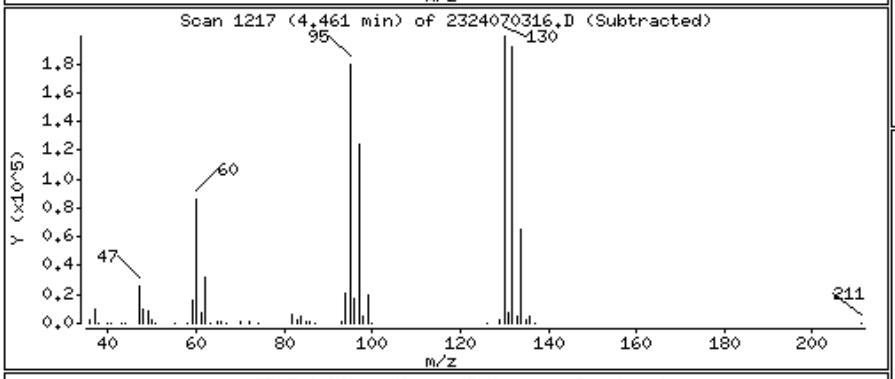
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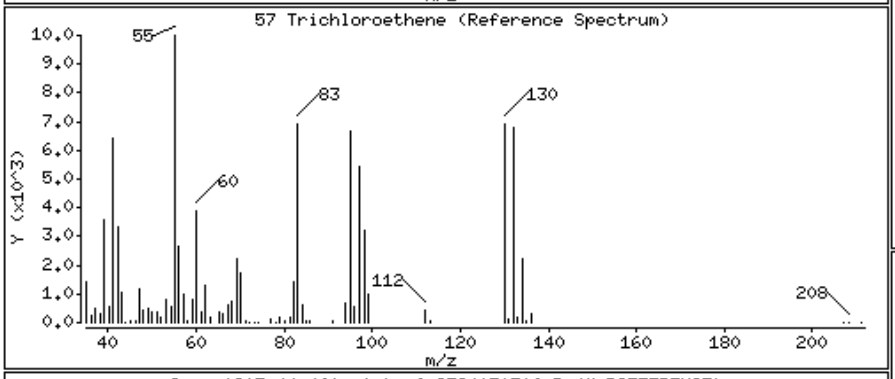
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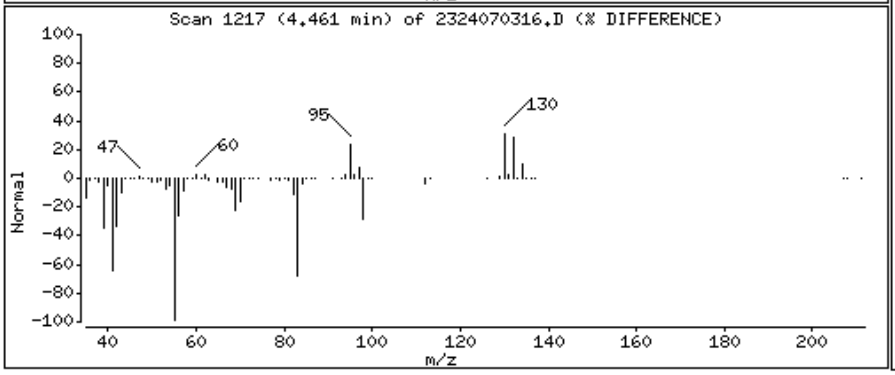
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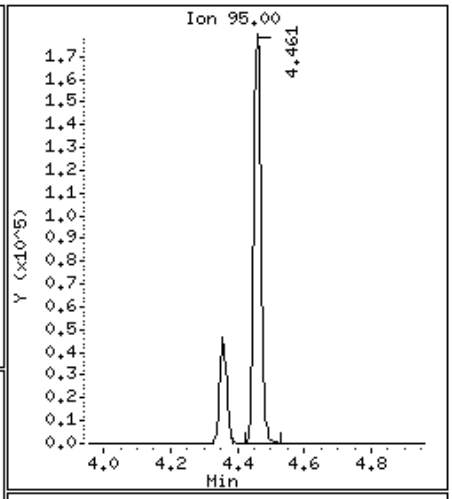
57 Trichloroethene Concentration: 18164.3 ug/L

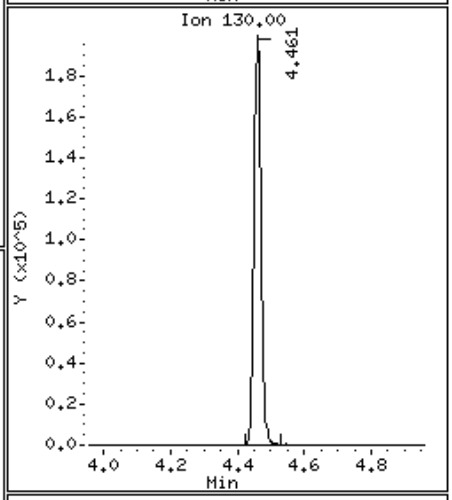


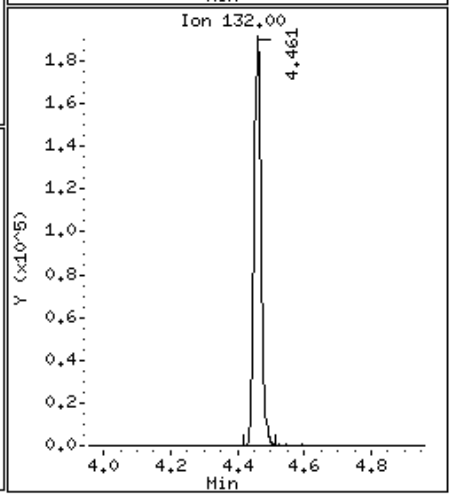












Data File : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070316.D
Inj Date : 03-JUL-2024 15:09
InstruID : ms23.i
LabSampID : 3366026011

NO MANUAL INTEGRATIONS

UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:38
Client ID: ICT12E_062024
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407031
Inj Date: 03-JUL-2024 15:09
Operator: TMP

Analytes listed below were unassigned due to not meeting one or more of the following qualitative criteria (retention time, mass spectral match, extracted ion ratios)
Rationale other than qualitative criteria are noted on the quantitation report.:

Acetonitrile	tert-amyl methyl Ether
Bromodichloromethane	1-Chlorobutane
1,2-Dichloroethane	trans-1,2-Dichloroethene
1,3-Dichloropropane	Isopropyl Alcohol
Methyl cyclohexane	Pentane
1,1,1-Trichloroethane	Trichlorofluoromethane

Data File: 2324070329.D Page 1
Report Date: 09-Jul-2024 13:26

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms23.i\23_2024\23240703.b\2324070329.D
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Inj Date : 03-JUL-2024 19:28
Operator : TMP Inst ID: ms23.i
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Comment :
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Meth Date : 08-Jul-2024 04:43 chs Quant Type: ISTD
Cal Date : 01-JUL-2024 11:30 Cal File: 2324070106.D
Als bottle: 28 QC Sample: ENDCCV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DODall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/L)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.632	1.629	(0.375)	483134	46.8891	46.8891	
2 Chloromethane	50	1.788	1.788	(0.411)	243530	38.5009	38.5009	
3 Vinyl Chloride	62	1.849	1.849	(0.424)	280297	42.8873	42.8873	
4 Bromomethane	94	2.075	2.072	(0.476)	246498	49.8843	49.8843	
5 Chloroethane	64	2.150	2.147	(0.494)	157842	42.2945	42.2945	
6 Pentane	41	2.245	2.245	(0.516)	186713	48.1794	48.1794	
7 Trichlorofluoromethane	101	2.248	2.248	(0.516)	674768	49.4824	49.4824	
8 Dichlorofluoromethane	67	2.280	2.277	(0.523)	642100	49.2867	49.2867	
9 Ethyl Ether	74	2.442	2.439	(0.561)	183012	48.9099	48.9099	
10 1,1-Dichloroethene	61	2.578	2.578	(0.592)	427737	48.5744	48.5744	
12 Carbon Disulfide	76	2.619	2.619	(0.601)	783095	47.6935	47.6935	
11 Freon 113	101	2.593	2.590	(0.595)	282003	49.1543	49.1543	
13 Iodomethane	127	2.677	2.677	(0.615)	155645	45.1914	45.1914	
14 Acrolein	56	2.761	2.761	(0.634)	237725	215.613	215.613	
16 3-Chloro-1-propene	41	2.848	2.848	(0.654)	289597	47.0645	47.0645	
15 Isopropyl Alcohol	45	2.822	2.821	(0.648)	95058	214.092	214.092	
17 Methylene Chloride	84	2.911	2.905	(0.668)	306526	46.1877	46.1877	
18 Acetone	58	2.923	2.920	(0.671)	131293	204.000	204.000	
19 Methyl acetate	74	2.981	2.984	(0.684)	60234	45.2149	45.2149	
20 trans-1,2-Dichloroethene	61	3.004	3.001	(0.690)	398185	49.5637	49.5637	
21 Hexane	57	3.045	3.044	(0.699)	475510	43.5894	43.5894	
22 Methyl t-Butyl Ether	73	3.050	3.050	(0.700)	1109603	49.4746	49.4746	

Data File: 2324070329.D
Report Date: 09-Jul-2024 13:26

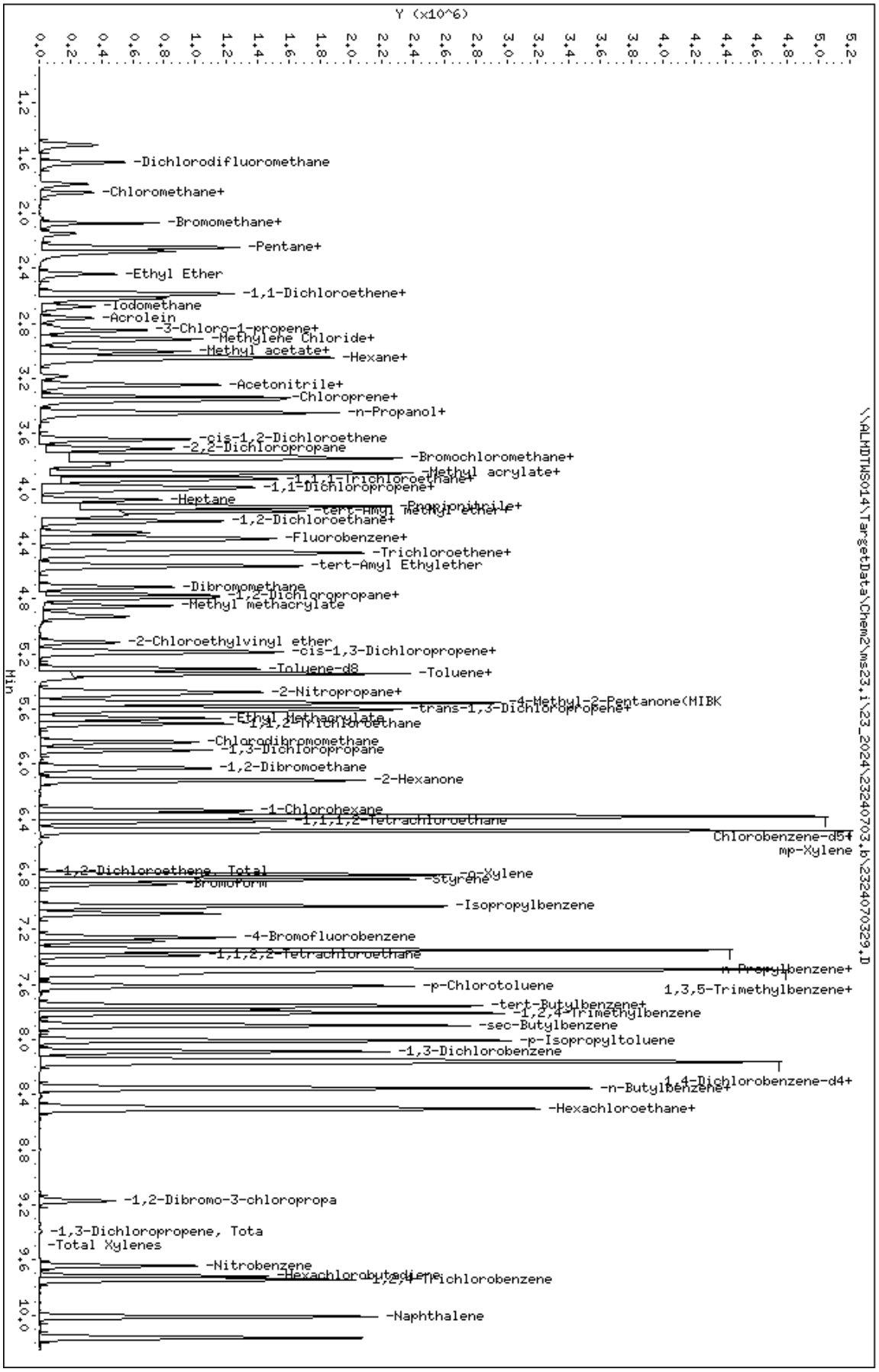
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
23 tert.- Butyl Alcohol	59	3.071	3.068	(0.705)	219583	223.416	223.416	
24 Acetonitrile	41	3.186	3.183	(0.732)	144183	203.916	203.916	
25 Diisopropyl ether	45	3.247	3.244	(0.745)	703395	46.5453	46.5453	
26 Chloroprene	53	3.334	3.334	(0.765)	474810	50.3292	50.3292	
27 1,1-Dichloroethane	63	3.346	3.346	(0.768)	521075	48.8554	48.8554	
28 Acrylonitrile	53	3.357	3.357	(0.771)	651697	241.350	241.350	
30 n-Propanol	41	3.447	3.447	(0.791)	180986	480.829	480.829	
29 Ethyl tert-butyl ether	59	3.450	3.447	(0.792)	1002059	50.1681	50.1681	
31 Vinyl acetate	86	3.453	3.450	(0.793)	80947	48.9245	48.9245(Q)	
32 cis-1,2-Dichloroethene	61	3.641	3.641	(0.836)	418796	48.4765	48.4765	
33 2,2-Dichloropropane	77	3.710	3.710	(0.852)	500021	44.1766	44.1766	
M 100 1,2-Dichloroethene, Total	61				816981	98.0402	98.0402	
34 Bromochloromethane	128	3.757	3.757	(0.862)	196772	52.4144	52.4144	
35 Cyclohexane	84	3.780	3.780	(0.868)	439008	48.1154	48.1154	
36 Chloroform	83	3.780	3.780	(0.868)	704137	50.7296	50.7296	
37 Ethyl acetate	43	3.815	3.815	(0.876)	286951	44.0874	44.0874	
38 Methyl acrylate	55	3.835	3.832	(0.880)	279085	46.9368	46.9368	
39 Carbon Tetrachloride	117	3.890	3.890	(0.893)	610509	54.1731	54.1731(M)	MP
40 Tetrahydrofuran	42	3.881	3.878	(0.891)	358751	217.850	217.850	
$ 41 Dibromofluoromethane	113	3.887	3.884	(0.892)	208760	29.3830	29.3830	
42 1,1,1-Trichloroethane	97	3.922	3.922	(0.900)	679349	52.8940	52.8940	
43 2-Butanone	72	3.939	3.936	(0.904)	212999	225.472	225.472	
44 1,1-Dichloropropene	75	3.986	3.985	(0.915)	459770	49.5278	49.5278	
45 1-Chlorobutane	41	4.009	4.006	(0.920)	288802	47.8948	47.8948	
46 Heptane	71	4.081	4.081	(0.937)	171481	41.5419	41.5419	
48 Propionitrile	54	4.113	4.110	(0.944)	209520	206.263	206.263	
47 Benzene	78	4.130	4.127	(0.948)	1148514	47.8735	47.8735	
49 Methacrylonitrile	67	4.127	4.127	(0.947)	139721	48.8029	48.8029	
50 tert-amyl methyl Ether	73	4.165	4.162	(0.956)	1009928	49.9921	49.9921	
$ 51 1,2-Dichloroethane-d4	65	4.197	4.197	(0.963)	316580	31.6235	31.6235	
54 Isobutyl alcohol	42	4.168	4.168	(0.957)	83098	442.925	442.925(Q)	
52 1,2-Dichloroethane	62	4.235	4.237	(0.972)	596011	49.8838	49.8838	
53 tert-Amyl Alcohol	59	4.237	4.237	(0.973)	155072	214.349	214.349	
* 55 Fluorobenzene	96	4.356	4.356	(1.000)	723012	30.0000		
56 Diisobutylene	57	4.371	4.370	(1.003)	551479	46.0523	46.0523	
57 Trichloroethene	95	4.460	4.457	(1.024)	353484	49.7588	49.7588	
58 Methyl cyclohexane	83	4.475	4.472	(0.703)	456129	47.1962	47.1962	
59 tert-Amyl Ethylether	59	4.562	4.559	(1.047)	732556	49.0120	49.0120	
60 Dibromomethane	93	4.712	4.712	(1.082)	232139	49.0199	49.0199	
61 1,2-Dichloropropane	63	4.773	4.773	(1.096)	245087	46.0705	46.0705	
62 Bromodichloromethane	83	4.793	4.793	(1.100)	527133	51.2251	51.2251	
63 Methyl methacrylate	41	4.854	4.851	(1.114)	276721	46.5146	46.5146	
65 2-Chloroethylvinyl ether	63	5.118	5.115	(1.175)	164691	44.9629	44.9629	
66 cis-1,3-Dichloropropene	75	5.184	5.181	(0.814)	536362	49.7154	49.7154	
67 Octane	85	5.196	5.196	(0.816)	167224	46.8181	46.8181	
$ 68 Toluene-d8	98	5.309	5.309	(0.834)	754084	29.8387	29.8387	
69 Toluene	92	5.343	5.343	(0.839)	807271	49.2073	49.2073	
70 Chloroacetonitrile	75	5.378	5.381	(0.845)	109158	238.887	238.887	
71 2-Nitropropane	41	5.474	5.474	(0.860)	707229	271.193	271.193	
72 1,1-Dichloro-2-propanone	63	5.497	5.494	(0.864)	56588	253.366	253.366	
73 4-Methyl-2-Pentanone(MIBK)	43	5.555	5.555	(0.873)	1368665	237.956	237.956	
75 trans-1,3-Dichloropropene	75	5.592	5.592	(0.879)	585978	51.4596	51.4596	
74 Tetrachloroethene	164	5.610	5.610	(0.881)	357684	55.2208	55.2208	
76 Ethyl methacrylate	69	5.668	5.665	(0.890)	453403	50.2379	50.2379	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
	77 1,1,2-Trichloroethane	83	5.705	5.705	(0.896)	240970	48.3734	48.3734	
	78 Chlorodibromomethane	129	5.841	5.841	(0.918)	459441	53.8734	53.8734	
	79 1,3-Dichloropropane	76	5.899	5.899	(0.927)	529760	49.9731	49.9731	
	80 1,2-Dibromoethane	107	6.021	6.018	(0.946)	361816	51.3515	51.3515	
	81 2-Hexanone	43	6.119	6.116	(0.961)	985348	237.230	237.230	
	82 1-Chlorohexane	91	6.337	6.336	(0.995)	425793	51.7233	51.7233	
*	83 Chlorobenzene-d5	82	6.366	6.362	(1.000)	323766	30.0000		
	85 Ethylbenzene	106	6.380	6.383	(1.002)	492251	51.0642	51.0642	
	84 Chlorobenzene	112	6.380	6.377	(1.002)	944867	50.6722	50.6722	
	86 1,1,1,2-Tetrachloroethane	131	6.412	6.415	(1.007)	398573	52.7414	52.7414	
	87 mp-Xylene	106	6.481	6.481	(1.018)	1212210	102.734	102.734	
M	120 1,3-Dichloropropene, Total	75				1122340	101.175	101.175	
	88 o-Xylene	106	6.803	6.803	(1.069)	604586	51.8348	51.8348	
	89 Styrene	104	6.837	6.837	(0.840)	1016792	50.9464	50.9464	
	90 Bromoform	173	6.869	6.869	(0.844)	329736	50.3495	50.3495	
	91 Isopropylbenzene	105	7.034	7.031	(0.864)	1467545	49.3745	49.3745	
$	92 4-Bromofluorobenzene	174	7.257	7.257	(0.891)	297142	30.8123	30.8123	
M	121 TOTAL XYLENES	106				1816796	154.569	154.569	
	94 n-Propylbenzene	120	7.350	7.347	(0.903)	431027	49.3716	49.3716	
	93 Bromobenzene	156	7.350	7.350	(0.903)	443592	50.2667	50.2667	
	95 1,1,2,2-Tetrachloroethane	83	7.388	7.387	(0.907)	389164	45.4849	45.4849	
	97 1,3,5-Trimethylbenzene	105	7.495	7.495	(0.920)	1388512	50.4558	50.4558	
	96 o-Chlorotoluene	91	7.486	7.486	(0.919)	1275949	48.6384	48.6384	
	98 1,2,3-Trichloropropane	110	7.506	7.506	(0.922)	171892	47.4551	47.4551	
	99 trans-1,4-Dichloro-2-butene	53	7.527	7.526	(0.924)	142004	47.1335	47.1335	
	101 p-Chlorotoluene	91	7.613	7.613	(0.935)	1166565	48.9772	48.9772	
	102 tert-Butylbenzene	134	7.752	7.755	(0.952)	329221	50.9356	50.9356	
	103 Pentachloroethane	117	7.778	7.781	(0.955)	271662	46.3244	46.3244(QM)	MP
	104 1,2,4-Trimethylbenzene	105	7.807	7.807	(0.959)	1413321	49.8726	49.8726	
	105 sec-Butylbenzene	105	7.900	7.897	(0.970)	1611992	49.7653	49.7653	
	106 p-Isopropyltoluene	134	8.007	8.007	(0.983)	392329	51.8554	51.8554	
	107 1,3-Dichlorobenzene	146	8.088	8.088	(0.993)	799474	49.1116	49.1116	
*	108 1,4-Dichlorobenzene-d4	152	8.143	8.143	(1.000)	348576	30.0000		
	109 1,4-Dichlorobenzene	146	8.158	8.158	(1.002)	813734	49.2631	49.2631	
	111 n-Butylbenzene	134	8.355	8.354	(1.026)	345991	51.0564	51.0564(Q)	
	110 Benzyl Chloride	126	8.349	8.349	(1.025)	141541	38.8654	38.8654(Q)	
	112 Hexachloroethane	117	8.494	8.493	(1.043)	284789	50.7272	50.7272	
	113 1,2-Dichlorobenzene	146	8.505	8.505	(1.044)	788291	49.5680	49.5680	
	114 1,2-Dibromo-3-chloropropane	75	9.171	9.168	(1.126)	114134	48.0028	48.0028	
	115 Nitrobenzene	77	9.643	9.643	(1.184)	412118	418.270	418.270	
	116 Hexachlorobutadiene	225	9.718	9.721	(1.193)	238449	51.5628	51.5628	
	117 1,2,4-Trichlorobenzene	180	9.744	9.744	(1.197)	527332	51.8483	51.8483	
	118 Naphthalene	128	10.011	10.011	(1.229)	1441229	50.2744	50.2744	
	119 1,2,3-Trichlorobenzene	180	10.164	10.167	(1.248)	526909	49.7513	49.7513	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

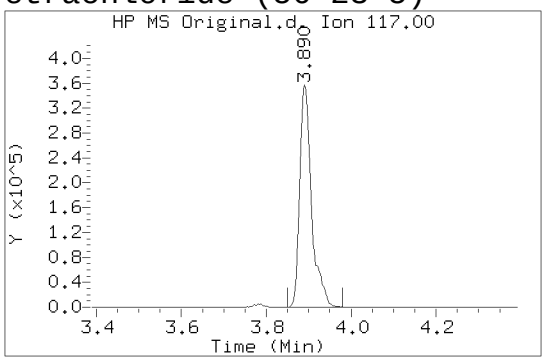

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane+
-Bromomethane+
-Pentane+
-Ethyl Ether
-1,1-Dichloroethene+
-Iodomethane
-Acrolein
-3-Chloro-1-propene+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile+
-Chloroprene+
-n-Propanol+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Methyl acrylate+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene+
-Heptane
-Propionitrile+
-tert-Amyl methyl ether+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8
-Toluene+
-2-Nitropropane+
-4-Methyl-2-Pentanone(MIBK
-trans-1,3-Dichloropropene+
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
mp-Xylene
-1,2-Dichloroethene, Total
-o-Xylene
-Styrene
-Bromoform
-Isopropylbenzene
-4-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
n-Propylbenzene+
-p-Chlorotoluene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-Total Xylenes
-Nitrobenzene
-Hexachlorobutadiene
1,2,4-Trichlorobenzene
-Naphthalene
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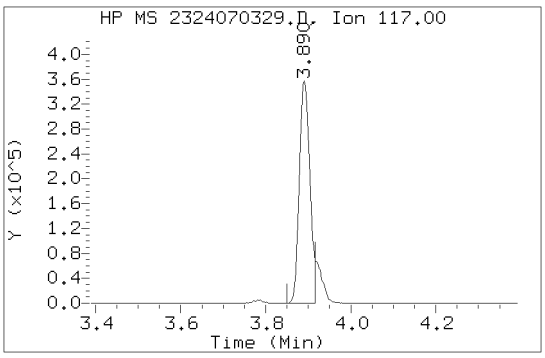
Carbon Tetrachloride (56-23-5)

Reason Code: MP

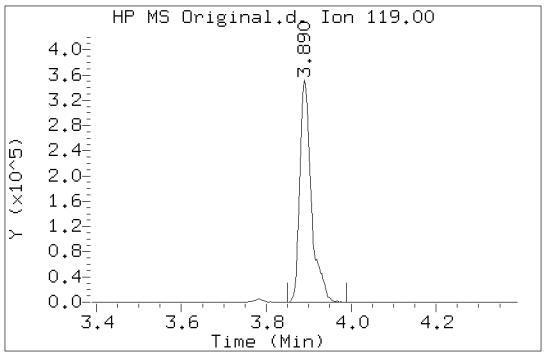
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MASS
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AREA
683190
HEIGHT
357312
08-Jul-2024
04:41



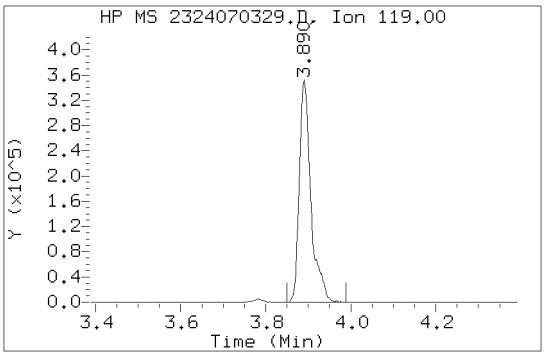
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AREA
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HEIGHT
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09-Jul-2024
13:26



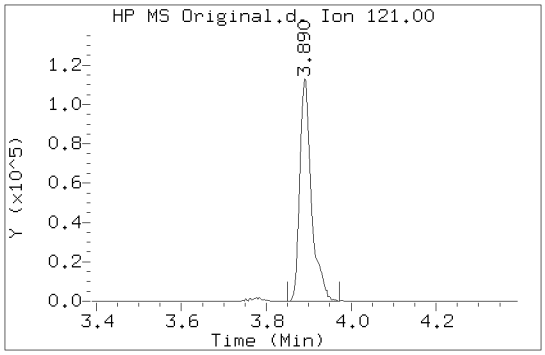
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MASS
119
AREA
659231
HEIGHT
352256
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04:41



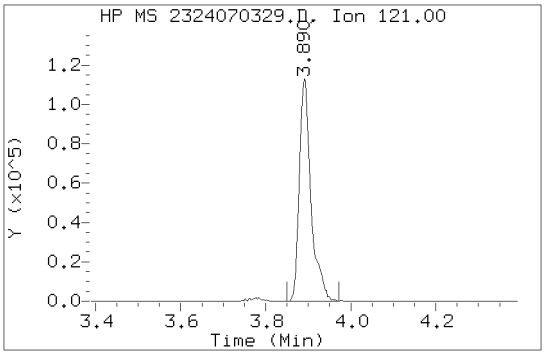
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119
AREA
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HEIGHT
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09-Jul-2024
13:26



BEFORE
MASS
121
AREA
212936
HEIGHT
112984
08-Jul-2024
04:41



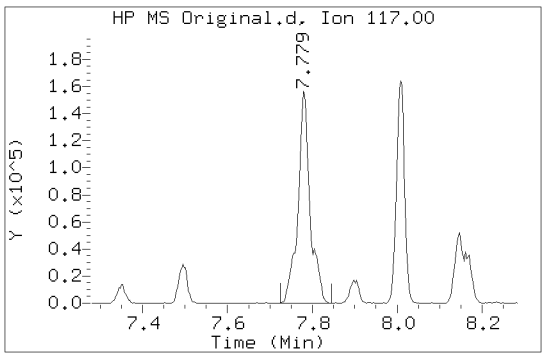
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09-Jul-2024
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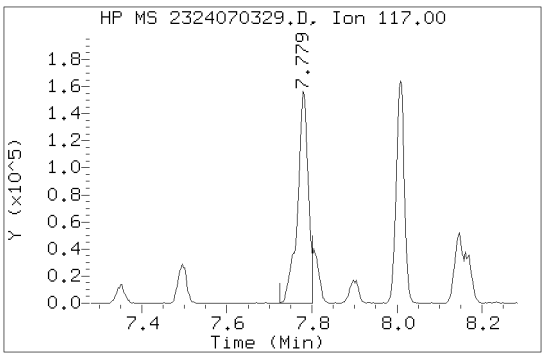
Pentachloroethane (76-01-7)

Reason Code: MP

BEFORE
MASS
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AREA
305954
HEIGHT
156544
08-Jul-2024
04:41



AFTER
MASS
117
AREA
271662
HEIGHT
156544
09-Jul-2024
13:26



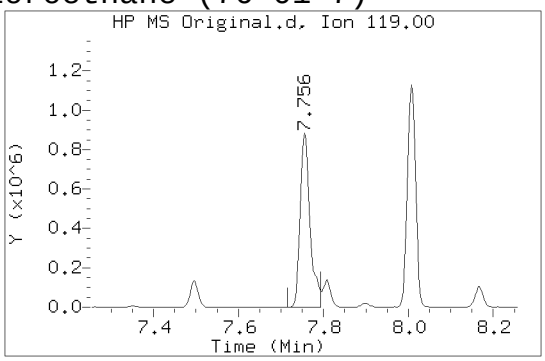
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Inj Date : 03-JUL-2024 19:28
InstruID : ms23.i
LabSampID : 1801

Pentachloroethane (76-01-7)

Reason Code: MP

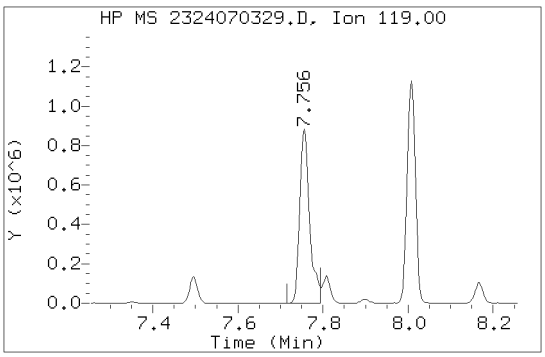
BEFORE

MASS
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AREA
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HEIGHT
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08-Jul-2024
04:41



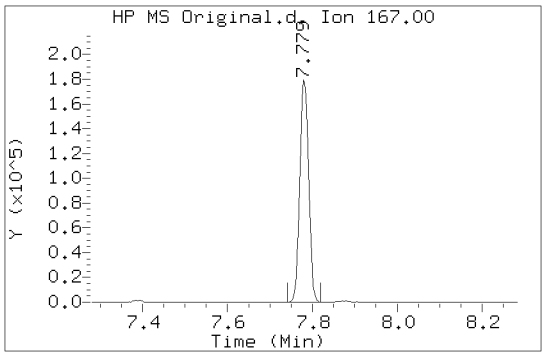
AFTER

MASS
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AREA
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09-Jul-2024
13:26



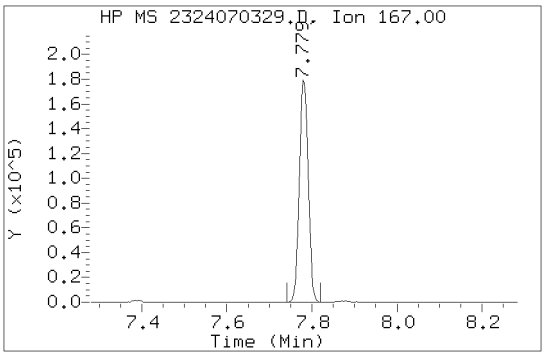
BEFORE

MASS
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AREA
255393
HEIGHT
179392
08-Jul-2024
04:41



AFTER

MASS
167
AREA
255393
HEIGHT
179392
09-Jul-2024
13:26



UNASSIGNED PEAK REPORT

Report Date: 07/09/2024 13:26
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms23.i/23_2024/23240703.b/232407032
Inj Date: 03-JUL-2024 19:28
Operator: TMP

There were no Unassigned peaks in this sample!

right solutions.
right partner.

Raw Data 25240625

Volatiles by EPA 8260D

Workorder

3366026

Client

ALS Houston

Project

AHH130|HS24061330

07/10/2024

www.alsglobal.com

Data File: 2524062500.D Page 1
Report Date: 25-Jun-2024 21:11

ALS Environmental Services

BFB Tune

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062500.D
Lab Smp Id: 1000
Inj Date : 25-JUN-2024 09:52
Operator : ILY Inst ID: ms25.i
Smp Info : 1000
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\bfb288.m
Meth Date : 13-Sep-2023 15:55 bsimms Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: NAMDTW7026

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)		
RT	EXP RT	REL RT	MASS	RESPONSE			TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
7.057	8.129	(0.000)	95	112296			0.00- 100.00	100.00
7.057	8.129	(0.000)	50	18776			15.00- 40.00	16.72
7.057	8.129	(0.000)	75	52448			30.00- 60.00	46.71
7.057	8.129	(0.000)	96	7984			5.00- 9.00	7.11
7.057	8.129	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
7.057	8.129	(0.000)	174	104984			50.00- 0.00	93.49
7.057	8.129	(0.000)	175	8844			5.00- 9.00	8.42
7.057	8.129	(0.000)	176	104216			95.00- 101.00	99.27
7.057	8.129	(0.000)	177	6298			5.00- 9.00	6.04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.72
75	30.00 - 60.00% of mass 95	46.71
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	93.49
175	5.00 - 9.00% of mass 174	7.88 (8.42)
176	95.00 - 101.00% of mass 174	92.80 (99.27)
177	5.00 - 9.00% of mass 176	5.61 (6.04)

Data File: 2524062500.D
Spectrum: Avg. Scans 1084-1086 (7.06), Background Scan 1077
Location of Maximum: 95.00
Number of points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	878	63.00	4033	91.00	717	135.00	206
37.00	4617	64.00	365	92.00	3363	137.00	282
38.00	4815	67.00	329	93.00	4897	141.00	1172
39.00	1768	68.00	10547	94.00	13036	142.00	251
40.00	333	69.00	10385	95.00	112296	143.00	1323
43.00	55	70.00	816	96.00	7984	146.00	154
44.00	630	72.00	618	97.00	360	148.00	374
45.00	922	73.00	5006	104.00	480	152.00	114
46.00	165	74.00	19224	105.00	186	154.00	79
47.00	1141	75.00	52448	106.00	451	155.00	261
48.00	668	76.00	4690	107.00	96	158.00	58
49.00	4345	77.00	434	111.00	71	159.00	58
50.00	18776	78.00	266	113.00	63	161.00	54
51.00	5851	79.00	3765	115.00	335	172.00	1160
52.00	298	80.00	1102	116.00	557	174.00	104984
55.00	297	81.00	3762	117.00	700	175.00	8844
56.00	2095	82.00	874	118.00	643	176.00	104216
57.00	2561	83.00	53	119.00	637	177.00	6298
58.00	199	86.00	72	123.00	59	178.00	54
59.00	87	87.00	4862	128.00	429	207.00	146
60.00	908	88.00	4831	129.00	125	251.00	59
61.00	5090	89.00	67	130.00	386		
62.00	4861	90.00	56	131.00	261		

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Inj Date : 25-JUN-2024 09:52
InstruID : ms25.i
LabSampID : 1000

NO MANUAL INTEGRATIONS

Data File: 2524062503.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062503.D
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Inj Date : 25-JUN-2024 11:03
Operator : ILY Inst ID: ms25.i
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Misc Info :
Comment :
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Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 3 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	7403	0.50000	0.609970(a)	
2 Chloromethane	50	1.644	1.645	(0.394)	7701	0.50000	0.611694(a)	
3 Vinyl Chloride	62	1.704	1.705	(0.409)	8472	0.50000	0.617487(a)	
4 Bromomethane	94	1.922	1.923	(0.461)	6439	0.50000	0.549339(a)	
5 Chloroethane	64	2.004	2.005	(0.481)	7553	0.50000	0.512149(a)	
6 Pentane	41	2.091	2.092	(0.502)	13487	0.50000	0.552296(aQ)	
7 Trichlorofluoromethane	101	2.097	2.103	(0.503)	11132	0.50000	0.592347(a)	
8 Dichlorofluoromethane	67	2.124	2.125	(0.509)	7544	0.50000	0.433835(a)	
9 Ethyl Ether	74	2.272	2.278	(0.545)	2339	0.50000	0.442329(aQ)	
10 1,1-Dichloroethene	61	2.413	2.409	(0.579)	4727	0.50000	0.447977(a)	
11 Freon 113	101	2.435	2.425	(0.584)	3186	0.50000	0.429279(a)	
12 Carbon Disulfide	76	2.446	2.447	(0.587)	10727	0.50000	0.471259(a)	
13 Iodomethane	127	2.506	2.507	(0.601)	1008	0.50000	0.755321(a)	
14 Acrolein	56	2.599	2.600	(0.623)	4363	2.50000	2.56343	
15 Isopropyl Alcohol	45	2.653	2.654	(0.636)	3328	2.50000	2.88058	
16 3-Chloro-1-propene	41	2.686	2.676	(0.644)	3005	0.50000	0.499977(a)	
17 Methylene Chloride	84	2.741	2.741	(0.657)	3732	0.50000	0.432985(a)	
18 Acetone	58	2.757	2.752	(0.661)	2467	2.50000	2.58339(Q)	
19 Methyl acetate	74	2.817	2.812	(0.676)	2035	0.50000	0.623791(aQ)	
20 trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	4448	0.50000	0.430387(a)	
21 Hexane	57	2.861	2.867	(0.686)	15367	0.50000	0.605676(a)	

Data File: 2524062503.D
Report Date: 25-Jun-2024 19:32

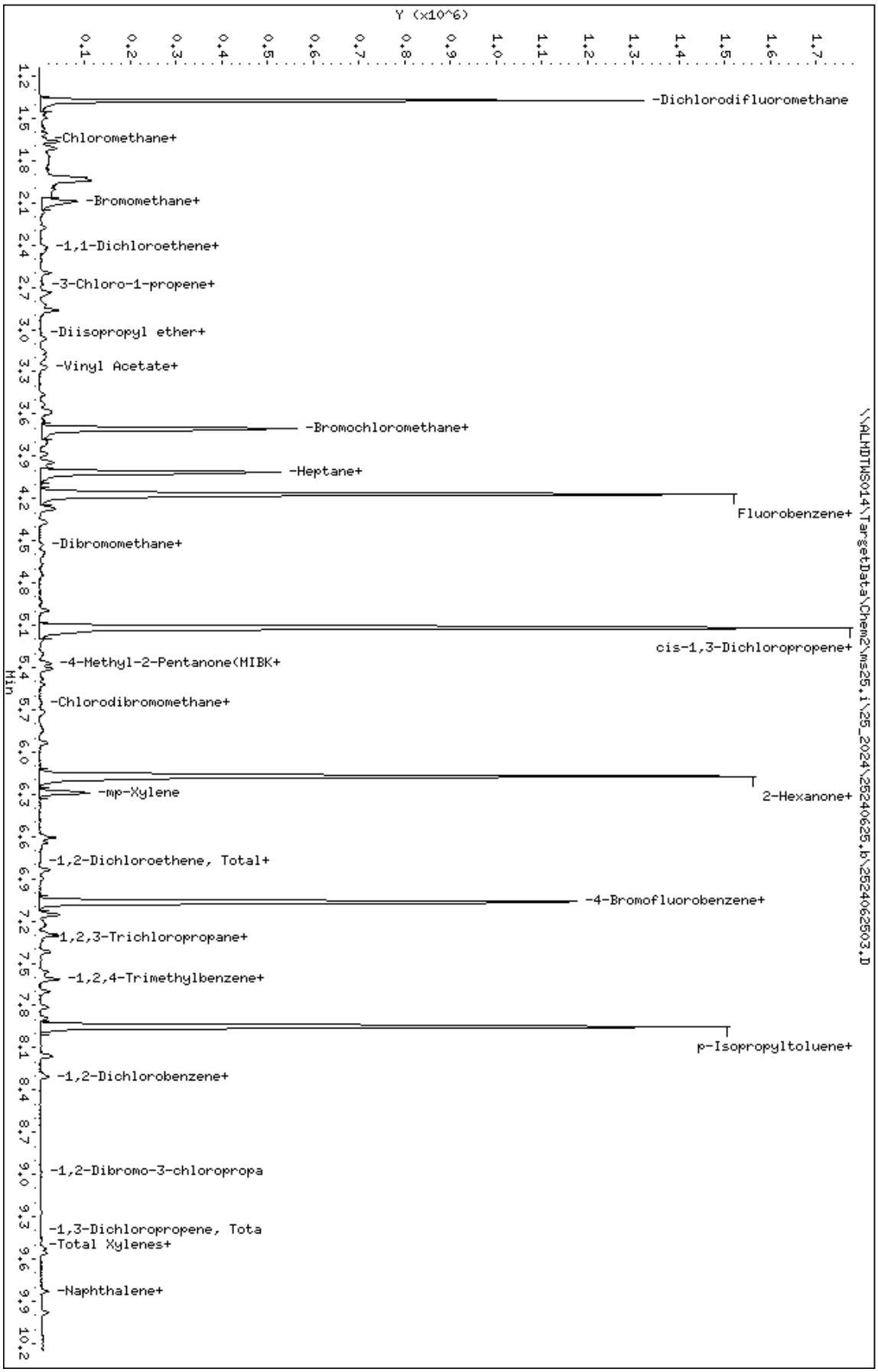
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.877	2.872	(0.690)	9076	0.50000	0.571782(aQ)	
	23 tert.- Butyl Alcohol	59	2.894	2.889	(0.694)	2093	2.50000	2.19551	
	24 Acetonitrile	41	3.019	3.020	(0.724)	2461	2.50000	2.30464(QM)	MP
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	9459	0.50000	0.412394(a)	
	26 Chloroprene	53	3.150	3.156	(0.755)	4938	0.50000	0.424640(a)	
	27 1,1-Dichloroethane	63	3.166	3.167	(0.759)	5914	0.50000	0.420026(aM)	IH
	28 Acrylonitrile	53	3.188	3.194	(0.765)	7287	2.50000	1.98720(M)	MP
	29 Ethyl tert-butyl ether	59	3.259	3.265	(0.782)	9807	0.50000	0.402571(a)	
	30 n-Propanol	41	3.265	3.260	(0.783)	2592	5.00000	5.73610(Q)	
	31 Vinyl Acetate	86	3.270	3.276	(0.784)	715	0.50000	0.677670(aQ)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	4439	0.50000	0.423607(a)	
	33 2,2-Dichloropropane	77	3.527	3.522	(0.846)	5081	0.50000	0.452773(aM)	H
	34 Bromochloromethane	128	3.576	3.576	(0.857)	1835	0.50000	0.406063(aQ)	
	35 Cyclohexane	84	3.592	3.587	(0.861)	6021	0.50000	0.478859(aQ)	
	36 Chloroform	83	3.603	3.598	(0.864)	6590	0.50000	0.433555(a)	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	6710	0.50000	0.651771(a)	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	3888	0.50000	0.460758(a)	
	39 Carbon Tetrachloride	117	3.696	3.696	(0.886)	2612	0.50000	0.647639(aM)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	251888	30.0000	29.1045	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	6336	2.50000	2.45613	
	42 1,1,1-Trichloroethane	97	3.739	3.740	(0.897)	4628	0.50000	0.391178(a)	
	43 2-Butanone	72	3.761	3.767	(0.902)	2817	2.50000	2.25888(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	5113	0.50000	0.456885(a)	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	4277	0.50000	0.594302(aQ)	
	46 Heptane	71	3.887	3.887	(0.932)	3571	0.50000	0.549236(aQ)	
	47 Benzene	78	3.941	3.942	(0.945)	17284	0.50000	0.502483(a)	
	48 Propionitrile	54	3.941	3.942	(0.945)	2748	2.50000	1.97899(Q)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	2086	0.50000	0.501131(aQM)	H
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	9972	0.50000	0.424059(a)	
	54 Isobutyl alcohol	42	3.985	3.980	(0.956)	394	5.00000	5.86342(QM)	H
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	282446	30.0000	30.9588	
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	5311	0.50000	0.491166(aQ)	
	53 tert-Amyl Alcohol	59	4.061	4.062	(0.974)	1627	2.50000	2.22445	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1096864	30.0000		
	56 Diisobutylene	57	4.170	4.171	(1.000)	44441	0.50000	0.646847(aQ)	
	57 Trichloroethene	95	4.263	4.269	(1.022)	4490	0.50000	0.515766(aQM)	H
	58 Methyl cyclohexane	83	4.269	4.275	(0.692)	6441	0.50000	0.481087(a)	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	7238	0.50000	0.613047(a)	
	60 Dibromomethane	93	4.525	4.526	(1.085)	2382	0.50000	0.432826(aQ)	
	61 1,2-Dichloropropane	63	4.580	4.586	(1.098)	3551	0.50000	0.428936(aQM)	H
	62 Bromodichloromethane	83	4.612	4.607	(1.106)	3592	0.50000	0.639622(a)	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	2494	0.50000	0.380651(aM)	IH
	64 1,4-Dioxane	88	4.716	4.722	(1.131)	1683	12.5000	13.1326(Q)	
	65 2-Chloroethylvinyl ether	63	4.940	4.935	(1.184)	1903	0.50000	0.682108(aM)	IH
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	4396	0.50000	0.594491(a)	
	67 Octane	85	5.000	5.000	(0.810)	2623	0.50000	0.516704(a)	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1019938	30.0000	31.2109	
	69 Toluene	92	5.147	5.153	(0.834)	11878	0.50000	0.573470(a)	
	70 Chloroacetonitrile	75	5.213	5.208	(0.844)	1271	2.50000	2.46156(QM)	H
	71 2-Nitropropane	41	5.294	5.300	(0.858)	3617	2.50000	3.45024(Q)	
	72 1,1-Dichloro-2-Propanone	63	5.311	5.317	(0.860)	307	2.50000	3.32513(QM)	H
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	15196	2.50000	2.86001	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	4340	0.50000	0.630336(a)	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	3437	0.50000	0.455706(a)	

Data File: 2524062503.D Page 3
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.480	5.481	(0.888)	3766	0.50000	0.615569(aM)	H
	77 1,1,2-Trichloroethane	83	5.518	5.524	(0.894)	2588	0.50000	0.406674(a)	
	78 Chlorodibromomethane	129	5.655	5.650	(0.916)	2392	0.50000	0.631711(a)	
	79 1,3-Dichloropropane	76	5.709	5.710	(0.925)	5196	0.50000	0.413250(a)	
	80 1,2-Dibromoethane	107	5.835	5.830	(0.945)	2751	0.50000	0.557407(a)	
	81 2-Hexanone	43	5.938	5.933	(0.962)	9727	2.50000	2.83510	
	82 1-Chlorohexane	91	6.140	6.146	(0.995)	5263	0.50000	0.483003(aQ)	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	412754	30.0000		
	84 Chlorobenzene	112	6.184	6.184	(1.002)	9263	0.50000	0.438849(a)	
	85 Ethylbenzene	106	6.189	6.190	(1.003)	9240	0.50000	0.616459(a)	
	86 1,1,1,2-Tetrachloroethane	131	6.217	6.223	(1.007)	2323	0.50000	0.607596(a)	
	87 mp-Xylene	106	6.293	6.288	(1.019)	30052	1.00000	1.27466	
	88 o-Xylene	106	6.604	6.610	(1.070)	8690	0.50000	0.618661(a)	
	89 Styrene	104	6.648	6.648	(0.836)	7432	0.50000	0.629733(aM)	MP
	90 Bromoform	173	6.686	6.686	(0.841)	2337	0.50000	0.734051(aM)	IH
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	13069	0.50000	0.562869(a)	
M	100 1,2-Dichloroethene, Total	61				8887	1.00000	0.853994(a)	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	319075	30.0000	31.0197	
	93 Bromobenzene	156	7.155	7.156	(0.900)	3974	0.50000	0.452058(a)	
	94 n-Propylbenzene	120	7.161	7.156	(0.901)	4608	0.50000	0.512609(a)	
	95 1,1,2,2-Tetrachloroethane	83	7.199	7.205	(0.905)	3602	0.50000	0.412247(aM)	IH
	96 o-Chlorotoluene	91	7.291	7.292	(0.917)	10588	0.50000	0.447681(a)	
	97 1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	12483	0.50000	0.498960(a)	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	1088	0.50000	0.386077(aQ)	
	99 trans-1,4-Dichloro-2-butene	53	7.341	7.341	(0.923)	1054	0.50000	0.681032(aQM)	H
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	9948	0.50000	0.464370(a)	
	102 tert-Butylbenzene	134	7.564	7.559	(0.951)	2578	0.50000	0.430850(aQ)	
	103 Pentachloroethane	117	7.581	7.581	(0.953)	2125	0.50000	0.643645(aM)	H
	104 1,2,4-Trimethylbenzene	105	7.613	7.614	(0.957)	20714	0.50000	0.631945(a)	
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	13973	0.50000	0.451901(a)	
	106 p-Isopropyltoluene	134	7.815	7.816	(0.983)	2976	0.50000	0.420291(a)	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	6216	0.50000	0.419711(a)	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	371816	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	7283	0.50000	0.471776(aQ)	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	736	0.50000	0.666636(aQM)	IH
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	3668	0.50000	0.554323(aQ)	
	112 Hexachloroethane	117	8.295	8.285	(1.043)	1752	0.50000	0.716686(aM)	IH
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	5854	0.50000	0.414954(a)	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	380	0.50000	0.639575(aQM)	IH
	115 Nitrobenzene	77	9.469	9.464	(1.191)	1713	5.00000	3.55791	
	116 Hexachlorobutadiene	225	9.523	9.524	(1.198)	1952	0.50000	0.667720(aM)	IH
M	120 1,3-Dichloropropene, Total	75				8736	1.00000	1.22483	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	4177	0.50000	0.447095(a)	
M	121 Total Xylenes	106				38742	1.50000	1.89332	
	118 Naphthalene	128	9.829	9.829	(1.236)	10056	0.50000	0.684099(a)	
	119 1,2,3-Trichlorobenzene	180	9.981	9.982	(1.255)	3948	0.50000	0.665965(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



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Column phase: DB-VRX

Instrument: ms25.i
Operator: ILY
Column diameter: 0.25

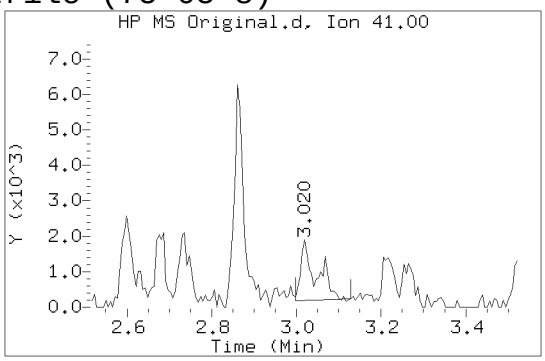
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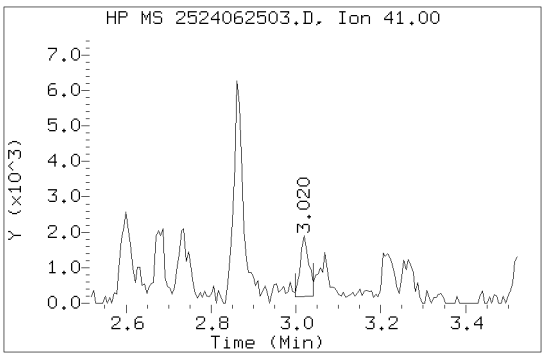
Acetonitrile (75-05-8)

Reason Code: MP

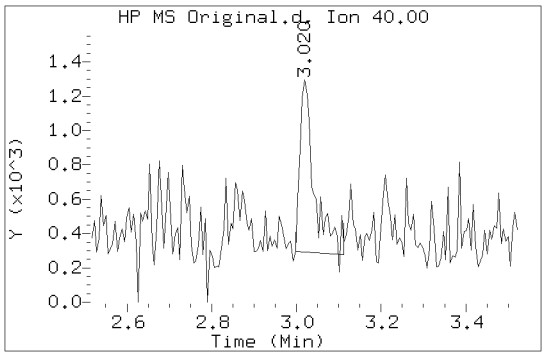
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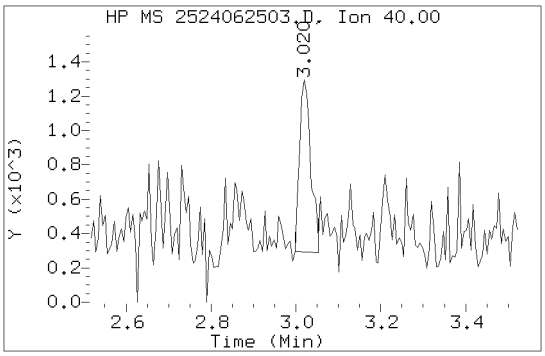
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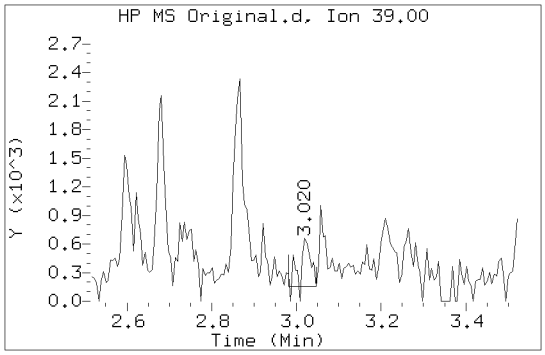
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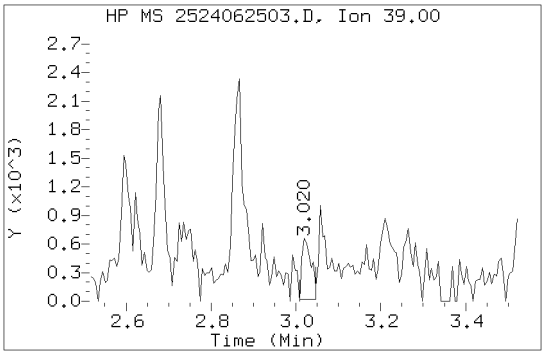
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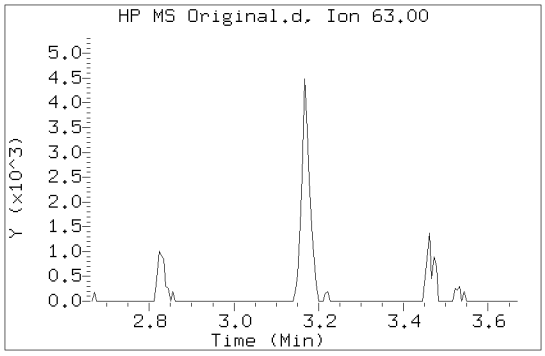
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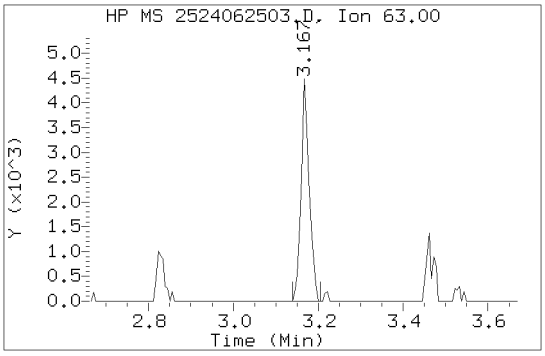
1,1-Dichloroethane (75-34-3)

Reason Code: IH

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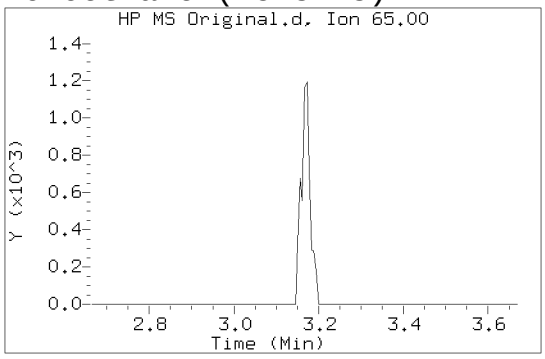


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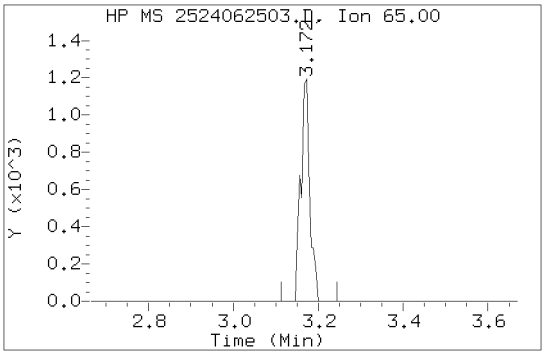
1,1-Dichloroethane (75-34-3)

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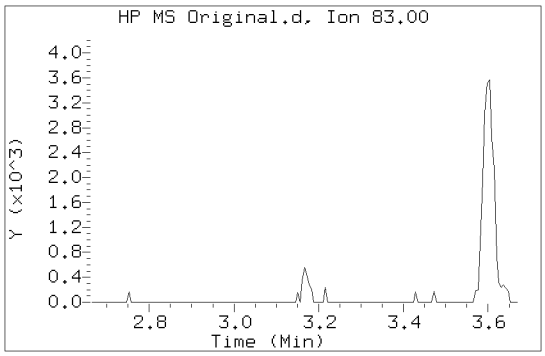
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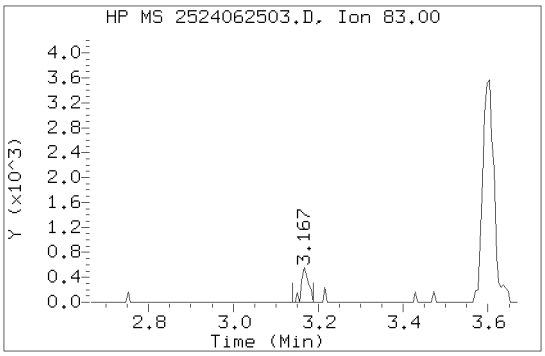
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18:50



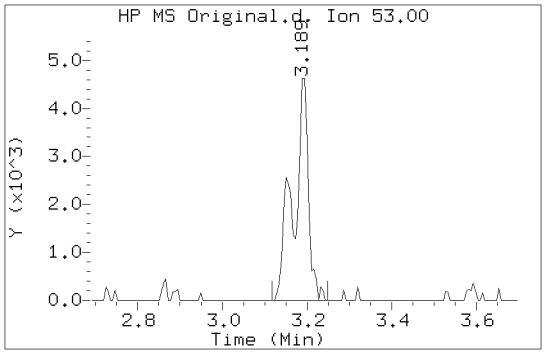
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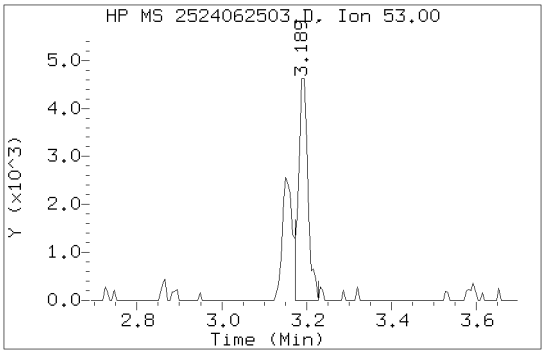
Acrylonitrile (107-13-1)

Reason Code: MP

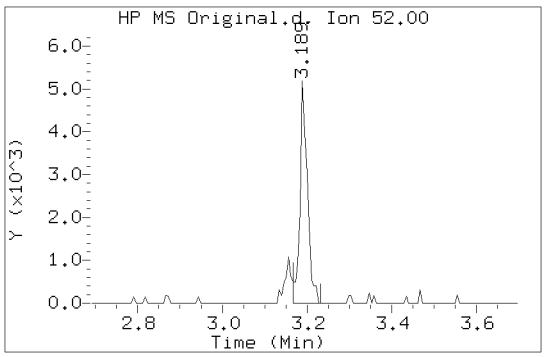
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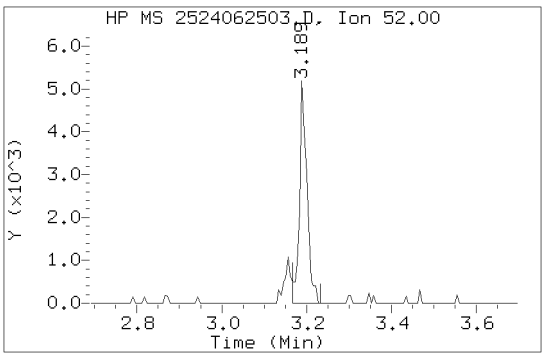
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BEFORE
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AFTER
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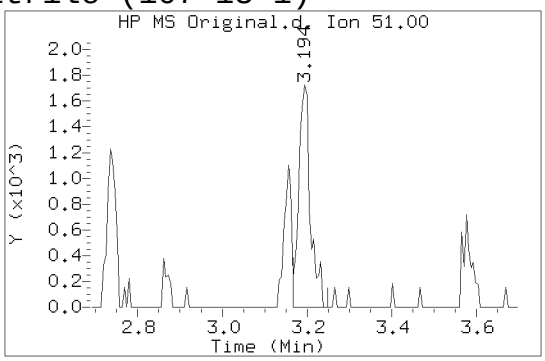


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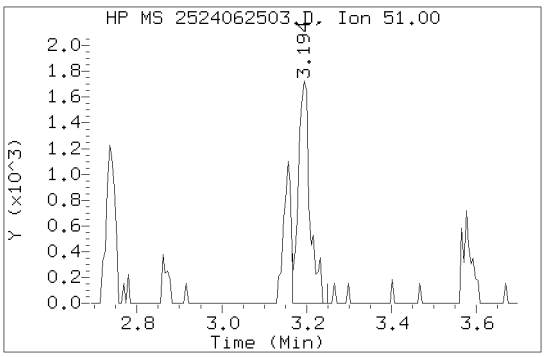
Acrylonitrile (107-13-1)

Reason Code: MP

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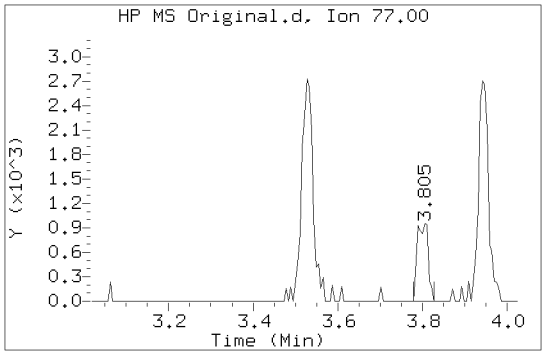
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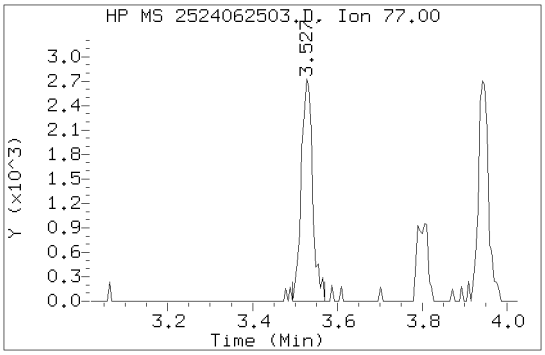
2,2-Dichloropropane (594-20-7)

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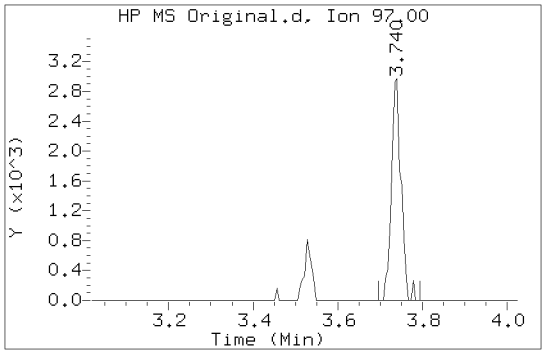
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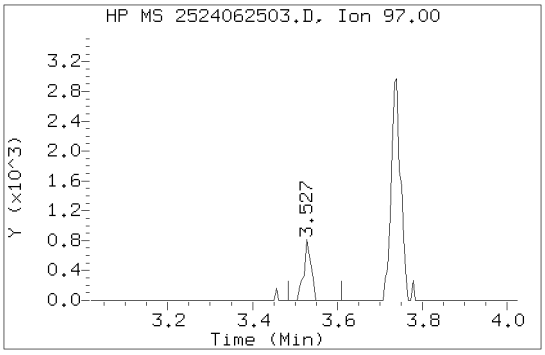
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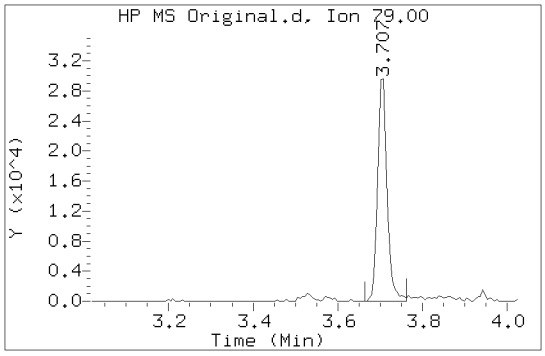
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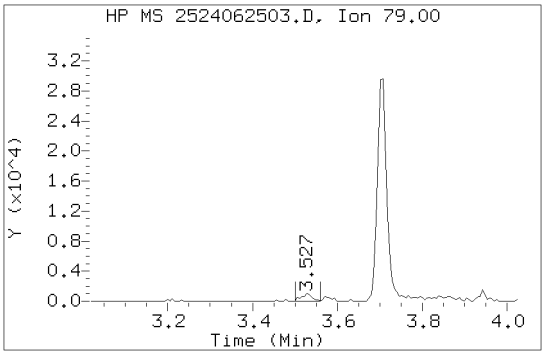
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BEFORE
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AFTER
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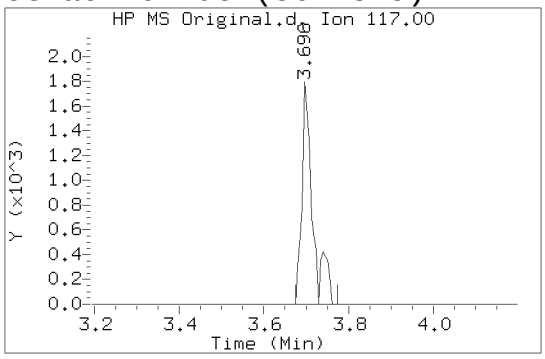


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LabSampID : VSTD00.5

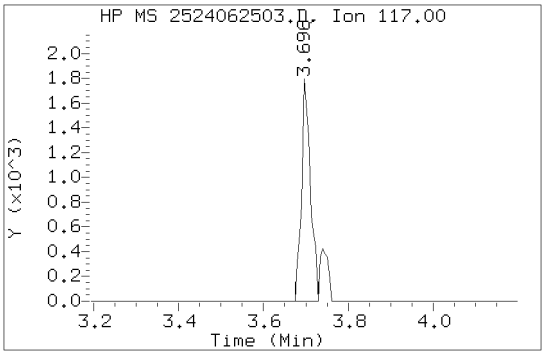
Carbon Tetrachloride (56-23-5)

Reason Code: MP

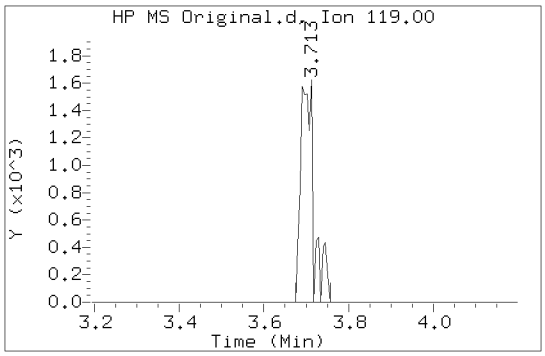
BEFORE
MASS
117
AREA
3171
HEIGHT
1795
25-Jun-2024
18:50



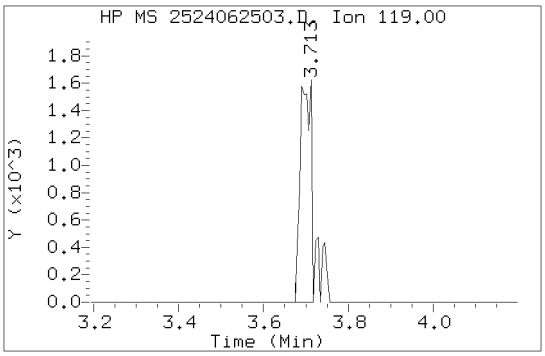
AFTER
MASS
117
AREA
2612
HEIGHT
1795
25-Jun-2024
19:32



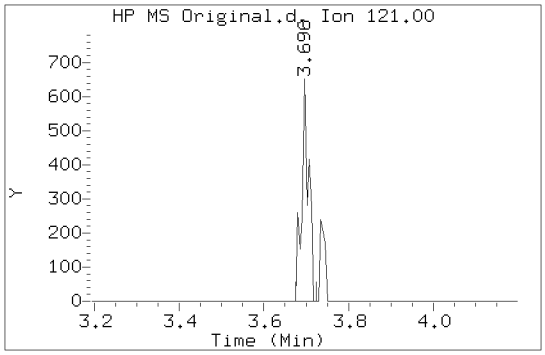
BEFORE
MASS
119
AREA
3504
HEIGHT
1624
25-Jun-2024
18:50



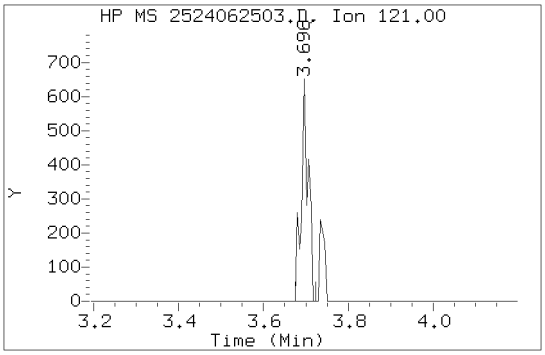
AFTER
MASS
119
AREA
2860
HEIGHT
1624
25-Jun-2024
19:32



BEFORE
MASS
121
AREA
747
HEIGHT
652
25-Jun-2024
18:50



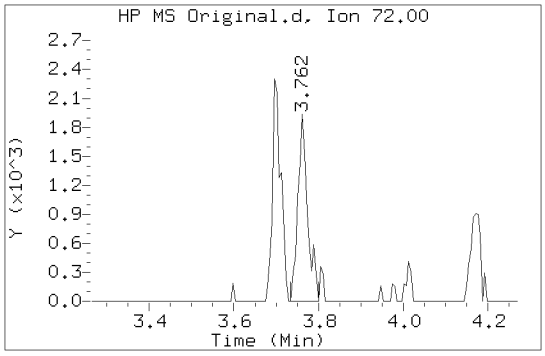
AFTER
MASS
121
AREA
747
HEIGHT
652
25-Jun-2024
19:32



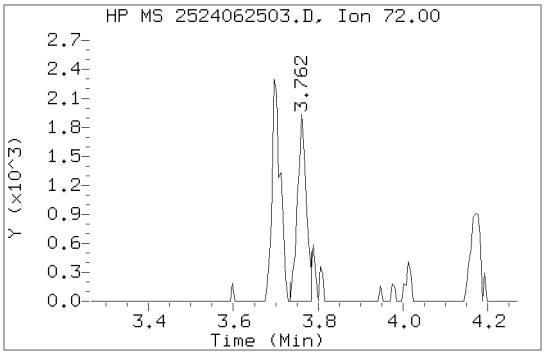
2-Butanone (78-93-3)

Reason Code: MP

BEFORE
MASS
72
AREA
3100
HEIGHT
1940
25-Jun-2024
18:50



AFTER
MASS
72
AREA
2817
HEIGHT
1940
25-Jun-2024
19:32

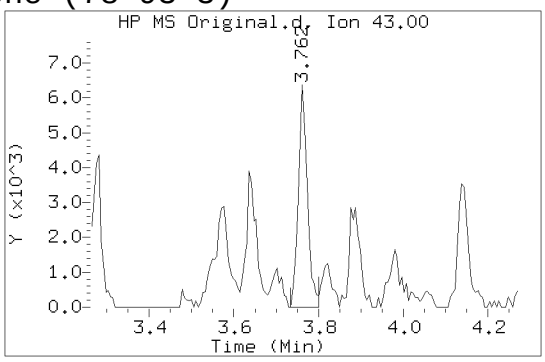


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InstruID : ms25.i
LabSampID : VSTD00.5

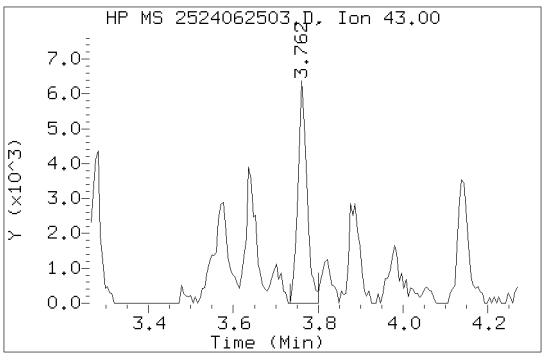
2-Butanone (78-93-3)

Reason Code: MP

BEFORE
MASS
43
AREA
9470
HEIGHT
6373
25-Jun-2024
18:50



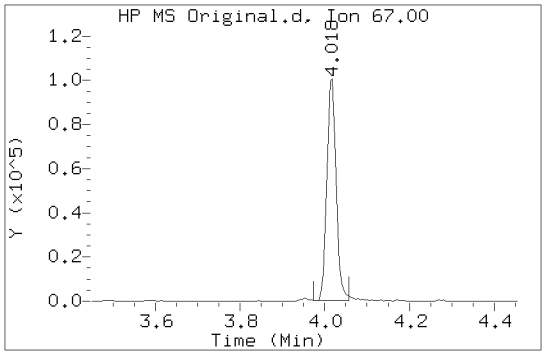
AFTER
MASS
43
AREA
9470
HEIGHT
6373
25-Jun-2024
19:32



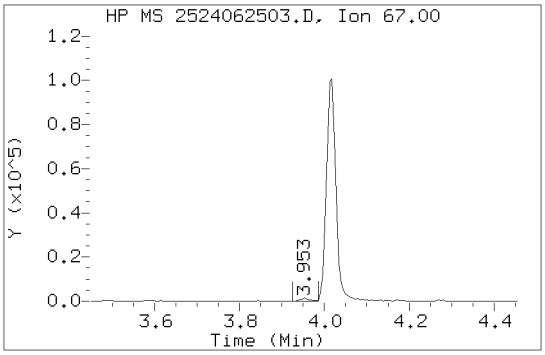
Methacrylonitrile (126-98-7)

Reason Code: H

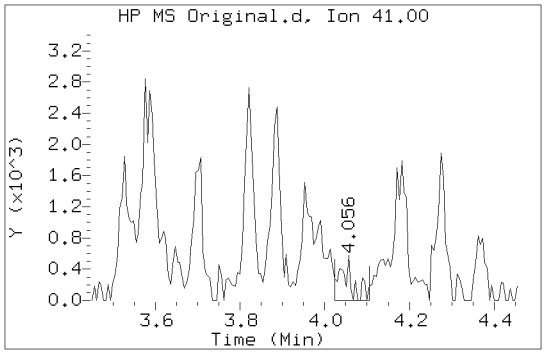
BEFORE
MASS
67
AREA
151134
HEIGHT
100353
25-Jun-2024
18:50



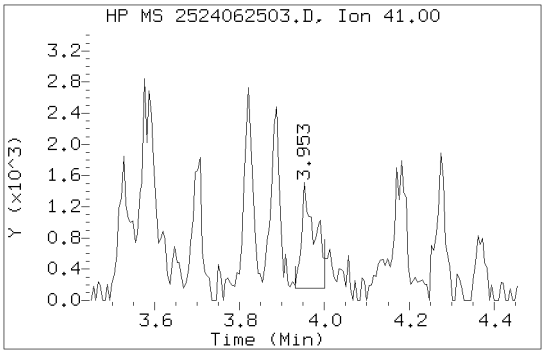
AFTER
MASS
67
AREA
2086
HEIGHT
1381
25-Jun-2024
19:32



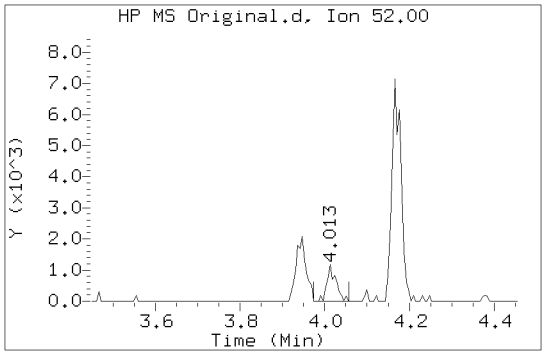
BEFORE
MASS
41
AREA
1170
HEIGHT
573
25-Jun-2024
18:50



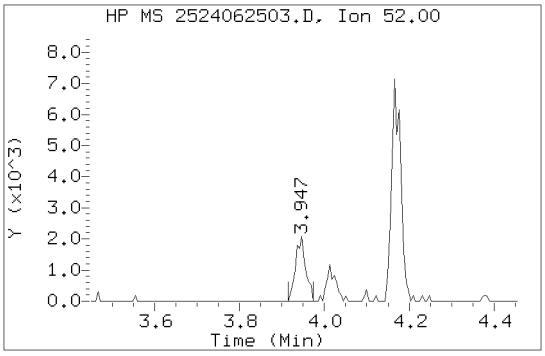
AFTER
MASS
41
AREA
2974
HEIGHT
1355
25-Jun-2024
19:32



BEFORE
MASS
52
AREA
1694
HEIGHT
1178
25-Jun-2024
18:50



AFTER
MASS
52
AREA
3467
HEIGHT
2088
25-Jun-2024
19:32

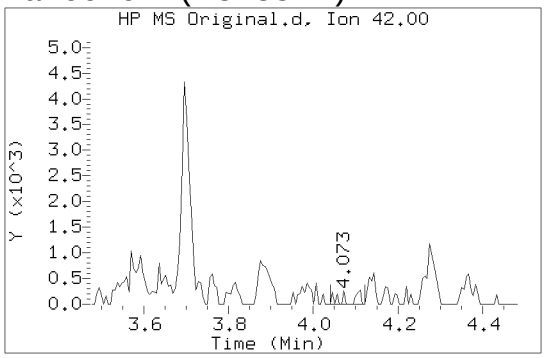


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LabSampID : VSTD00.5

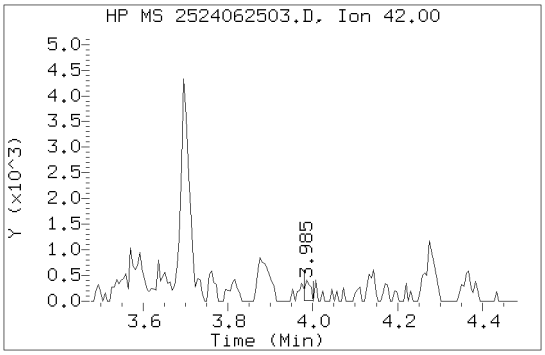
Isobutyl alcohol (78-83-1)

Reason Code: H

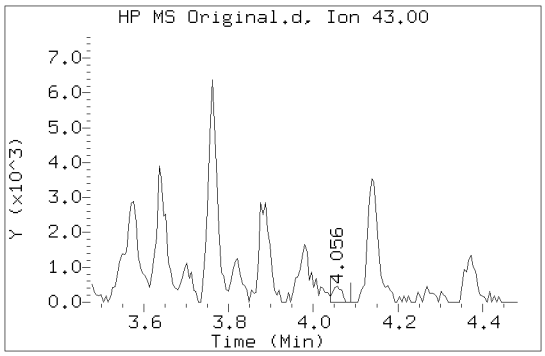
BEFORE
MASS
42
AREA
442
HEIGHT
269
25-Jun-2024
18:50



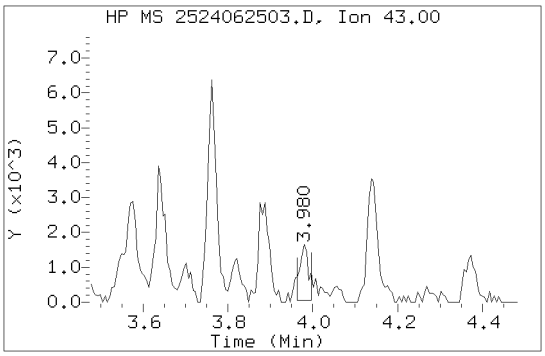
AFTER
MASS
42
AREA
394
HEIGHT
411
25-Jun-2024
19:32



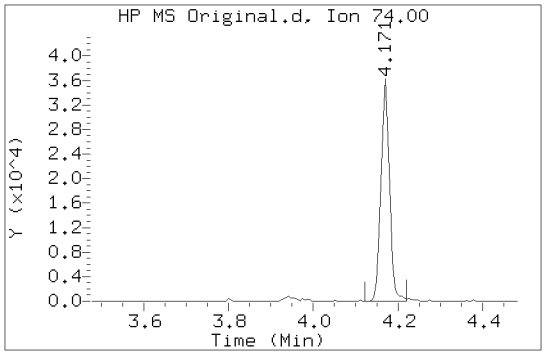
BEFORE
MASS
43
AREA
701
HEIGHT
454
25-Jun-2024
18:50



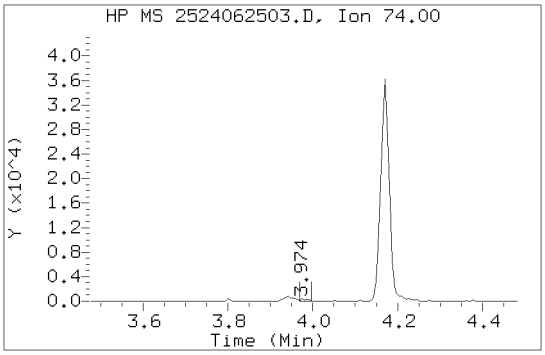
AFTER
MASS
43
AREA
2339
HEIGHT
1609
25-Jun-2024
19:32



BEFORE
MASS
74
AREA
50301
HEIGHT
36256
25-Jun-2024
18:50



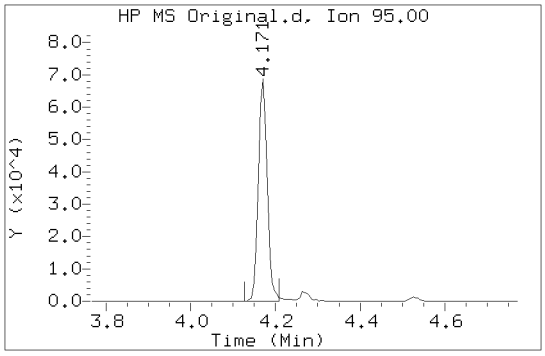
AFTER
MASS
74
AREA
400
HEIGHT
443
25-Jun-2024
19:32



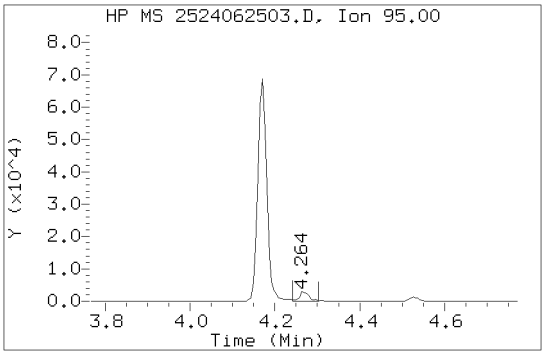
Trichloroethene (79-01-6)

Reason Code: H

BEFORE
MASS
95
AREA
100436
HEIGHT
68728
25-Jun-2024
18:50



AFTER
MASS
95
AREA
4490
HEIGHT
3049
25-Jun-2024
19:32

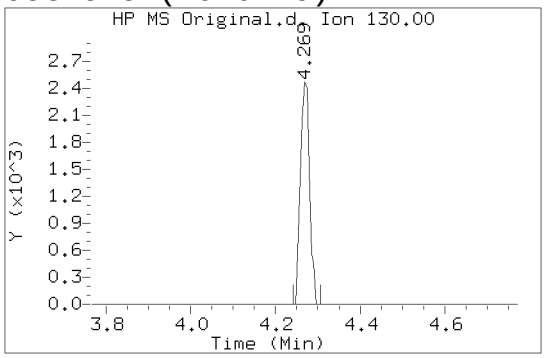


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LabSampID : VSTD00.5

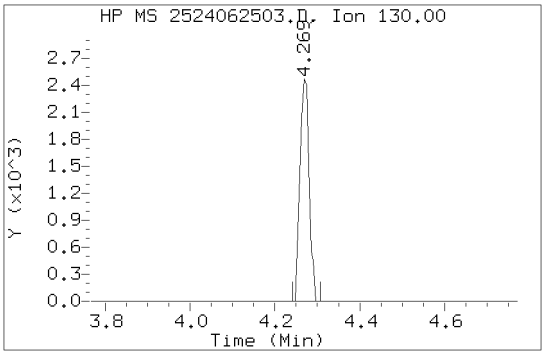
Trichloroethene (79-01-6)

Reason Code: H

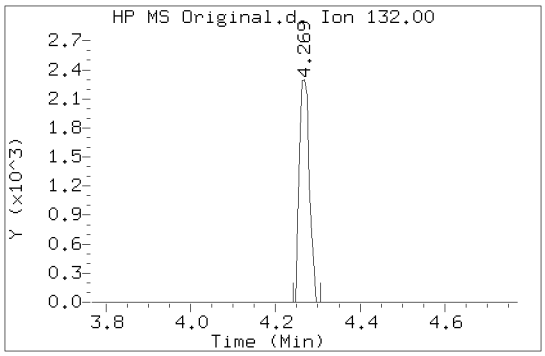
BEFORE
MASS
130
AREA
3727
HEIGHT
2468
25-Jun-2024
18:50



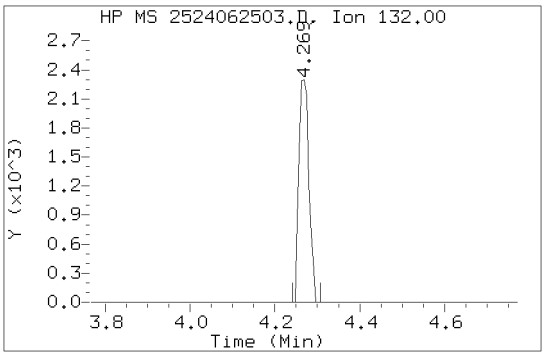
AFTER
MASS
130
AREA
3727
HEIGHT
2468
25-Jun-2024
19:32



BEFORE
MASS
132
AREA
3832
HEIGHT
2296
25-Jun-2024
18:50



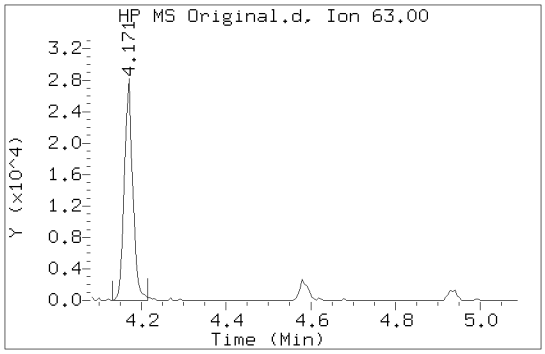
AFTER
MASS
132
AREA
3832
HEIGHT
2296
25-Jun-2024
19:32



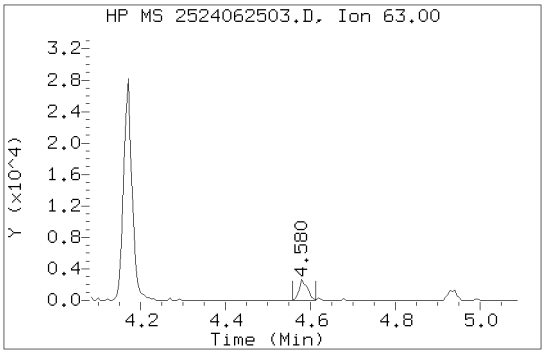
1,2-Dichloropropane (78-87-5)

Reason Code: H

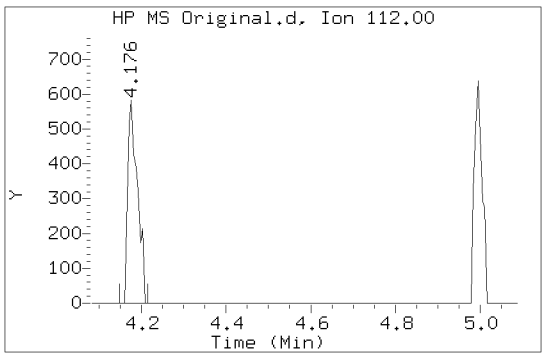
BEFORE
MASS
63
AREA
39289
HEIGHT
28192
25-Jun-2024
18:50



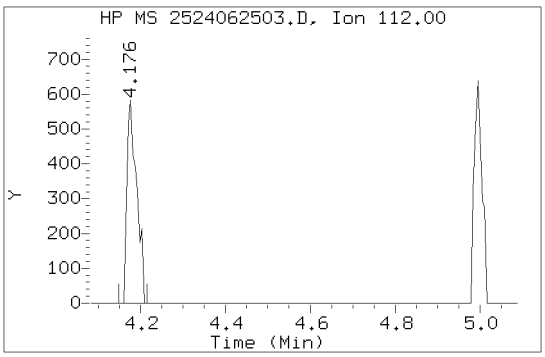
AFTER
MASS
63
AREA
3551
HEIGHT
2696
25-Jun-2024
19:32



BEFORE
MASS
112
AREA
932
HEIGHT
583
25-Jun-2024
18:50



AFTER
MASS
112
AREA
932
HEIGHT
583
25-Jun-2024
19:32

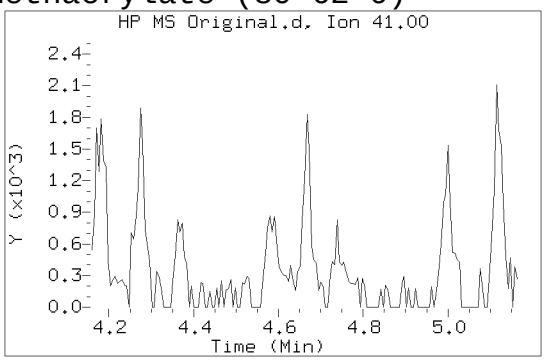


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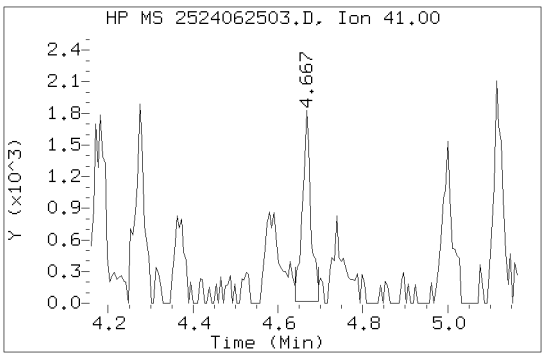
Methyl methacrylate (80-62-6)

Reason Code: IH

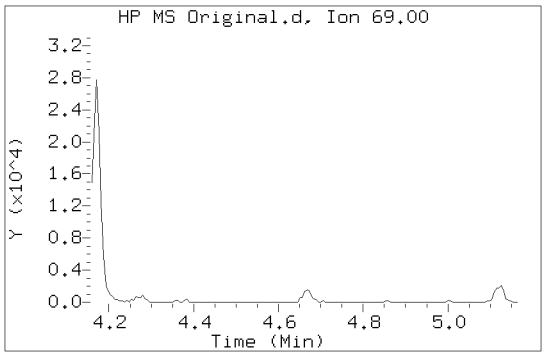
BEFORE
MASS
41
AREA
0
HEIGHT
0
25-Jun-2024
18:50



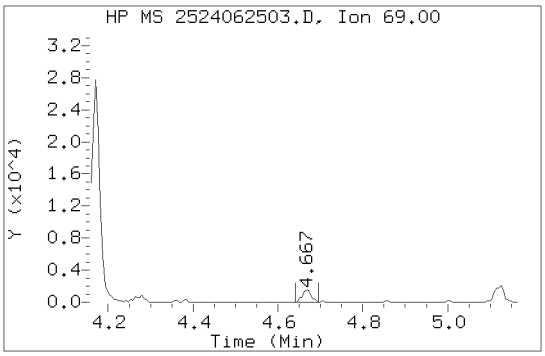
AFTER
MASS
41
AREA
2494
HEIGHT
1807
25-Jun-2024
19:32



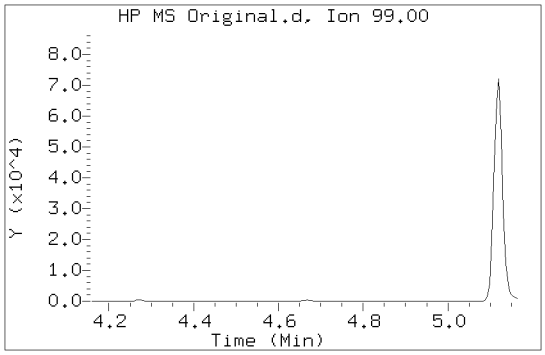
BEFORE
MASS
69
AREA
0
HEIGHT
0
25-Jun-2024
18:50



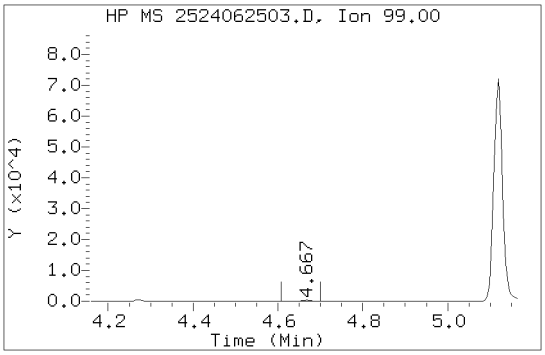
AFTER
MASS
69
AREA
2267
HEIGHT
1535
25-Jun-2024
19:32



BEFORE
MASS
99
AREA
0
HEIGHT
0
25-Jun-2024
18:50



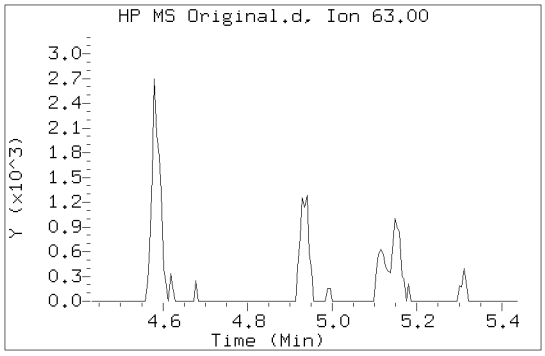
AFTER
MASS
99
AREA
362
HEIGHT
347
25-Jun-2024
19:32



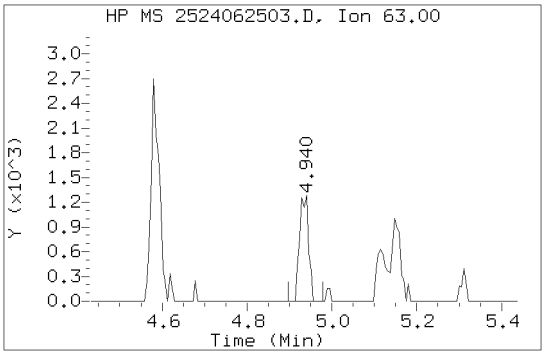
2-Chloroethylvinyl ether (110-75-8)

Reason Code: IH

BEFORE
MASS
63
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
63
AREA
1903
HEIGHT
1284
25-Jun-2024
19:32

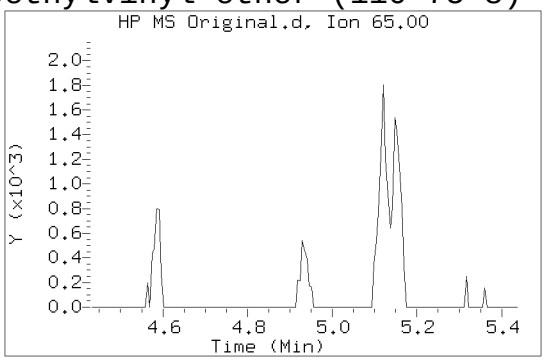


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LabSampID : VSTD00.5

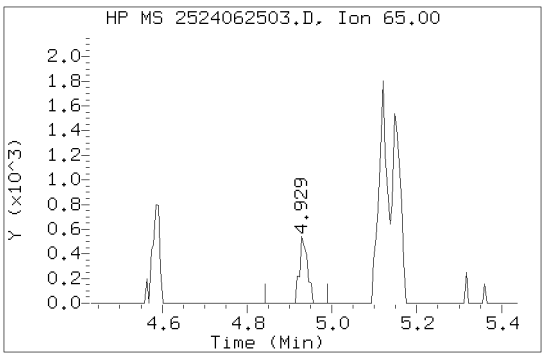
2-Chloroethylvinyl ether (110-75-8)

Reason Code: IH

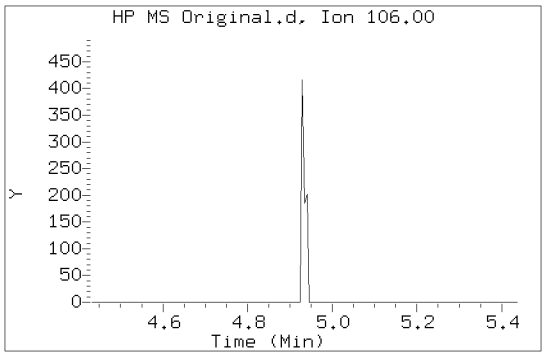
BEFORE
MASS
65
AREA
0
HEIGHT
0
25-Jun-2024
18:50



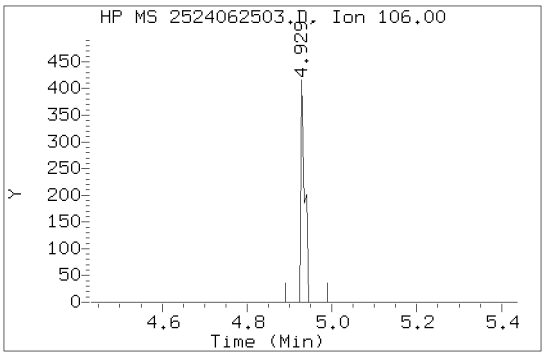
AFTER
MASS
65
AREA
708
HEIGHT
543
25-Jun-2024
19:32



BEFORE
MASS
106
AREA
0
HEIGHT
0
25-Jun-2024
18:50



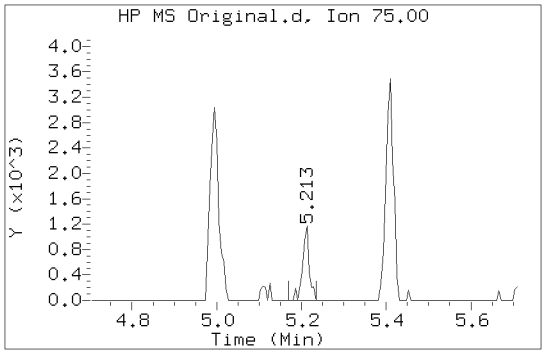
AFTER
MASS
106
AREA
262
HEIGHT
416
25-Jun-2024
19:32



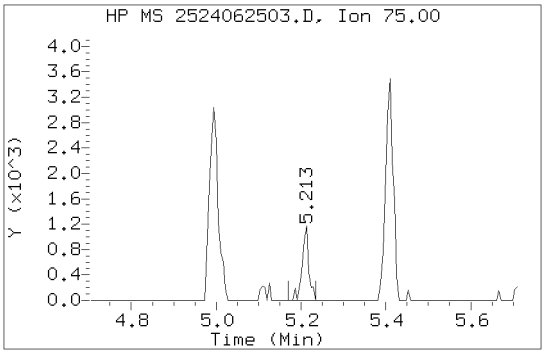
Chloroacetonitrile (107-14-2)

Reason Code: H

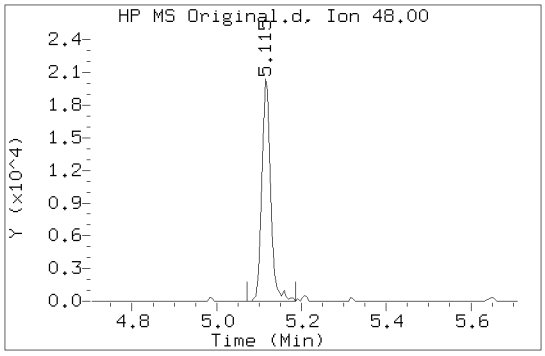
BEFORE
MASS
75
AREA
1271
HEIGHT
1174
25-Jun-2024
18:50



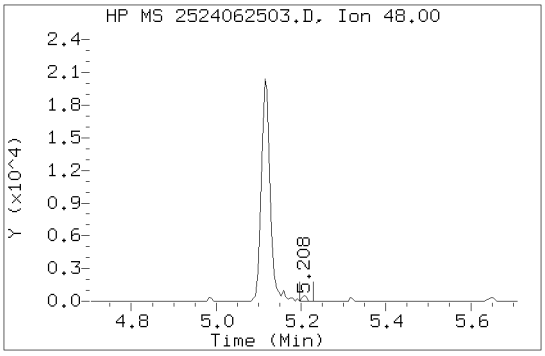
AFTER
MASS
75
AREA
1271
HEIGHT
1174
25-Jun-2024
19:32



BEFORE
MASS
48
AREA
29612
HEIGHT
20416
25-Jun-2024
18:50



AFTER
MASS
48
AREA
388
HEIGHT
520
25-Jun-2024
19:32

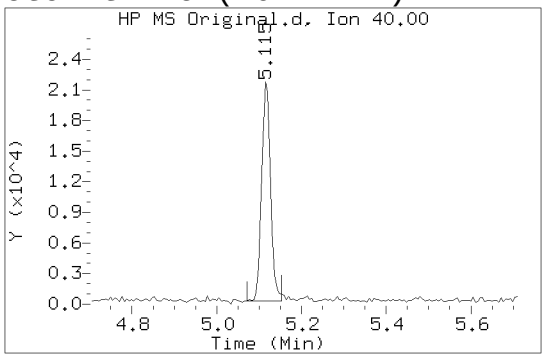


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InstruID : ms25.i
LabSampID : VSTD00.5

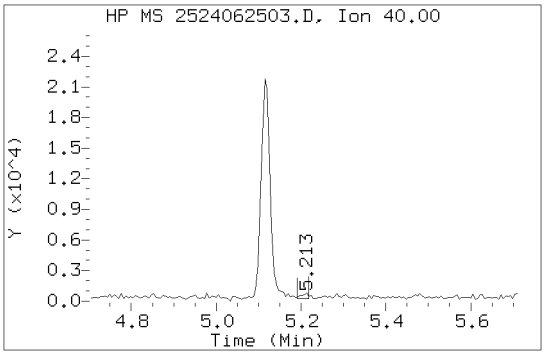
Chloroacetonitrile (107-14-2)

Reason Code: H

BEFORE
MASS
40
AREA
31606
HEIGHT
21477
25-Jun-2024
18:50



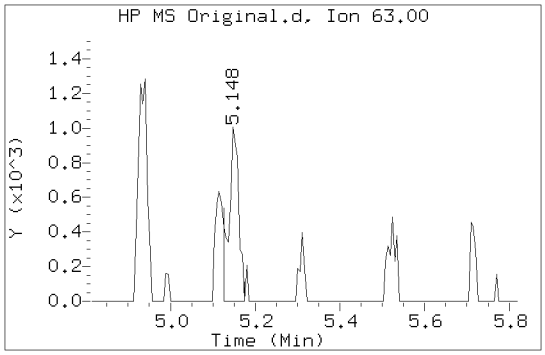
AFTER
MASS
40
AREA
602
HEIGHT
530
25-Jun-2024
19:32



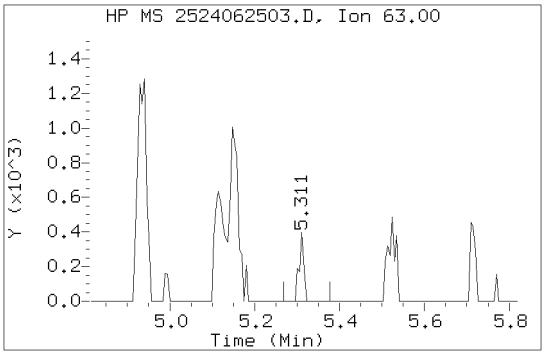
1,1-Dichloro-2-Propanone (513-88-2)

Reason Code: H

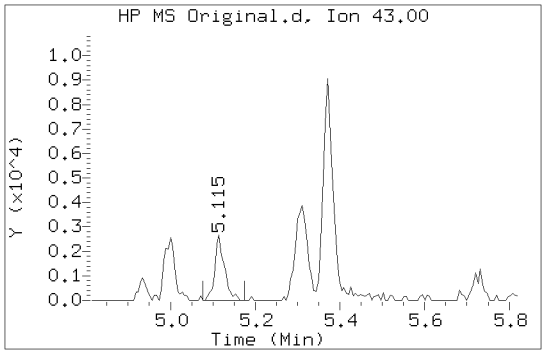
BEFORE
MASS
63
AREA
1657
HEIGHT
1005
25-Jun-2024
18:50



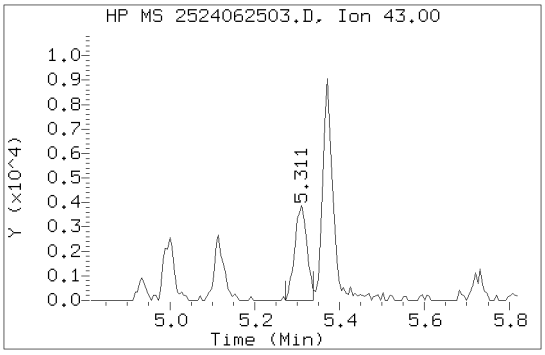
AFTER
MASS
63
AREA
307
HEIGHT
397
25-Jun-2024
19:32



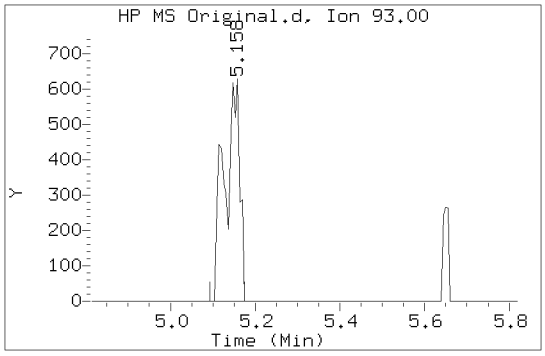
BEFORE
MASS
43
AREA
4212
HEIGHT
2670
25-Jun-2024
18:50



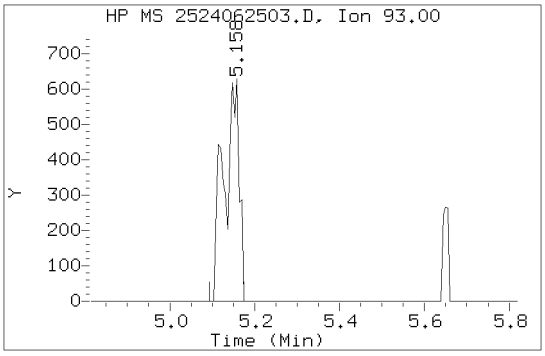
AFTER
MASS
43
AREA
7826
HEIGHT
3868
25-Jun-2024
19:32



BEFORE
MASS
93
AREA
1570
HEIGHT
629
25-Jun-2024
18:50



AFTER
MASS
93
AREA
1570
HEIGHT
629
25-Jun-2024
19:32

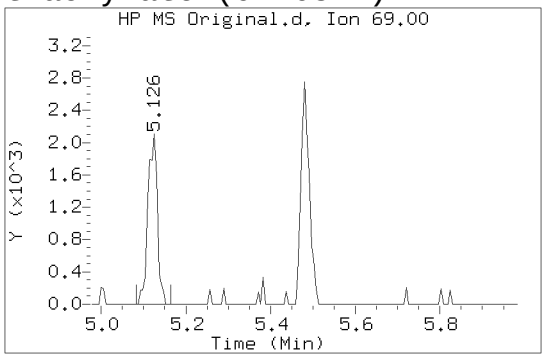


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LabSampID : VSTD00.5

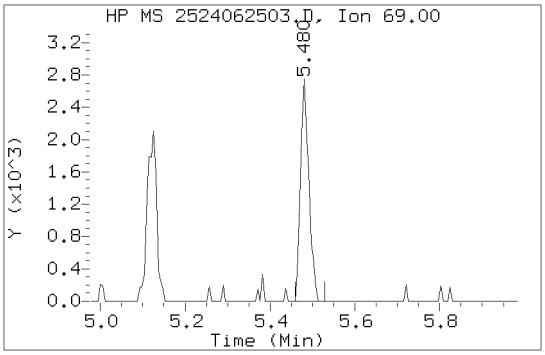
Ethyl Methacrylate (97-63-2)

Reason Code: H

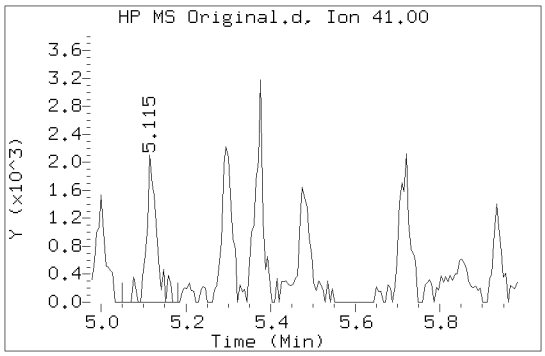
BEFORE
MASS
69
AREA
3279
HEIGHT
2105
25-Jun-2024
18:50



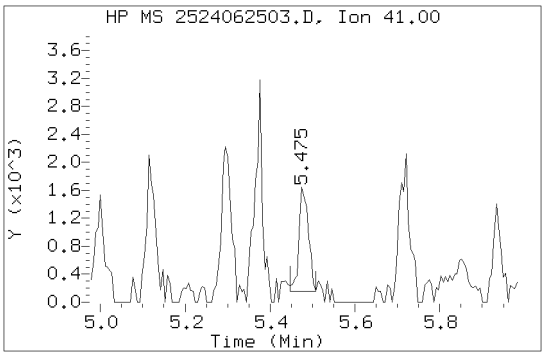
AFTER
MASS
69
AREA
3766
HEIGHT
2751
25-Jun-2024
19:32



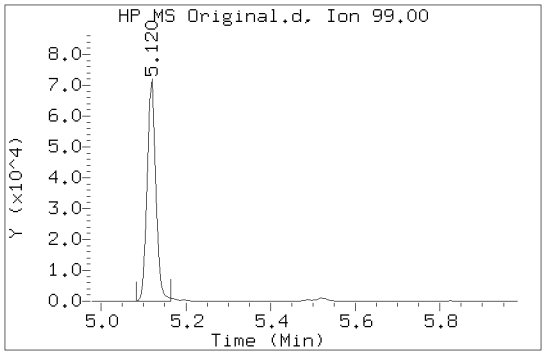
BEFORE
MASS
41
AREA
3522
HEIGHT
2108
25-Jun-2024
18:50



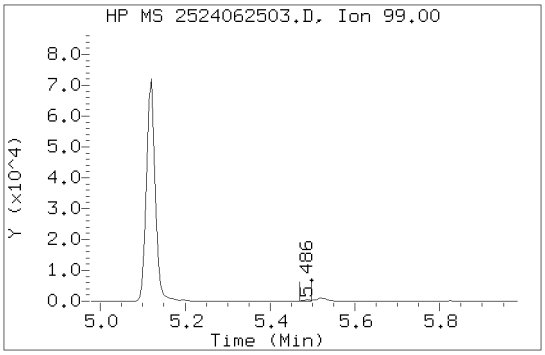
AFTER
MASS
41
AREA
2315
HEIGHT
1491
25-Jun-2024
19:32



BEFORE
MASS
99
AREA
103308
HEIGHT
72032
25-Jun-2024
18:50



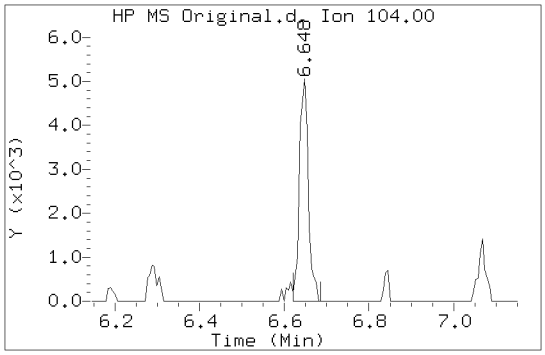
AFTER
MASS
99
AREA
564
HEIGHT
580
25-Jun-2024
19:32



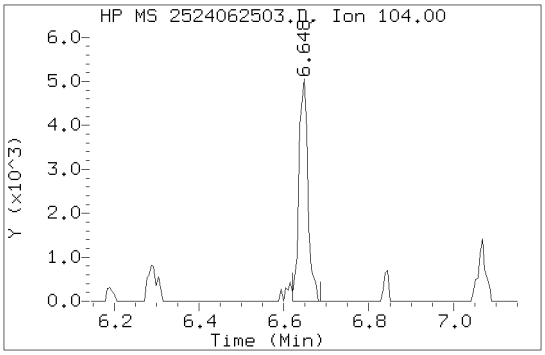
Styrene (100-42-5)

Reason Code: MP

BEFORE
MASS
104
AREA
7432
HEIGHT
5057
25-Jun-2024
18:50



AFTER
MASS
104
AREA
7432
HEIGHT
5057
25-Jun-2024
19:32

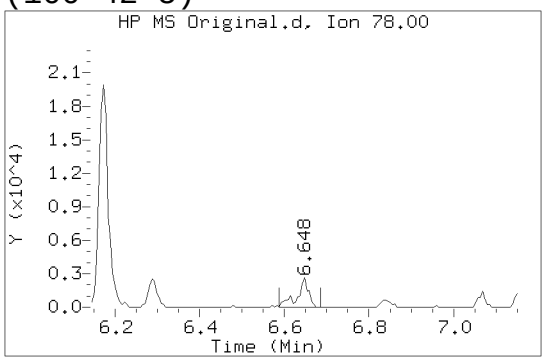


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LabSampID : VSTD00.5

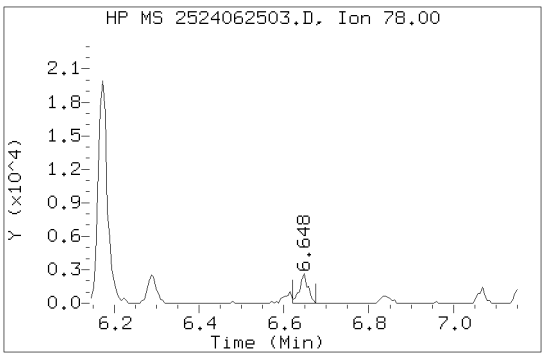
Styrene (100-42-5)

Reason Code: MP

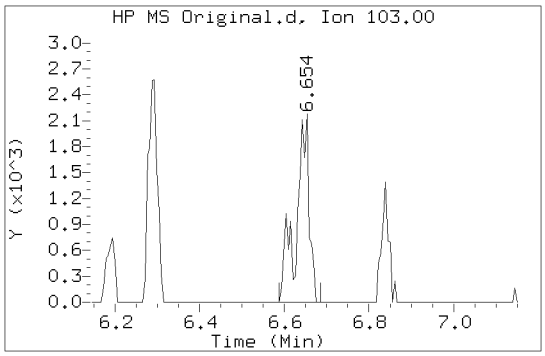
BEFORE
MASS
78
AREA
4781
HEIGHT
2634
25-Jun-2024
18:50



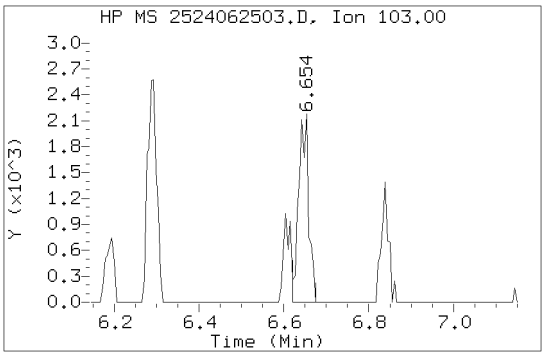
AFTER
MASS
78
AREA
3660
HEIGHT
2633
25-Jun-2024
19:32



BEFORE
MASS
103
AREA
4697
HEIGHT
2183
25-Jun-2024
18:50



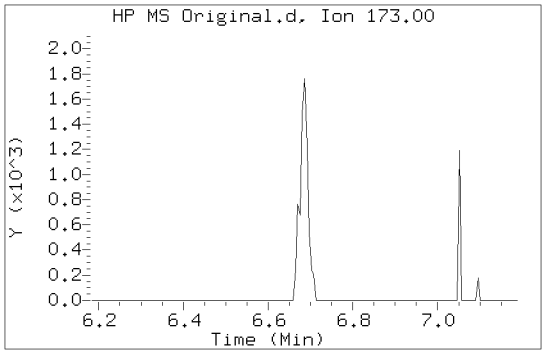
AFTER
MASS
103
AREA
3568
HEIGHT
2181
25-Jun-2024
19:32



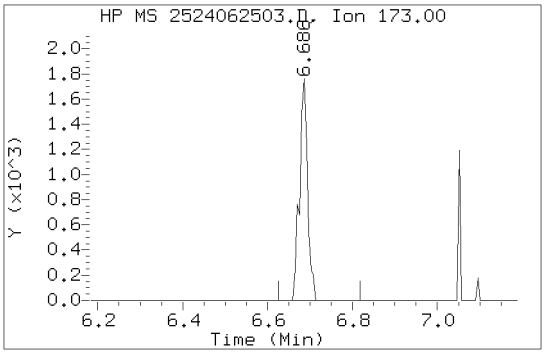
Bromoform (75-25-2)

Reason Code: IH

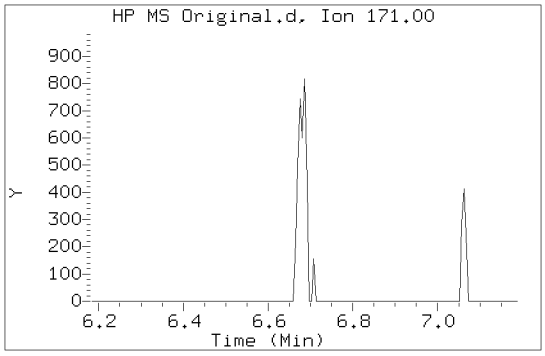
BEFORE
MASS
173
AREA
0
HEIGHT
0
25-Jun-2024
18:50



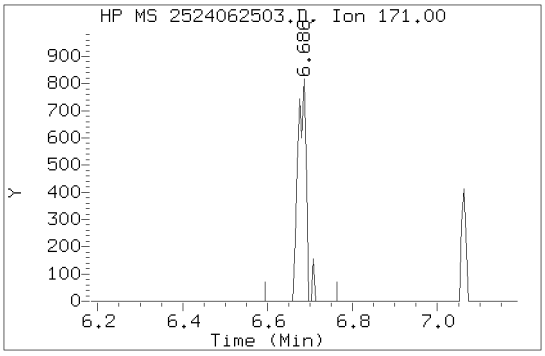
AFTER
MASS
173
AREA
2337
HEIGHT
1762
25-Jun-2024
19:32



BEFORE
MASS
171
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
171
AREA
1136
HEIGHT
817
25-Jun-2024
19:32

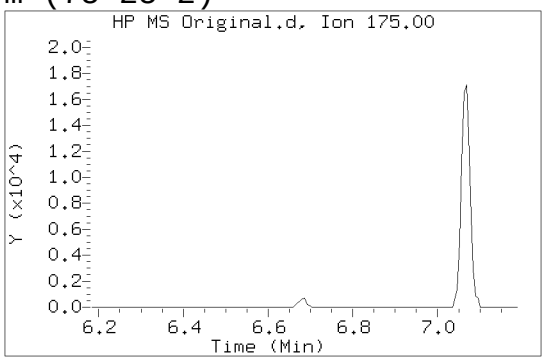


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LabSampID : VSTD00.5

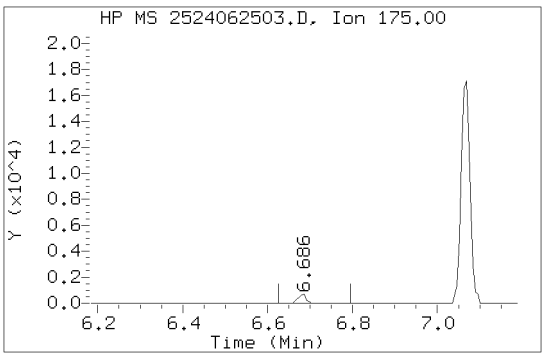
Bromoform (75-25-2)

Reason Code: IH

BEFORE
MASS
175
AREA
0
HEIGHT
0
25-Jun-2024
18:50



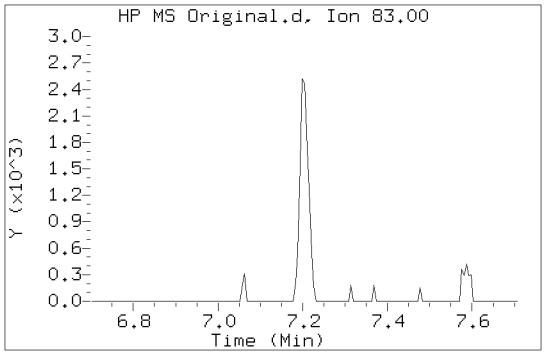
AFTER
MASS
175
AREA
874
HEIGHT
676
25-Jun-2024
19:32



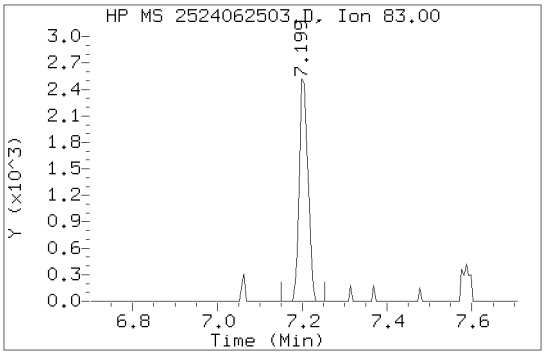
1,1,2,2-Tetrachloroethane (79-34-5)

Reason Code: IH

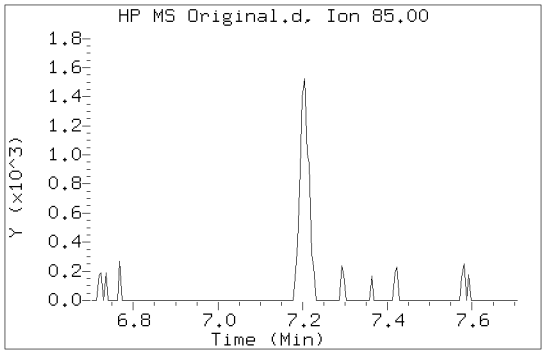
BEFORE
MASS
83
AREA
0
HEIGHT
0
25-Jun-2024
18:50



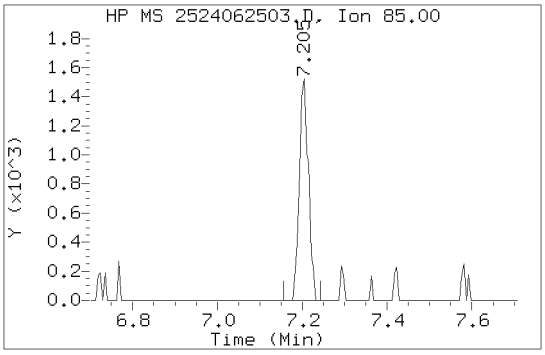
AFTER
MASS
83
AREA
3602
HEIGHT
2520
25-Jun-2024
19:32



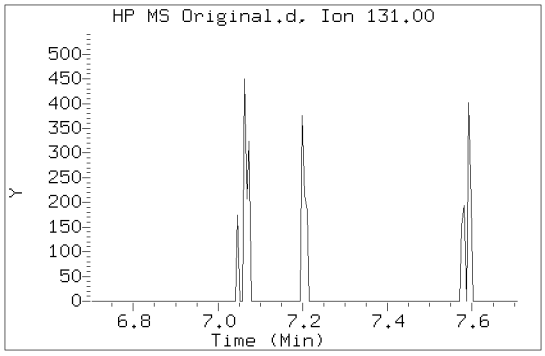
BEFORE
MASS
85
AREA
0
HEIGHT
0
25-Jun-2024
18:50



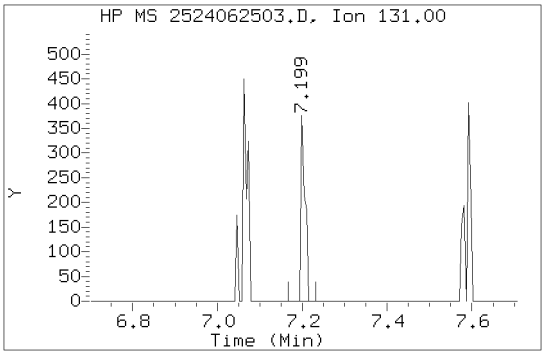
AFTER
MASS
85
AREA
2263
HEIGHT
1524
25-Jun-2024
19:32



BEFORE
MASS
131
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
131
AREA
253
HEIGHT
376
25-Jun-2024
19:32

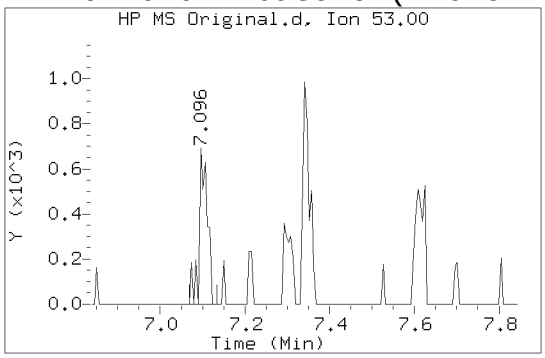


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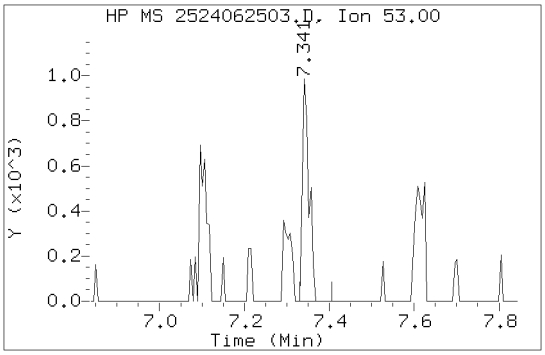
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: H

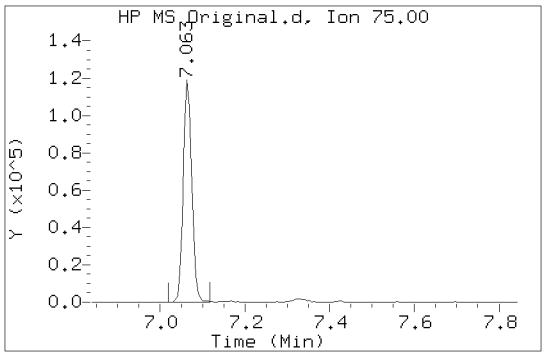
BEFORE
MASS
53
AREA
949
HEIGHT
694
25-Jun-2024
18:50



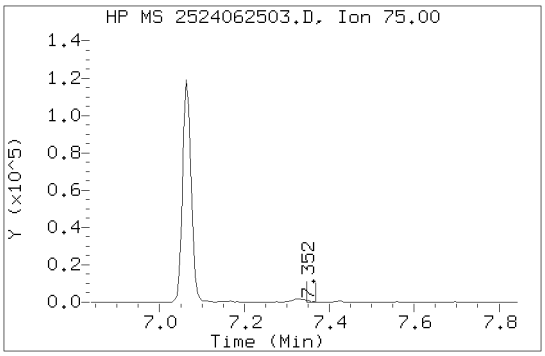
AFTER
MASS
53
AREA
1054
HEIGHT
986
25-Jun-2024
19:32



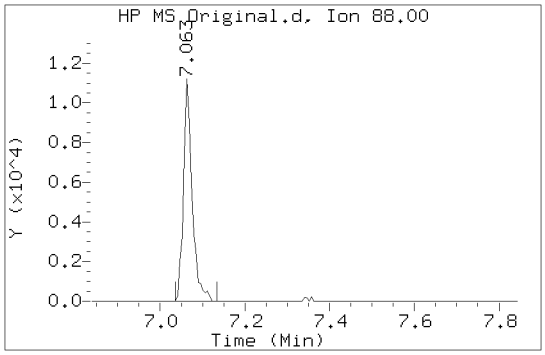
BEFORE
MASS
75
AREA
166839
HEIGHT
119104
25-Jun-2024
18:50



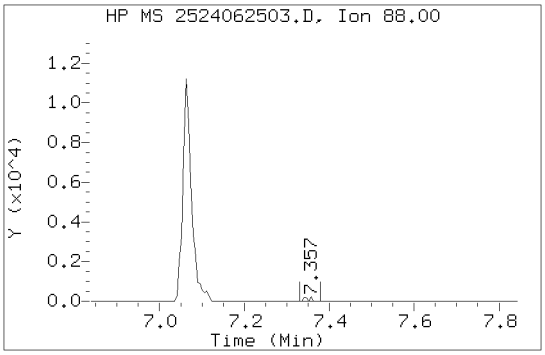
AFTER
MASS
75
AREA
731
HEIGHT
1082
25-Jun-2024
19:32



BEFORE
MASS
88
AREA
15893
HEIGHT
11208
25-Jun-2024
18:50



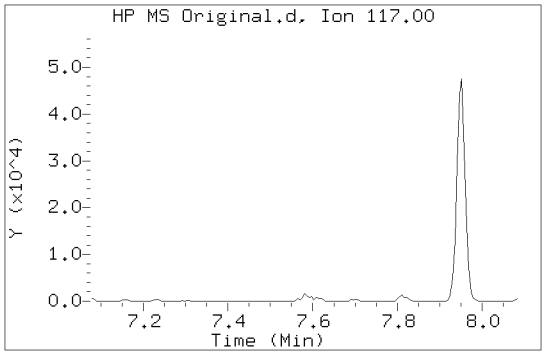
AFTER
MASS
88
AREA
202
HEIGHT
235
25-Jun-2024
19:32



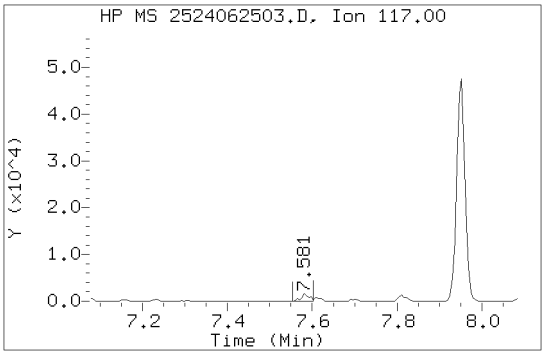
Pentachloroethane (76-01-7)

Reason Code: H

BEFORE
MASS
117
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
117
AREA
2125
HEIGHT
1588
25-Jun-2024
19:32

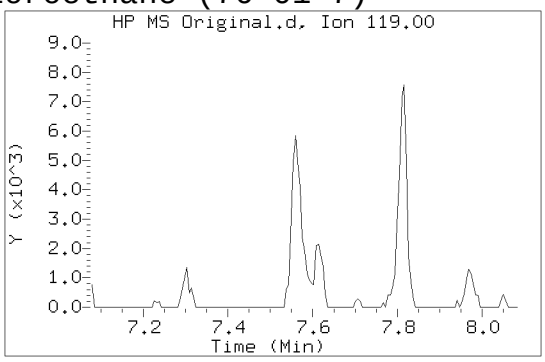


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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

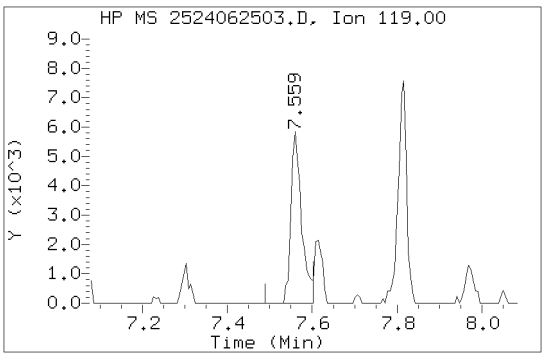
Pentachloroethane (76-01-7)

Reason Code: H

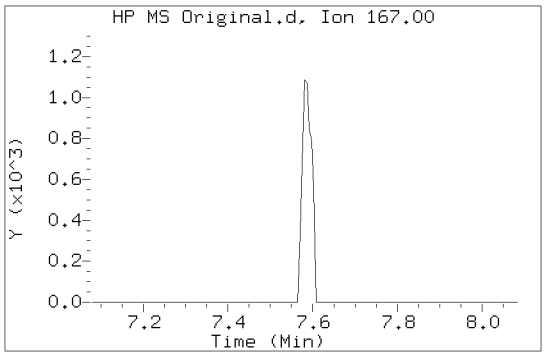
BEFORE
MASS
119
AREA
0
HEIGHT
0
25-Jun-2024
18:50



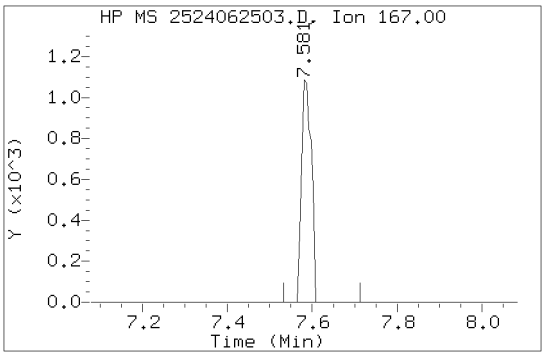
AFTER
MASS
119
AREA
10337
HEIGHT
5835
25-Jun-2024
19:32



BEFORE
MASS
167
AREA
0
HEIGHT
0
25-Jun-2024
18:50



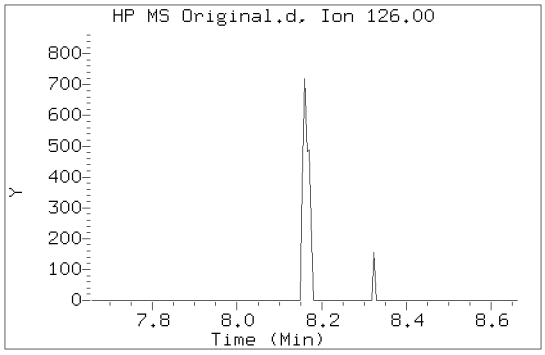
AFTER
MASS
167
AREA
1755
HEIGHT
1086
25-Jun-2024
19:32



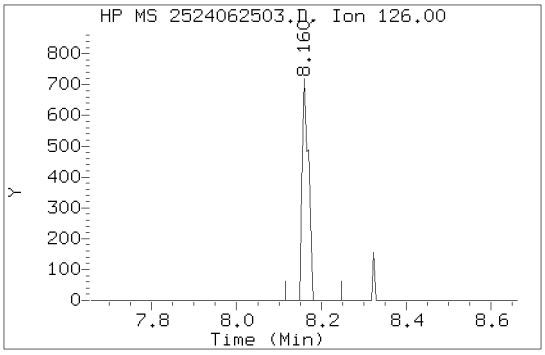
Benzyl Chloride (100-44-7)

Reason Code: IH

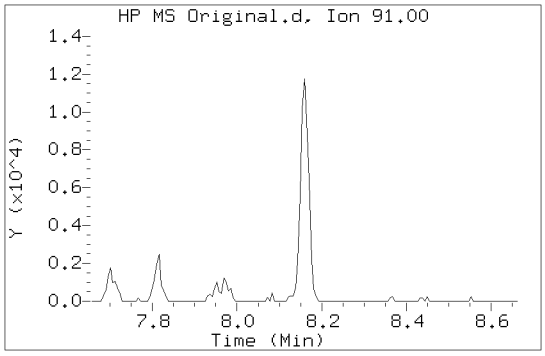
BEFORE
MASS
126
AREA
0
HEIGHT
0
25-Jun-2024
18:50



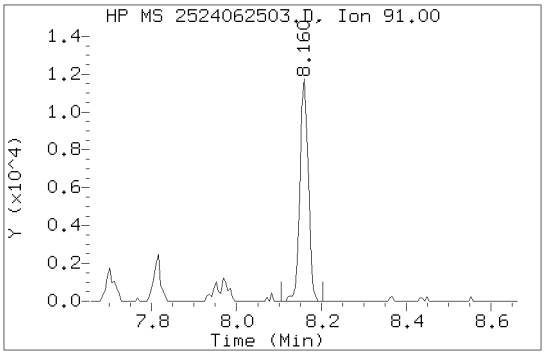
AFTER
MASS
126
AREA
736
HEIGHT
719
25-Jun-2024
19:32



BEFORE
MASS
91
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
91
AREA
16144
HEIGHT
11748
25-Jun-2024
19:32

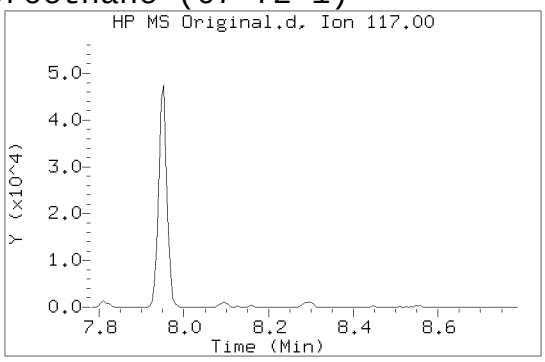


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Inj Date : 25-JUN-2024 11:03
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LabSampID : VSTD00.5

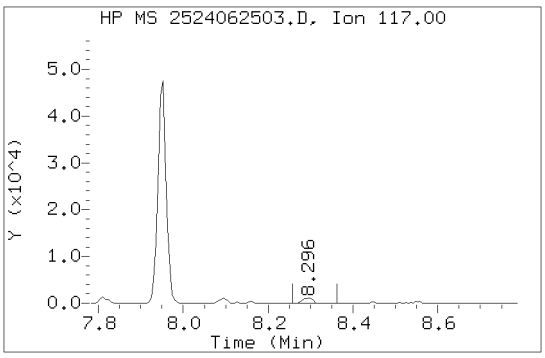
Hexachloroethane (67-72-1)

Reason Code: IH

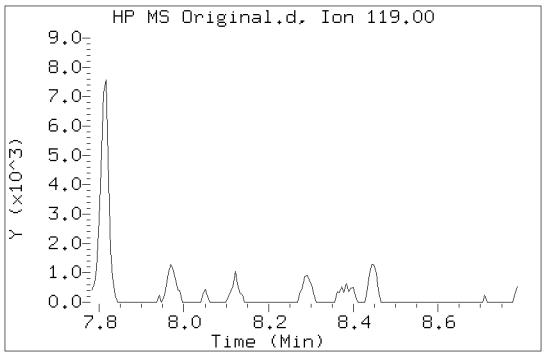
BEFORE
MASS
117
AREA
0
HEIGHT
0
25-Jun-2024
18:50



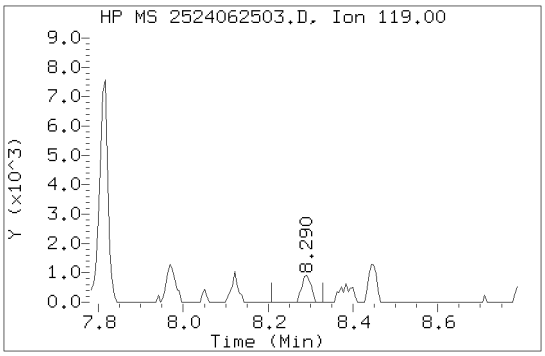
AFTER
MASS
117
AREA
1752
HEIGHT
1065
25-Jun-2024
19:32



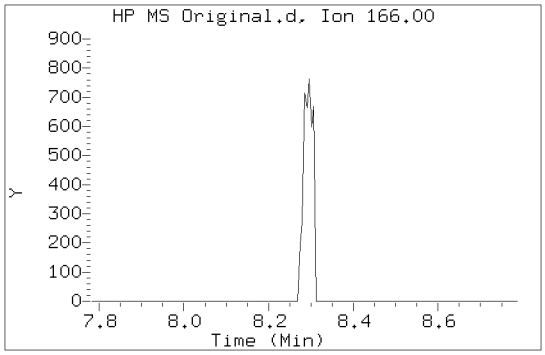
BEFORE
MASS
119
AREA
0
HEIGHT
0
25-Jun-2024
18:50



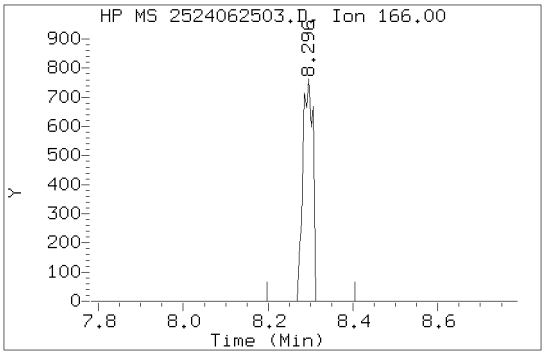
AFTER
MASS
119
AREA
1391
HEIGHT
916
25-Jun-2024
19:32



BEFORE
MASS
166
AREA
0
HEIGHT
0
25-Jun-2024
18:50



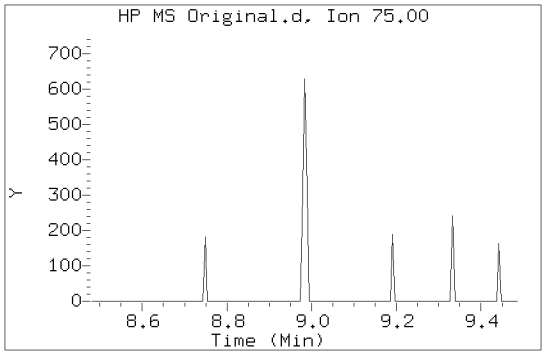
AFTER
MASS
166
AREA
1267
HEIGHT
763
25-Jun-2024
19:32



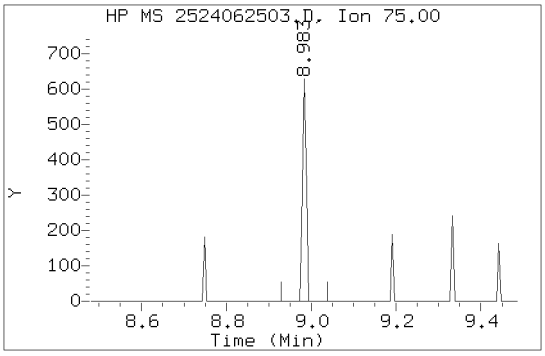
1,2-Dibromo-3-chloropropane (96-12-8)

Reason Code: IH

BEFORE
MASS
75
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
75
AREA
380
HEIGHT
629
25-Jun-2024
19:32

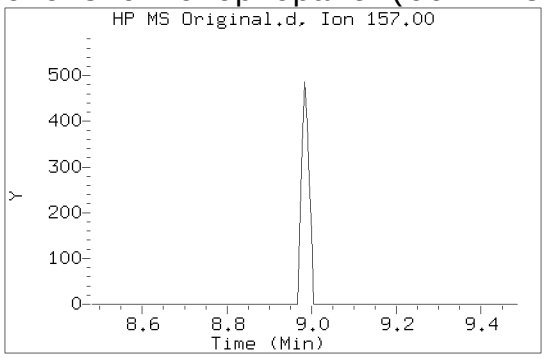


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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

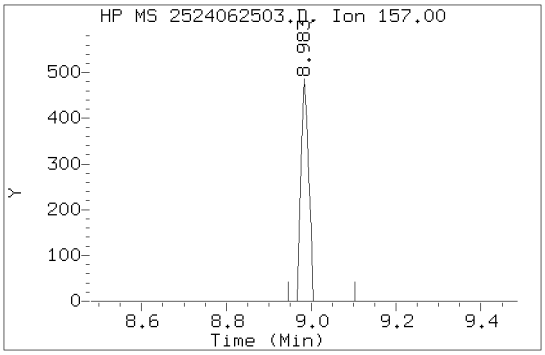
1,2-Dibromo-3-chloropropane (96-12-8)

Reason Code: IH

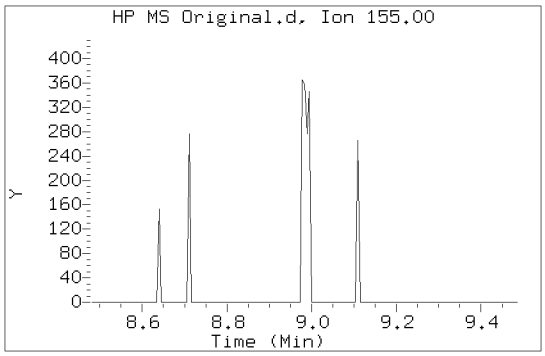
BEFORE
MASS
157
AREA
0
HEIGHT
0
25-Jun-2024
18:50



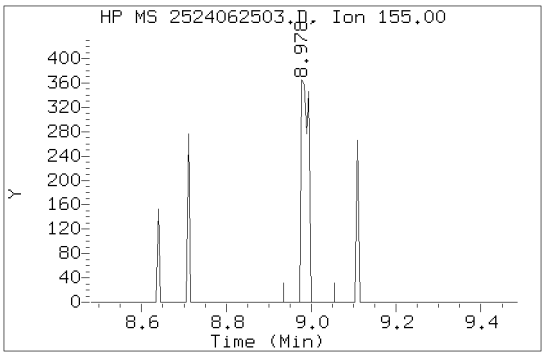
AFTER
MASS
157
AREA
607
HEIGHT
486
25-Jun-2024
19:32



BEFORE
MASS
155
AREA
0
HEIGHT
0
25-Jun-2024
18:50



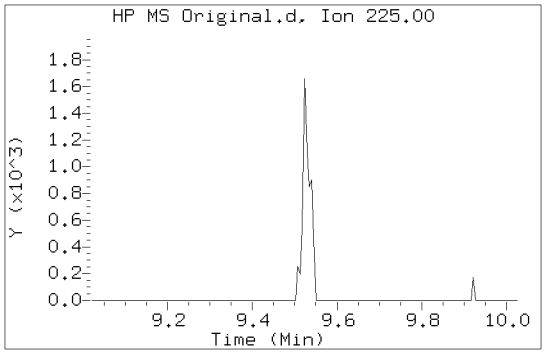
AFTER
MASS
155
AREA
440
HEIGHT
365
25-Jun-2024
19:32



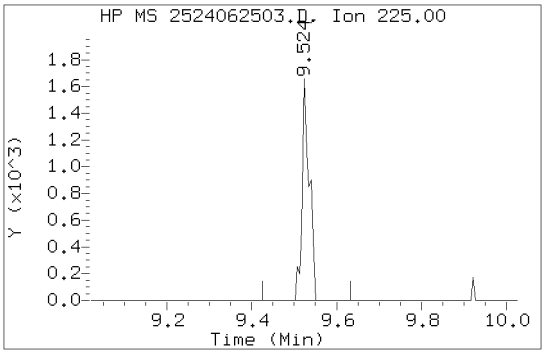
Hexachlorobutadiene (87-68-3)

Reason Code: IH

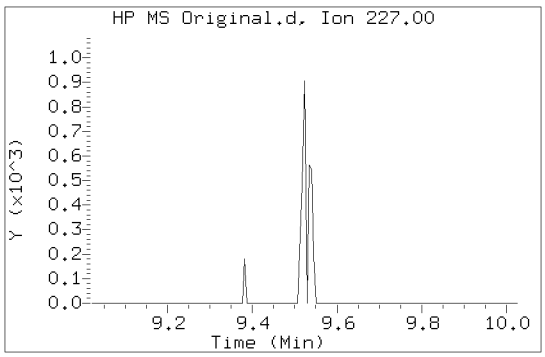
BEFORE
MASS
225
AREA
0
HEIGHT
0
25-Jun-2024
18:50



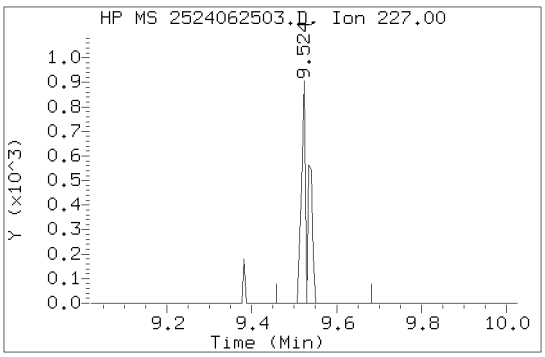
AFTER
MASS
225
AREA
1952
HEIGHT
1658
25-Jun-2024
19:32



BEFORE
MASS
227
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER
MASS
227
AREA
972
HEIGHT
906
25-Jun-2024
19:32



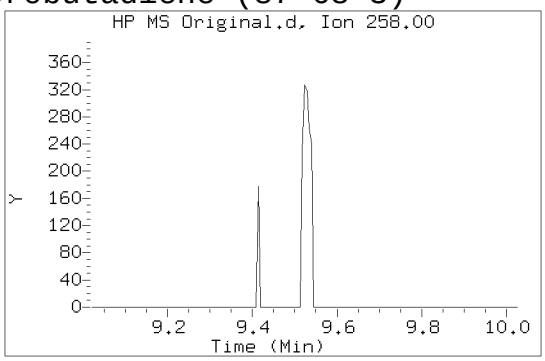
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Inj Date : 25-JUN-2024 11:03
InstruID : ms25.i
LabSampID : VSTD00.5

Hexachlorobutadiene (87-68-3)

Reason Code: IH

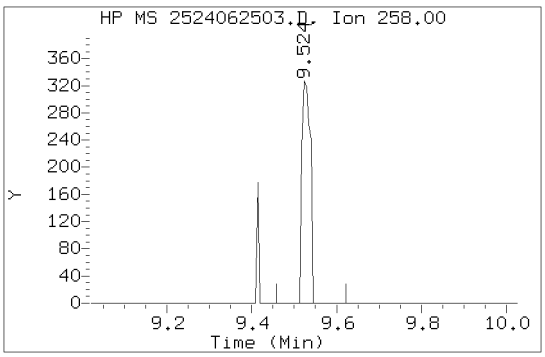
BEFORE

MASS
258
AREA
0
HEIGHT
0
25-Jun-2024
18:50



AFTER

MASS
258
AREA
450
HEIGHT
327
25-Jun-2024
19:32



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 11:03
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062504.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062504.D
Lab Smp Id: 1234
Inj Date : 25-JUN-2024 11:23
Operator : ILY Inst ID: ms25.i
Smp Info : 1234;;1;1;1;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\25-8260b09.m
Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	9759	1.00000	0.798759(a)	
2 Chloromethane	50	1.644	1.645	(0.394)	10647	1.00000	0.883614(a)	
3 Vinyl Chloride	62	1.704	1.705	(0.409)	11765	1.00000	0.851811(a)	
4 Bromomethane	94	1.922	1.923	(0.461)	8135	1.00000	0.801577(a)	
5 Chloroethane	64	2.004	2.005	(0.481)	12457	1.00000	1.03559	
6 Pentane	41	2.092	2.092	(0.502)	17356	1.00000	1.00059	
7 Trichlorofluoromethane	101	2.103	2.103	(0.504)	16496	1.00000	0.871950(a)	
8 Dichlorofluoromethane	67	2.124	2.125	(0.509)	14889	1.00000	0.850548(a)	
9 Ethyl Ether	74	2.277	2.278	(0.546)	4502	1.00000	0.845727(a)	
10 1,1-Dichloroethene	61	2.408	2.409	(0.577)	9580	1.00000	0.901873(a)	
11 Freon 113	101	2.424	2.425	(0.581)	6683	1.00000	0.894489(a)	
12 Carbon Disulfide	76	2.446	2.447	(0.587)	19710	1.00000	0.860158(a)	
13 Iodomethane	127	2.506	2.507	(0.601)	2132	1.00000	1.02386(Q)	
14 Acrolein	56	2.599	2.600	(0.623)	7284	5.00000	4.25125(Q)	
15 Isopropyl Alcohol	45	2.654	2.654	(0.636)	4784	5.00000	5.47317	
16 3-Chloro-1-propene	41	2.675	2.676	(0.642)	7346	1.00000	0.965171(a)	
17 Methylene Chloride	84	2.741	2.741	(0.657)	8206	1.00000	0.945742(a)	
18 Acetone	58	2.752	2.752	(0.660)	5095	5.00000	5.29999	
19 Methyl acetate	74	2.812	2.812	(0.674)	2657	1.00000	0.934498(a)	
20 trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	9408	1.00000	0.904277(a)	
21 Hexane	57	2.866	2.867	(0.687)	20884	1.00000	0.920374(a)	

Data File: 2524062504.D
Report Date: 25-Jun-2024 19:32

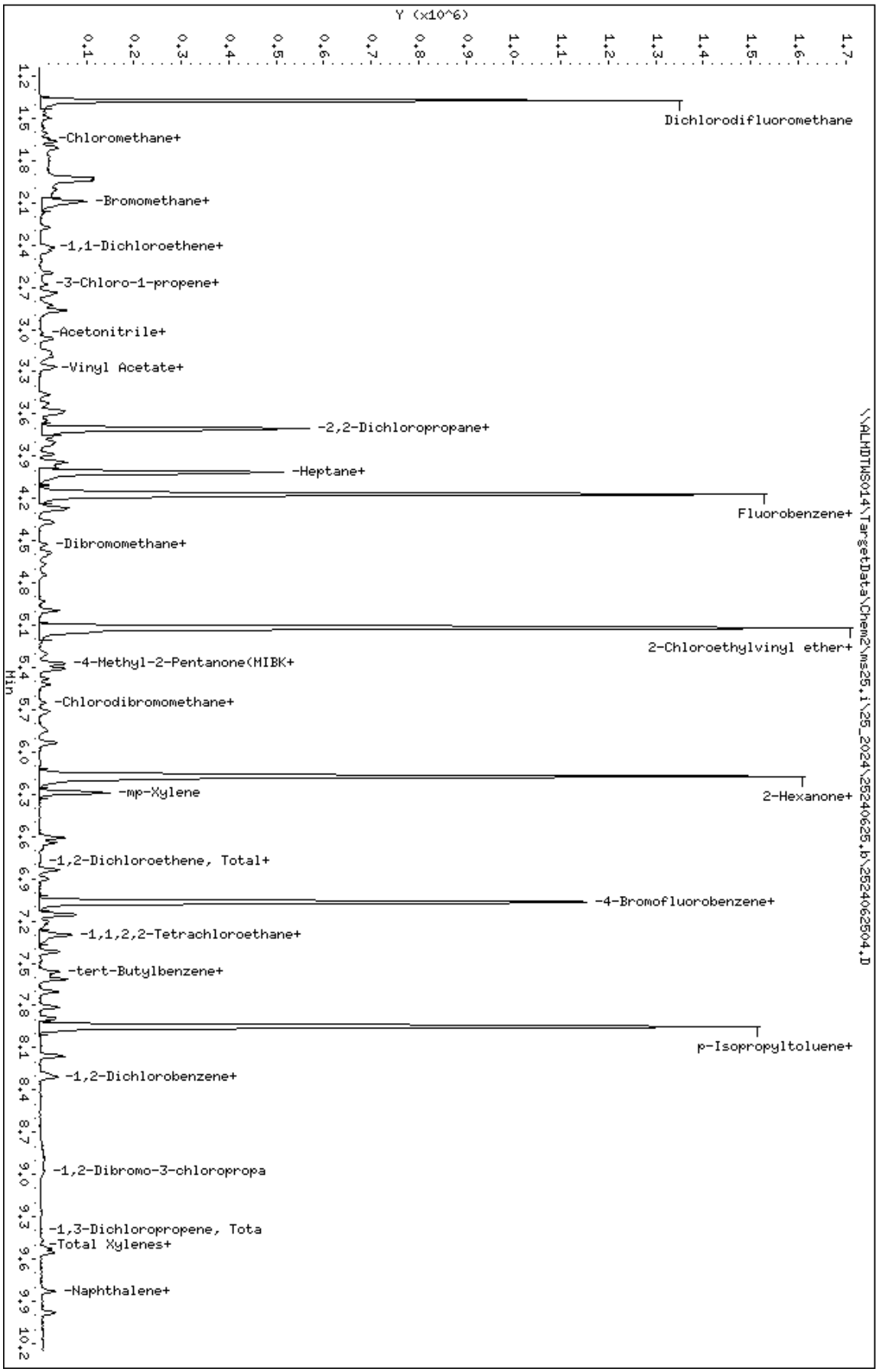
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	19555	1.00000	0.960311(aQ)	
	23 tert.- Butyl Alcohol	59	2.888	2.889	(0.693)	4416	5.00000	4.60155	
	24 Acetonitrile	41	3.019	3.020	(0.724)	4555	5.00000	4.23730(Q)	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	20480	1.00000	0.886965(a)	
	26 Chloroprene	53	3.156	3.156	(0.757)	9725	1.00000	0.830748(a)	
	27 1,1-Dichloroethane	63	3.167	3.167	(0.759)	12220	1.00000	0.862135(a)	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	15210	5.00000	4.12033(M)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	20293	1.00000	0.827489(a)	
	30 n-Propanol	41	3.259	3.260	(0.782)	4454	10.0000	9.79133(QM)	MP
	31 Vinyl Acetate	86	3.276	3.276	(0.785)	1240	1.00000	0.891049(aQ)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	9228	1.00000	0.874773(a)	
	33 2,2-Dichloropropane	77	3.521	3.522	(0.844)	9944	1.00000	0.880243(a)	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	3622	1.00000	0.796188(a)	
	35 Cyclohexane	84	3.587	3.587	(0.860)	11261	1.00000	0.889664(a)	
	36 Chloroform	83	3.598	3.598	(0.863)	12667	1.00000	0.827831(a)	
	37 Ethyl Acetate	43	3.641	3.642	(0.873)	8670	1.00000	0.860873(a)	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	7047	1.00000	0.829585(aQ)	
	39 Carbon Tetrachloride	117	3.696	3.696	(0.886)	6249	1.00000	0.966574(aM)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	257474	30.0000	29.5526	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	11632	5.00000	4.47919	
	42 1,1,1-Trichloroethane	97	3.739	3.740	(0.897)	10242	1.00000	0.859956(a)	
	43 2-Butanone	72	3.767	3.767	(0.903)	5763	5.00000	4.59056	
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	9289	1.00000	0.824536(a)	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	6138	1.00000	0.847236(a)	
	46 Heptane	71	3.887	3.887	(0.932)	5903	1.00000	0.901887(aQ)	
	47 Benzene	78	3.941	3.942	(0.945)	31790	1.00000	0.918073(a)	
	48 Propionitrile	54	3.941	3.942	(0.945)	6433	5.00000	4.60203(Q)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	3144	1.00000	0.750289(aQM)	H
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	20603	1.00000	0.870331(a)	
	54 Isobutyl alcohol	42	3.980	3.980	(0.954)	1830	10.0000	12.5329(QM)	MP
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	278313	30.0000	30.3035	
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	10009	1.00000	0.919501(aQ)	
	53 tert-Amyl Alcohol	59	4.061	4.062	(0.974)	3778	5.00000	5.13106	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1104188	30.0000		
	56 Diisobutylene	57	4.170	4.171	(1.000)	50206	1.00000	0.910347(aQ)	
	57 Trichloroethene	95	4.269	4.269	(1.024)	7711	1.00000	0.879887(a)	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	12703	1.00000	0.929667(a)	
	59 tert-Amyl Ethylether	59	4.372	4.373	(1.048)	14413	1.00000	0.956612(a)	
	60 Dibromomethane	93	4.525	4.526	(1.085)	4615	1.00000	0.833015(a)	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	7377	1.00000	0.885179(a)	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	7191	1.00000	0.946015(a)	
	63 Methyl methacrylate	41	4.662	4.662	(1.118)	5964	1.00000	0.904227(aM)	IH
	64 1,4-Dioxane	88	4.722	4.722	(1.132)	2745	25.0000	21.2773(Q)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	3719	1.00000	0.975581(a)	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	10566	1.00000	1.01868	
	67 Octane	85	5.000	5.000	(0.810)	4330	1.00000	0.835760(a)	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1006001	30.0000	30.1635	
	69 Toluene	92	5.153	5.153	(0.835)	19855	1.00000	0.939263(a)	
	70 Chloroacetonitrile	75	5.207	5.208	(0.844)	2128	5.00000	4.03819(M)	H
	71 2-Nitropropane	41	5.300	5.300	(0.859)	7049	5.00000	4.88782(Q)	
	72 1,1-Dichloro-2-Propanone	63	5.316	5.317	(0.861)	649	5.00000	4.81139(QM)	H
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	29113	5.00000	4.48308	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	8929	1.00000	0.969277(a)	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	6888	1.00000	0.894846(a)	

Data File: 2524062504.D
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.480	5.481	(0.888)	8256	1.00000	0.959694(aM)	H
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	6199	1.00000	0.954452(a)	
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	5551	1.00000	0.966990(a)	
	79 1,3-Dichloropropane	76	5.709	5.710	(0.925)	11310	1.00000	0.881368(a)	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	6550	1.00000	0.988273(a)	
	81 2-Hexanone	43	5.933	5.933	(0.961)	21128	5.00000	4.78219	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	8250	1.00000	0.741857(aQM)	I
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	421251	30.0000		
	84 Chlorobenzene	112	6.184	6.184	(1.002)	18599	1.00000	0.863383(a)	
	85 Ethylbenzene	106	6.189	6.190	(1.003)	13774	1.00000	0.962259(aQ)	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	4988	1.00000	0.927321(aQ)	
	87 mp-Xylene	106	6.288	6.288	(1.019)	36347	2.00000	1.65723	
	88 o-Xylene	106	6.610	6.610	(1.071)	13278	1.00000	0.926224(a)	
	89 Styrene	104	6.648	6.648	(0.836)	15866	1.00000	1.00647(M)	MP
	90 Bromoform	173	6.686	6.686	(0.841)	3823	1.00000	0.967694(a)	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	26101	1.00000	0.981453(a)	
M	100 1,2-Dichloroethene, Total	61				18636	2.00000	1.77905	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	306032	30.0000	29.5640	
	93 Bromobenzene	156	7.155	7.156	(0.900)	7998	1.00000	0.904064(a)	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	7505	1.00000	0.829613(aQ)	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	7231	1.00000	0.822362(a)	
	96 o-Chlorotoluene	91	7.292	7.292	(0.917)	21107	1.00000	0.886814(a)	
	97 1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	22064	1.00000	0.876358(a)	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	2707	1.00000	0.954519(a)	
	99 trans-1,4-Dichloro-2-butene	53	7.341	7.341	(0.923)	1628	1.00000	0.890063(aM)	H
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	18321	1.00000	0.849824(a)	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	4719	1.00000	0.783690(aQ)	
	103 Pentachloroethane	117	7.581	7.581	(0.953)	4178	1.00000	0.978968(aM)	MP
	104 1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	27718	1.00000	0.890516(a)	
	105 sec-Butylbenzene	105	7.706	7.707	(0.969)	25418	1.00000	0.816857(a)	
	106 p-Isopropyltoluene	134	7.815	7.816	(0.983)	5960	1.00000	0.836400(a)	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	13700	1.00000	0.919202(a)	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	374177	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	13912	1.00000	0.895502(aQM)	I
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	2620	1.00000	1.16660(Q)	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	5626	1.00000	0.844859(aQ)	
	112 Hexachloroethane	117	8.285	8.285	(1.042)	3087	1.00000	0.962691(aQM)	IH
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	12858	1.00000	0.905673(a)	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	1191	1.00000	1.11644(Q)	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	3058	10.0000	6.30658	
	116 Hexachlorobutadiene	225	9.523	9.524	(1.198)	2971	1.00000	0.880953(a)	
M	120 1,3-Dichloropropene, Total	75				19495	2.00000	1.98796	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	7990	1.00000	0.849831(a)	
M	121 Total Xylenes	106				49625	3.00000	2.58346	
	118 Naphthalene	128	9.829	9.829	(1.236)	18088	1.00000	0.970581(a)	
	119 1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	7150	1.00000	0.964947(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



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Column phase: DB-VRX

Instrument: ms25,i
Operator: ILY
Column diameter: 0.25

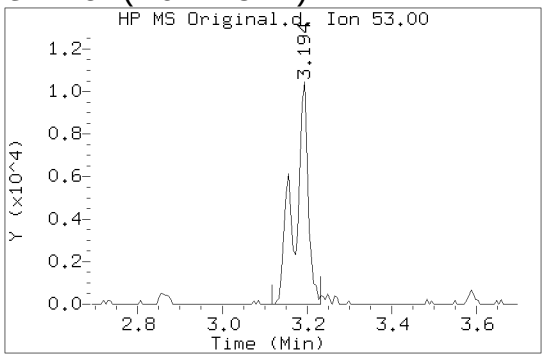
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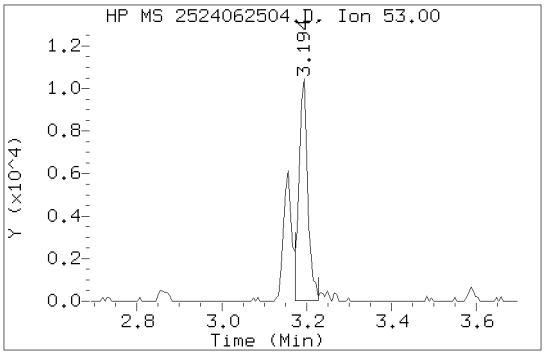
Acrylonitrile (107-13-1)

Reason Code: MP

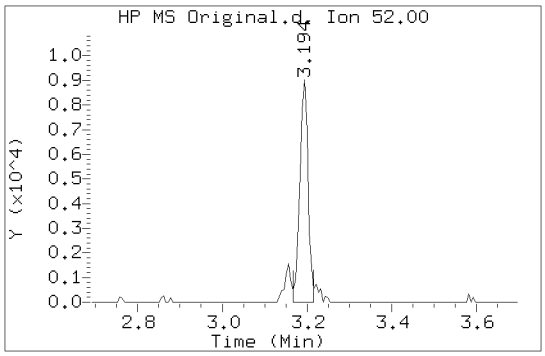
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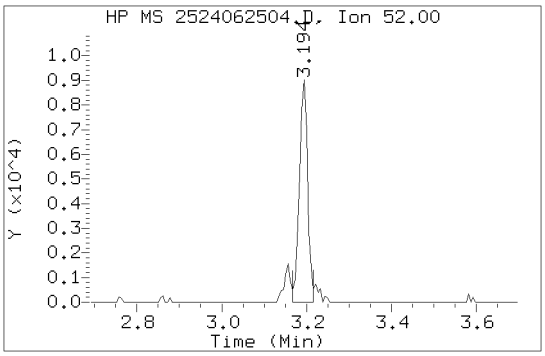
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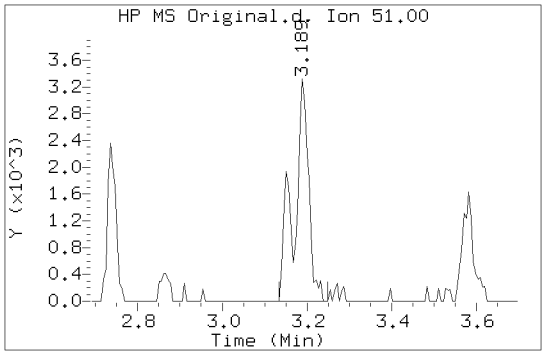
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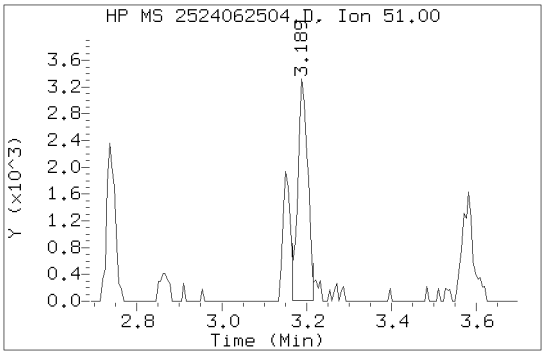
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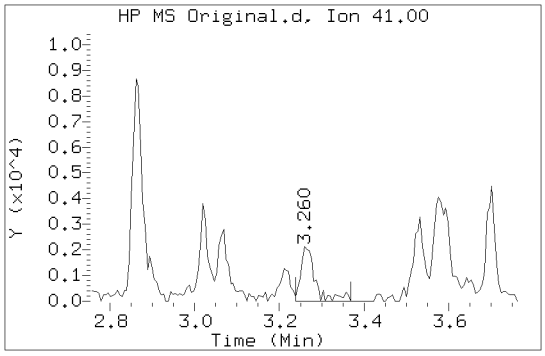
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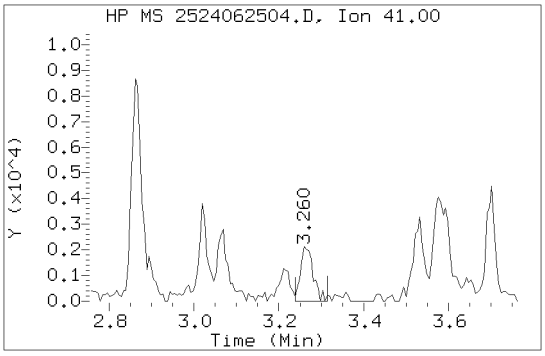
n-Propanol (71-23-8)

Reason Code: MP

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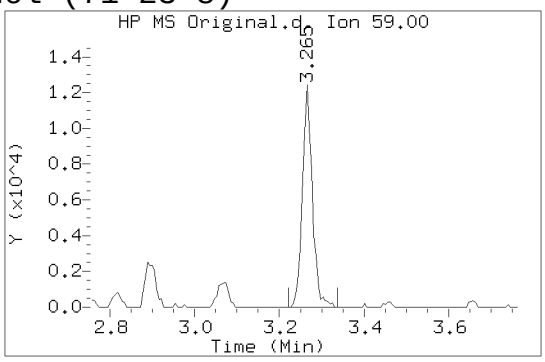


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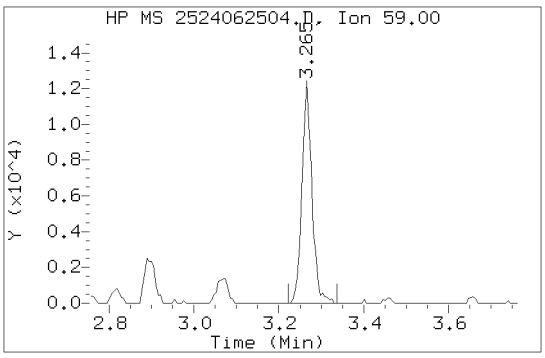
n-Propanol (71-23-8)

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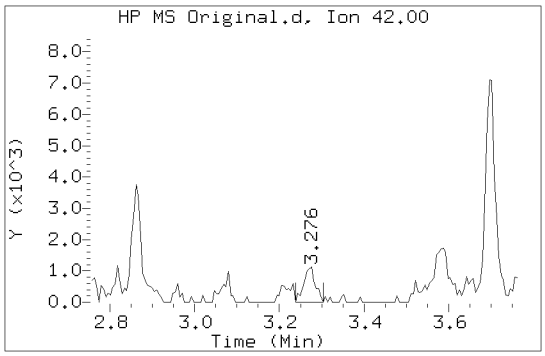
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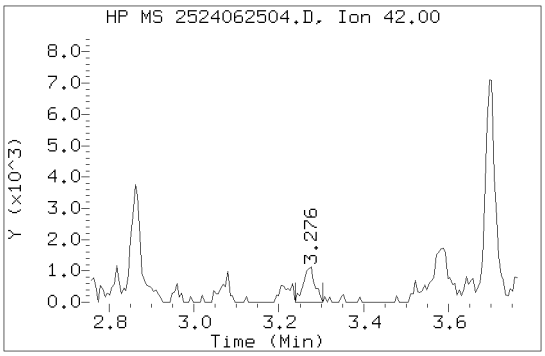
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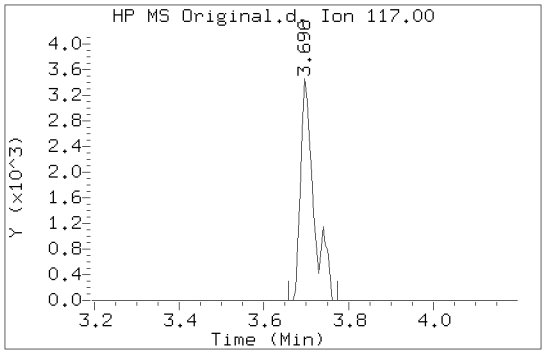
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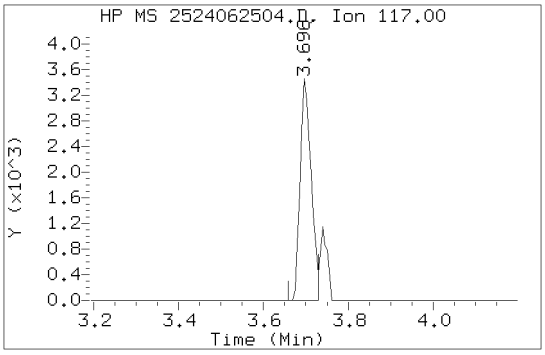
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Reason Code: MP

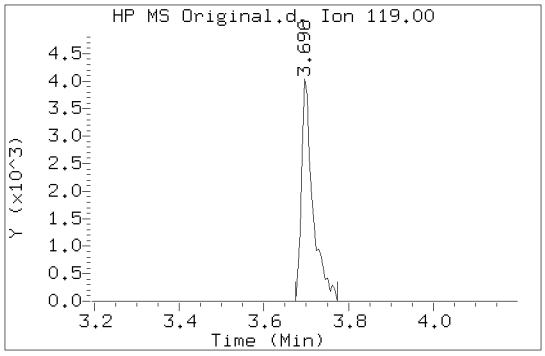
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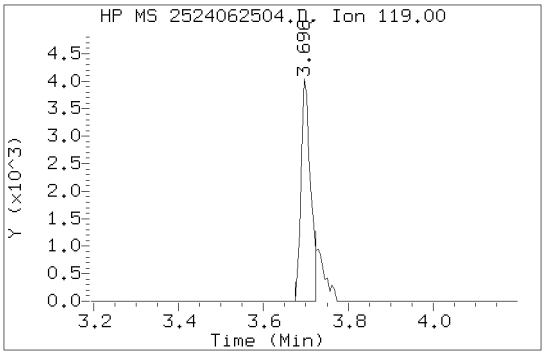
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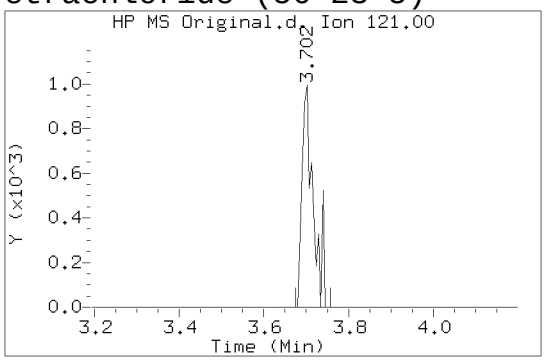


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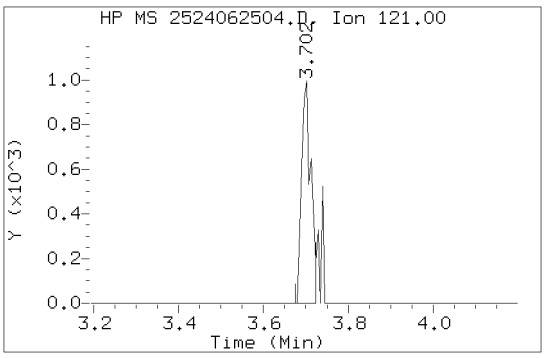
Carbon Tetrachloride (56-23-5)

Reason Code: MP

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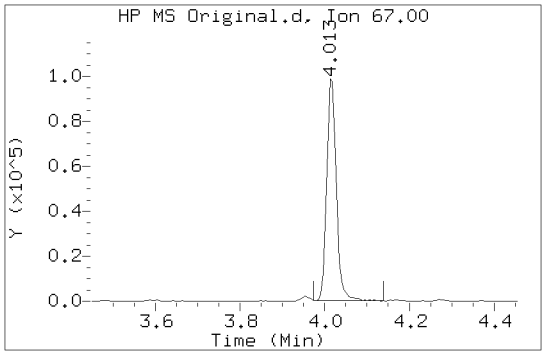
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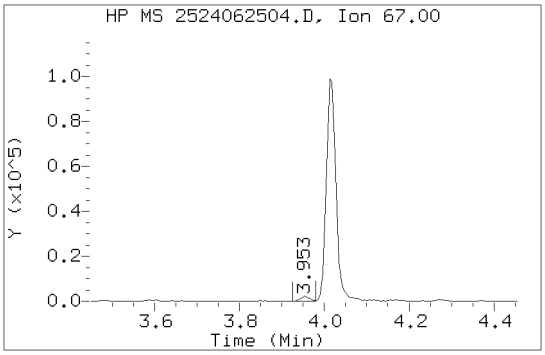
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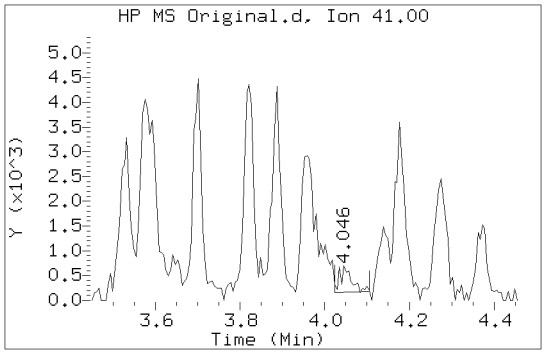
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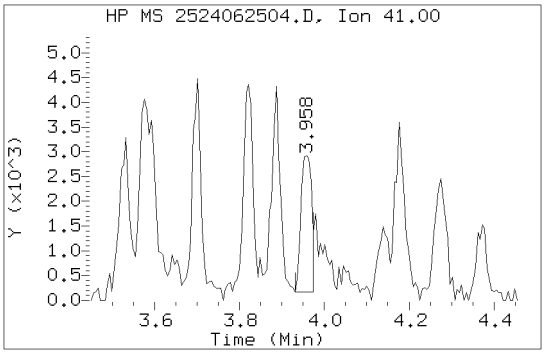
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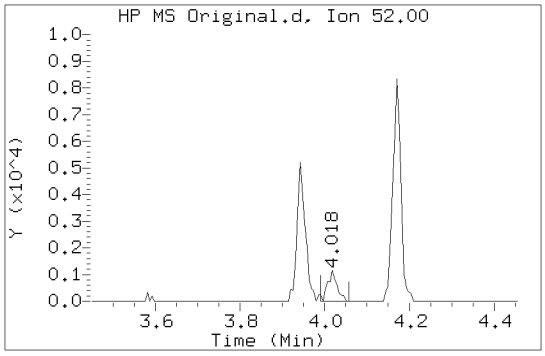
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25-Jun-2024
18:43



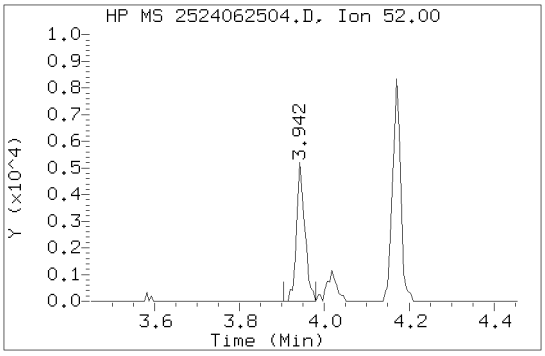
AFTER
MASS
41
AREA
4932
HEIGHT
2756
25-Jun-2024
19:31



BEFORE
MASS
52
AREA
1766
HEIGHT
1148
25-Jun-2024
18:43



AFTER
MASS
52
AREA
7144
HEIGHT
5200
25-Jun-2024
19:31

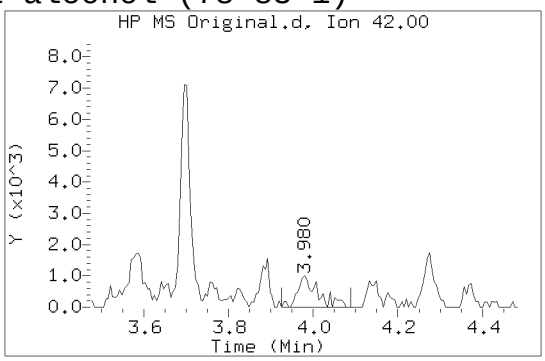


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LabSampID : 1234

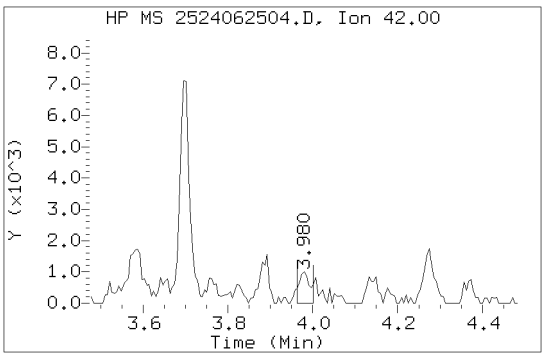
Isobutyl alcohol (78-83-1)

Reason Code: MP

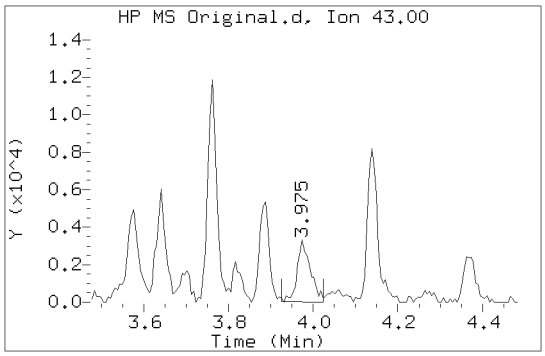
BEFORE
MASS
42
AREA
3324
HEIGHT
1001
25-Jun-2024
18:43



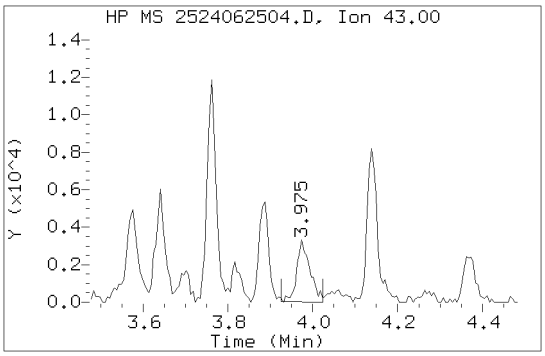
AFTER
MASS
42
AREA
1830
HEIGHT
1001
25-Jun-2024
19:31



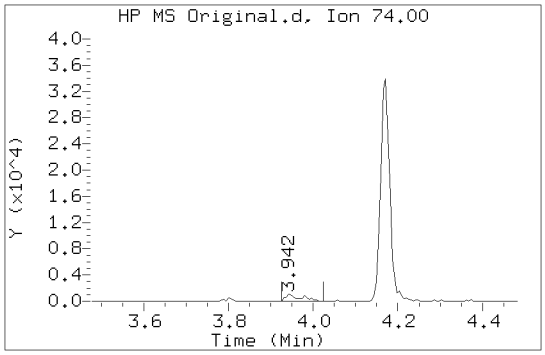
BEFORE
MASS
43
AREA
7196
HEIGHT
3319
25-Jun-2024
18:43



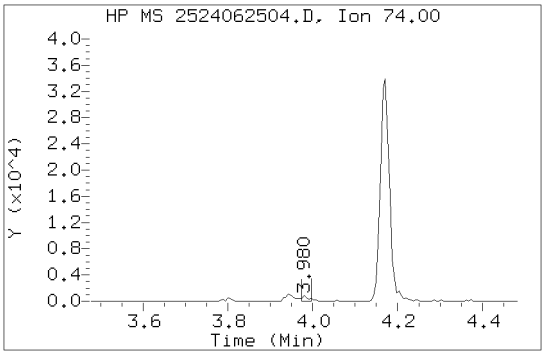
AFTER
MASS
43
AREA
7196
HEIGHT
3319
25-Jun-2024
19:31



BEFORE
MASS
74
AREA
2579
HEIGHT
1075
25-Jun-2024
18:43



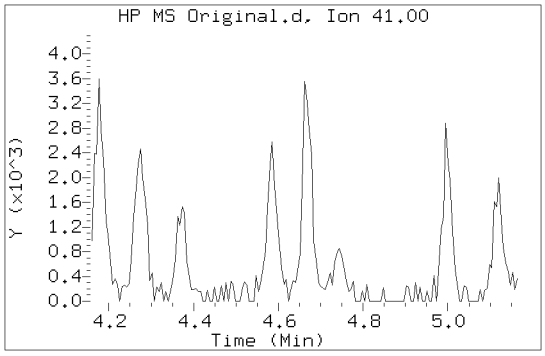
AFTER
MASS
74
AREA
806
HEIGHT
853
25-Jun-2024
19:31



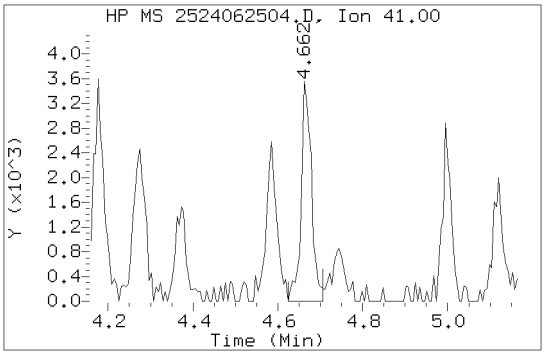
Methyl methacrylate (80-62-6)

Reason Code: IH

BEFORE
MASS
41
AREA
0
HEIGHT
0
25-Jun-2024
18:43



AFTER
MASS
41
AREA
5964
HEIGHT
3556
25-Jun-2024
19:31

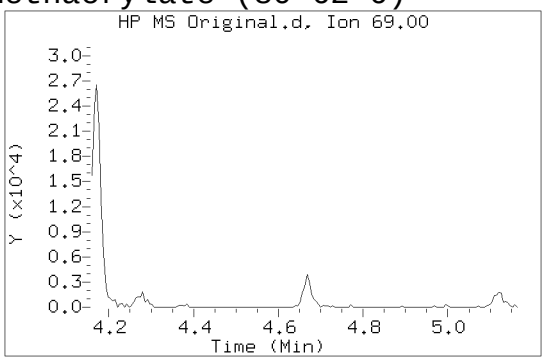


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InstruID : ms25.i
LabSampID : 1234

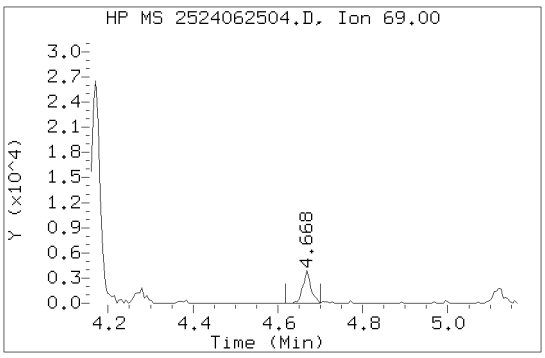
Methyl methacrylate (80-62-6)

Reason Code: IH

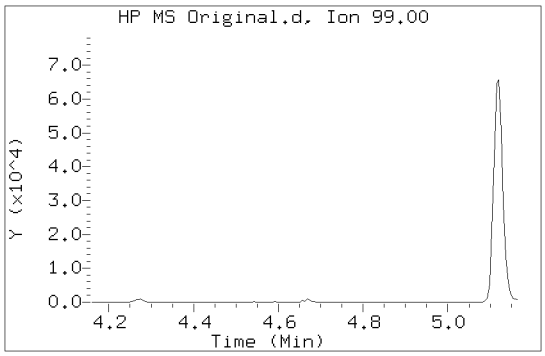
BEFORE
MASS
69
AREA
0
HEIGHT
0
25-Jun-2024
18:43



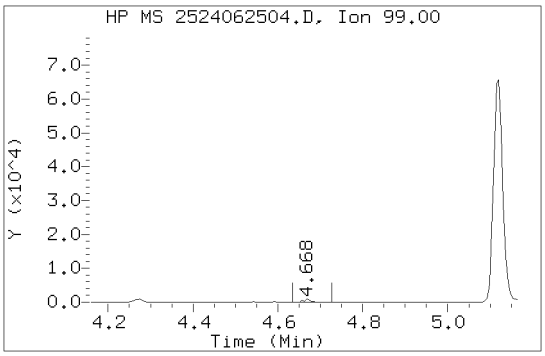
AFTER
MASS
69
AREA
5139
HEIGHT
3943
25-Jun-2024
19:31



BEFORE
MASS
99
AREA
0
HEIGHT
0
25-Jun-2024
18:43



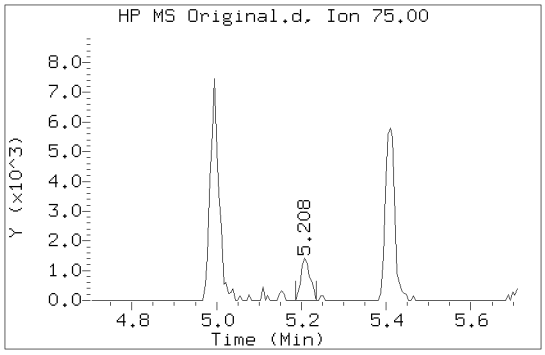
AFTER
MASS
99
AREA
946
HEIGHT
944
25-Jun-2024
19:31



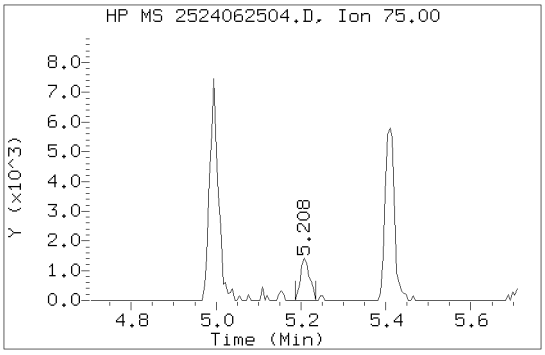
Chloroacetonitrile (107-14-2)

Reason Code: H

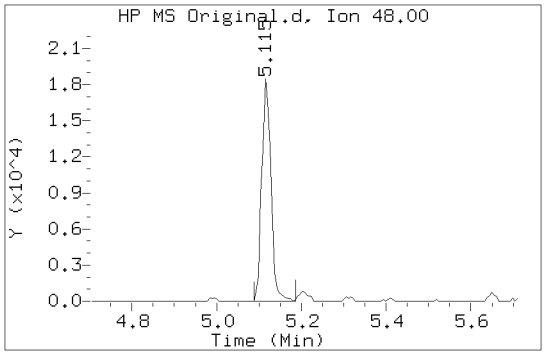
BEFORE
MASS
75
AREA
2128
HEIGHT
1432
25-Jun-2024
18:43



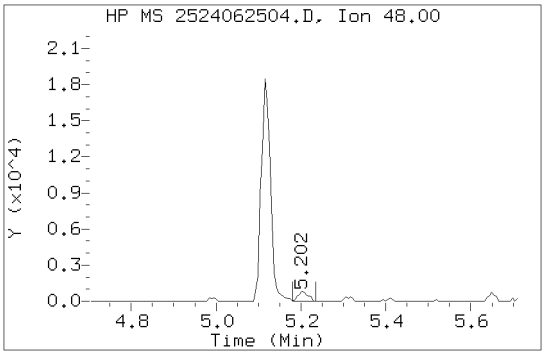
AFTER
MASS
75
AREA
2128
HEIGHT
1432
25-Jun-2024
19:31



BEFORE
MASS
48
AREA
28259
HEIGHT
18480
25-Jun-2024
18:43



AFTER
MASS
48
AREA
1300
HEIGHT
809
25-Jun-2024
19:31

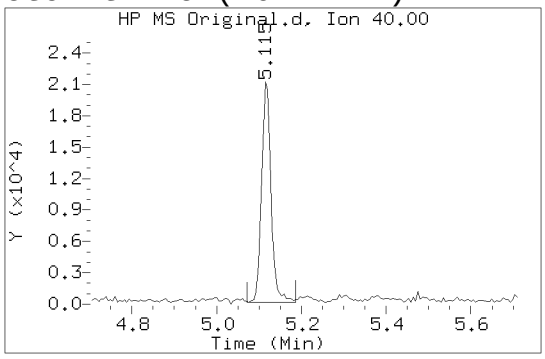


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InstruID : ms25.i
LabSampID : 1234

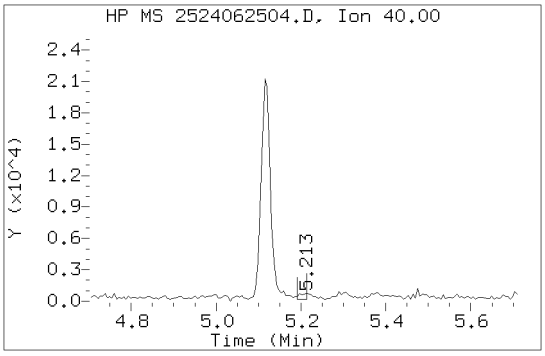
Chloroacetonitrile (107-14-2)

Reason Code: H

BEFORE
MASS
40
AREA
32691
HEIGHT
21036
25-Jun-2024
18:43



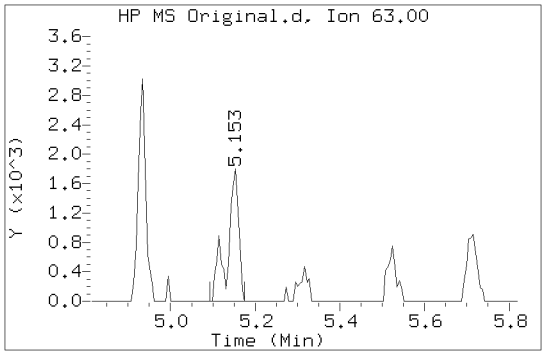
AFTER
MASS
40
AREA
731
HEIGHT
590
25-Jun-2024
19:31



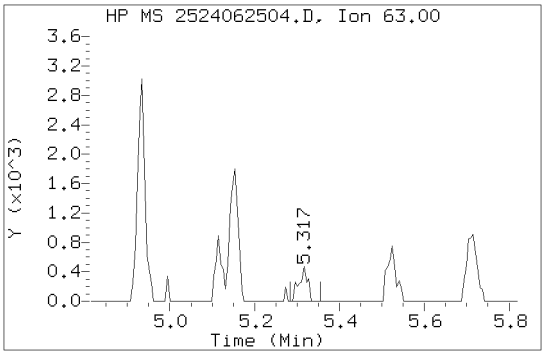
1,1-Dichloro-2-Propanone (513-88-2)

Reason Code: H

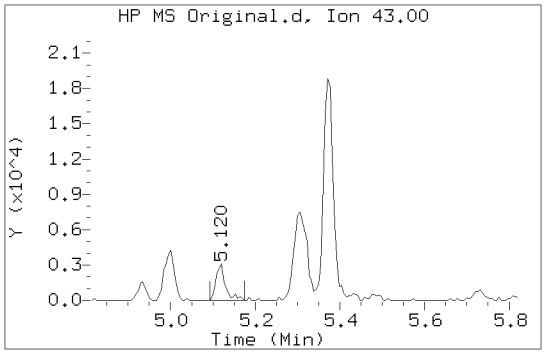
BEFORE
MASS
63
AREA
3388
HEIGHT
1803
25-Jun-2024
18:43



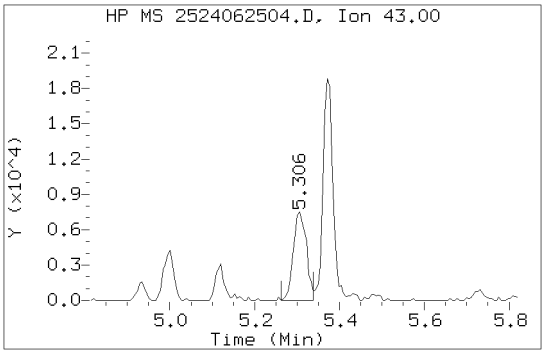
AFTER
MASS
63
AREA
649
HEIGHT
468
25-Jun-2024
19:31



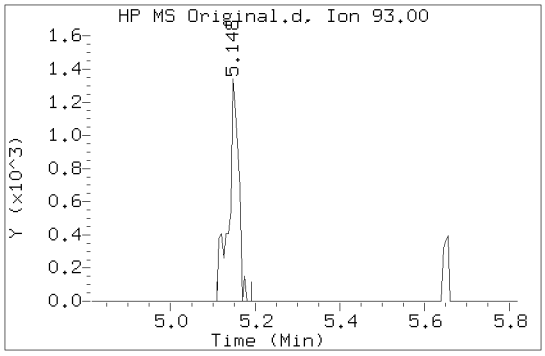
BEFORE
MASS
43
AREA
4716
HEIGHT
3124
25-Jun-2024
18:43



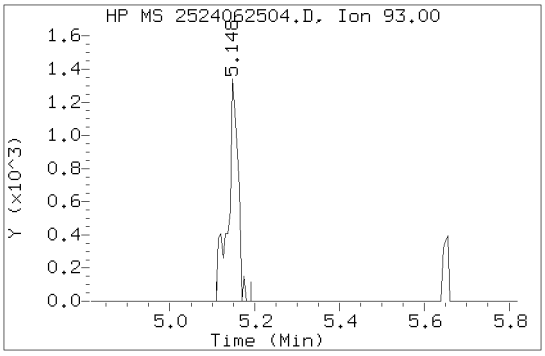
AFTER
MASS
43
AREA
16221
HEIGHT
7506
25-Jun-2024
19:31



BEFORE
MASS
93
AREA
2189
HEIGHT
1341
25-Jun-2024
18:43



AFTER
MASS
93
AREA
2189
HEIGHT
1341
25-Jun-2024
19:31

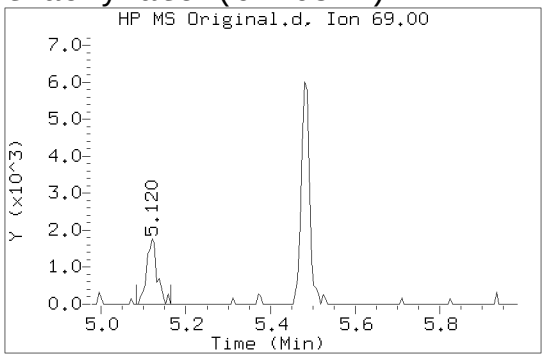


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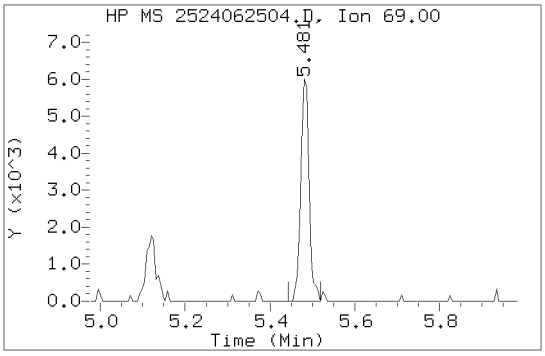
Ethyl Methacrylate (97-63-2)

Reason Code: H

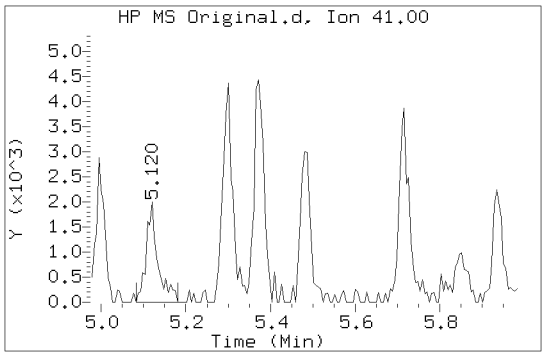
BEFORE
MASS
69
AREA
3115
HEIGHT
1778
25-Jun-2024
18:43



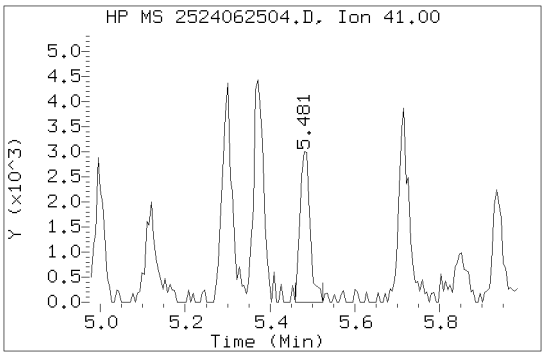
AFTER
MASS
69
AREA
8256
HEIGHT
6009
25-Jun-2024
19:31



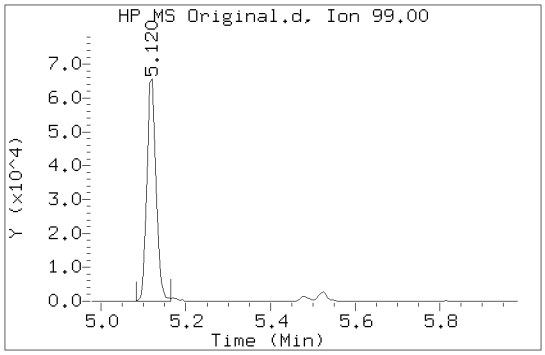
BEFORE
MASS
41
AREA
3826
HEIGHT
1996
25-Jun-2024
18:43



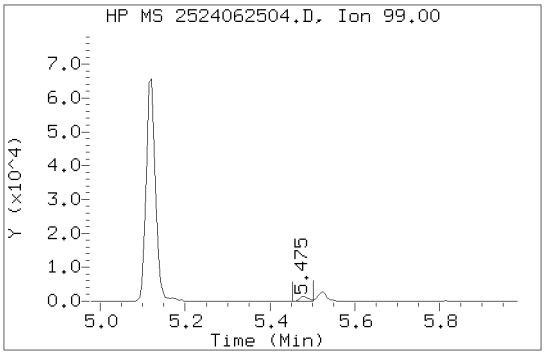
AFTER
MASS
41
AREA
4976
HEIGHT
2995
25-Jun-2024
19:31



BEFORE
MASS
99
AREA
99831
HEIGHT
65624
25-Jun-2024
18:43



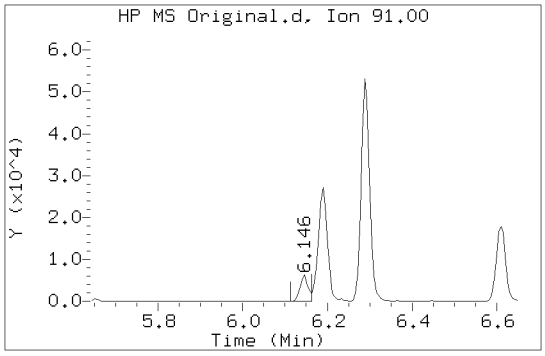
AFTER
MASS
99
AREA
1932
HEIGHT
1372
25-Jun-2024
19:31



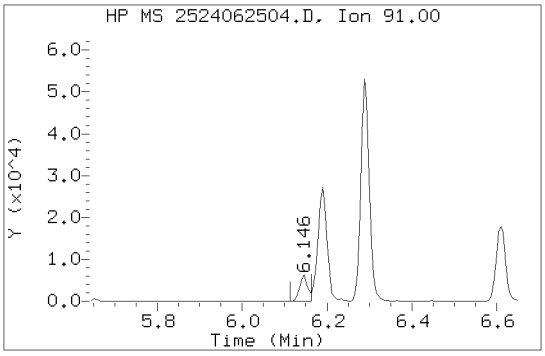
1-Chlorohexane (544-10-5)

Reason Code: I

BEFORE
MASS
91
AREA
8250
HEIGHT
6277
25-Jun-2024
18:43



AFTER
MASS
91
AREA
8250
HEIGHT
6277
25-Jun-2024
19:31

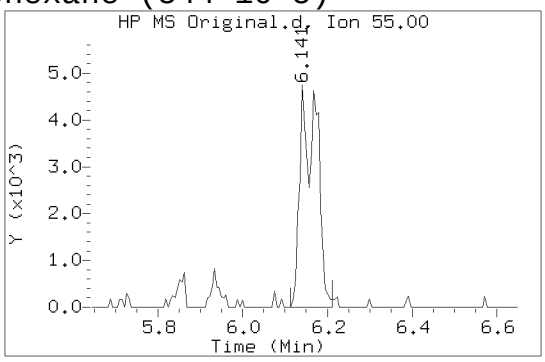


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LabSampID : 1234

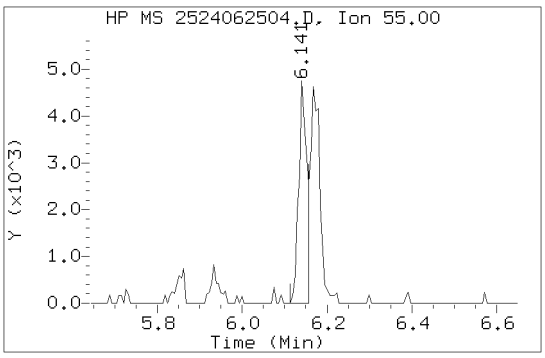
1-Chlorohexane (544-10-5)

Reason Code: I

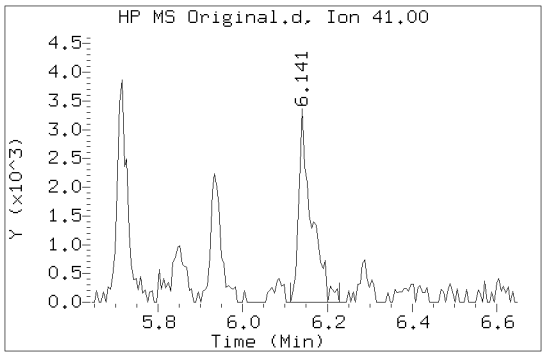
BEFORE
MASS
55
AREA
13140
HEIGHT
4749
25-Jun-2024
18:43



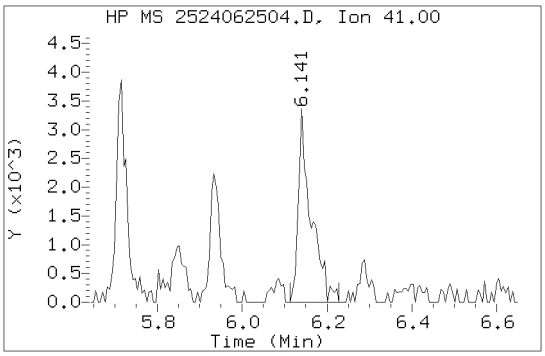
AFTER
MASS
55
AREA
6444
HEIGHT
4749
25-Jun-2024
19:31



BEFORE
MASS
41
AREA
7063
HEIGHT
3367
25-Jun-2024
18:43



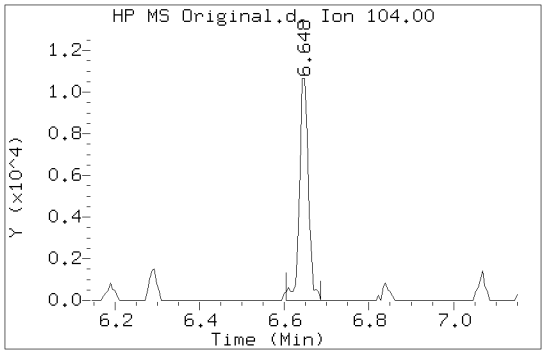
AFTER
MASS
41
AREA
7063
HEIGHT
3367
25-Jun-2024
19:31



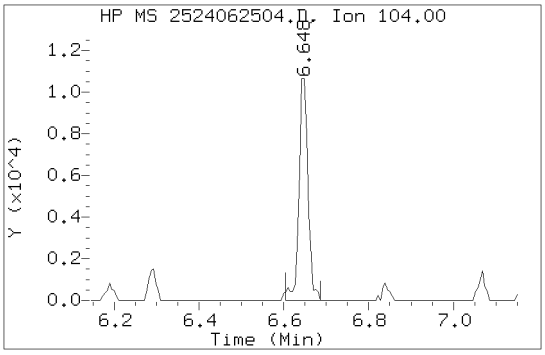
Styrene (100-42-5)

Reason Code: MP

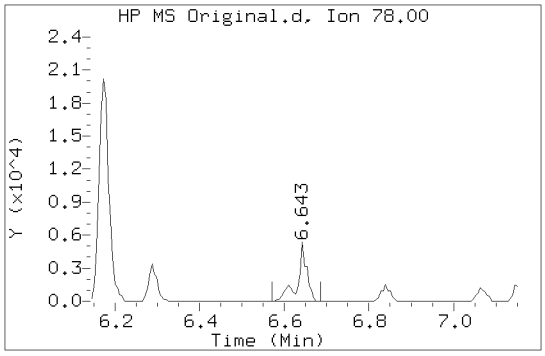
BEFORE
MASS
104
AREA
15866
HEIGHT
10647
25-Jun-2024
18:43



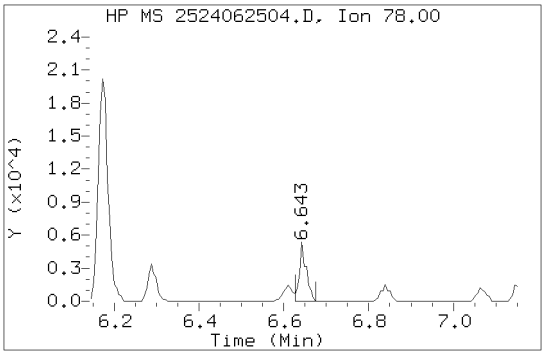
AFTER
MASS
104
AREA
15866
HEIGHT
10647
25-Jun-2024
19:31



BEFORE
MASS
78
AREA
8207
HEIGHT
5355
25-Jun-2024
18:43



AFTER
MASS
78
AREA
6144
HEIGHT
5355
25-Jun-2024
19:31

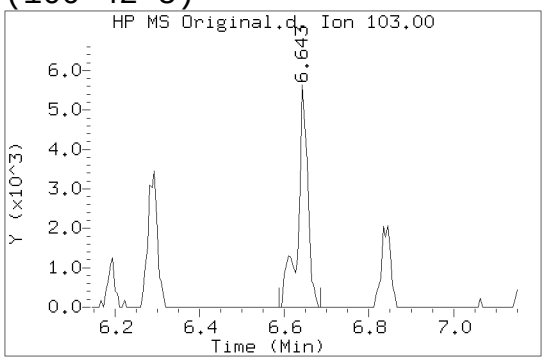


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Inj Date : 25-JUN-2024 11:23
InstruID : ms25.i
LabSampID : 1234

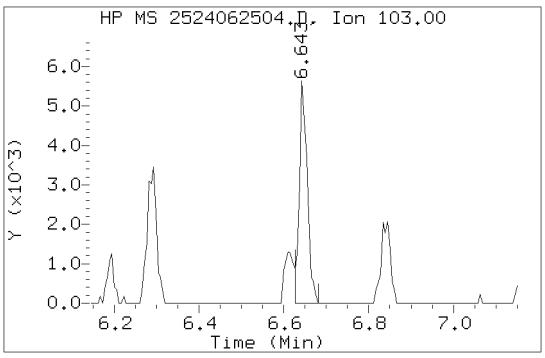
Styrene (100-42-5)

Reason Code: MP

BEFORE
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103
AREA
9253
HEIGHT
5637
25-Jun-2024
18:43



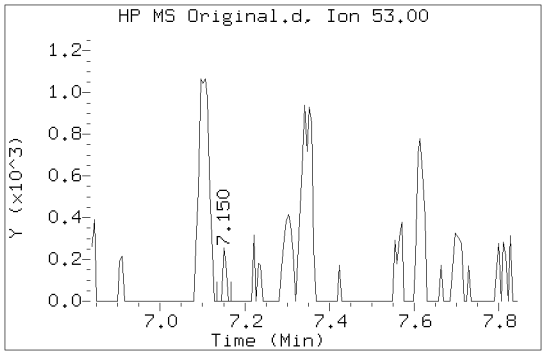
AFTER
MASS
103
AREA
7459
HEIGHT
5637
25-Jun-2024
19:31



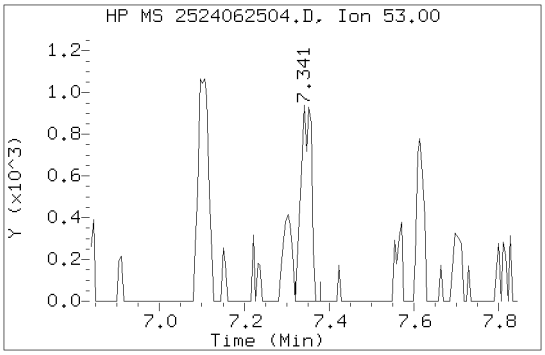
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: H

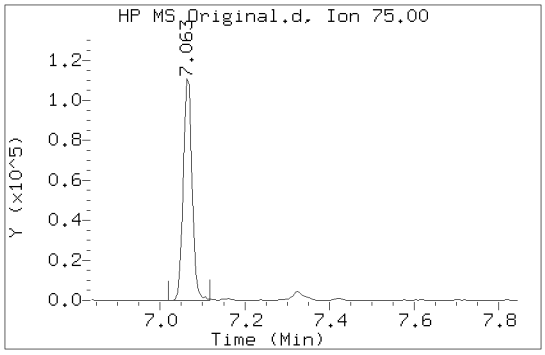
BEFORE
MASS
53
AREA
143
HEIGHT
257
25-Jun-2024
18:43



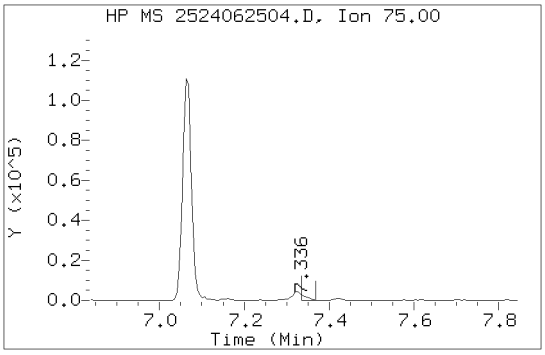
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AREA
1628
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25-Jun-2024
19:31



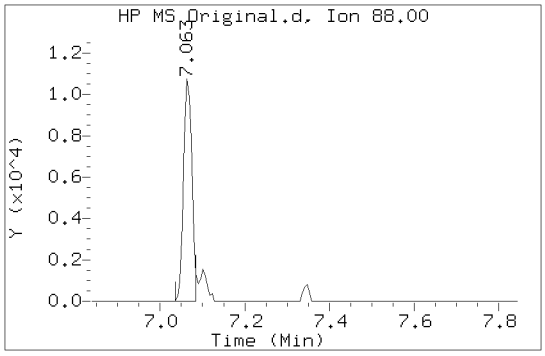
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AREA
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HEIGHT
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25-Jun-2024
18:43



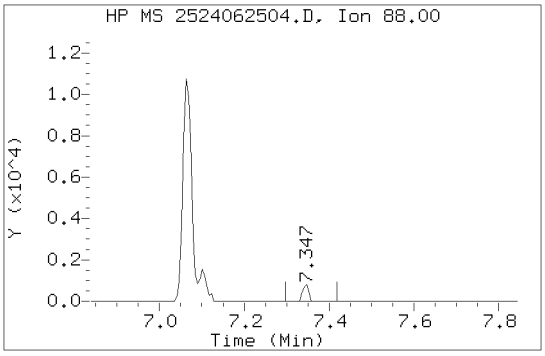
AFTER
MASS
75
AREA
2718
HEIGHT
2575
25-Jun-2024
19:31



BEFORE
MASS
88
AREA
14925
HEIGHT
10745
25-Jun-2024
18:43



AFTER
MASS
88
AREA
769
HEIGHT
794
25-Jun-2024
19:31

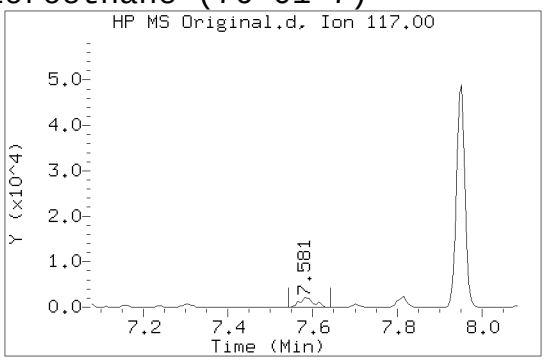


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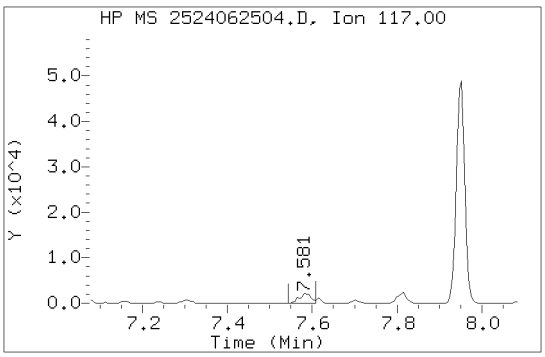
Pentachloroethane (76-01-7)

Reason Code: MP

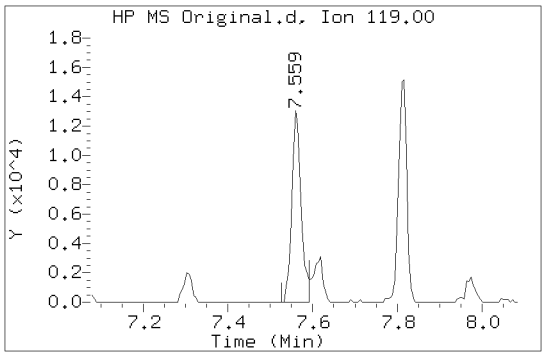
BEFORE
MASS
117
AREA
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HEIGHT
2162
25-Jun-2024
18:43



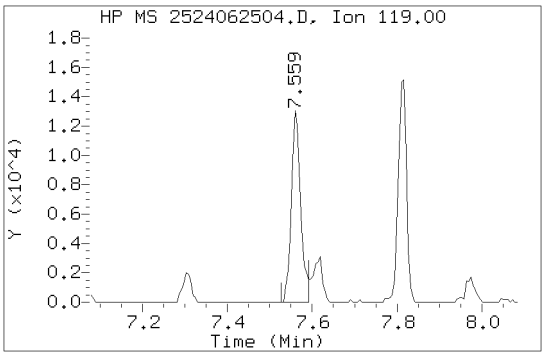
AFTER
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AREA
4178
HEIGHT
2162
25-Jun-2024
19:31



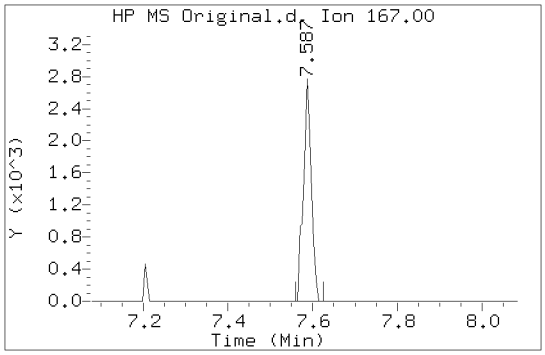
BEFORE
MASS
119
AREA
20109
HEIGHT
13053
25-Jun-2024
18:43



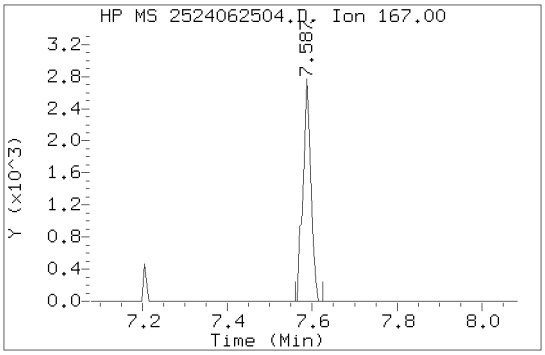
AFTER
MASS
119
AREA
20109
HEIGHT
13053
25-Jun-2024
19:31



BEFORE
MASS
167
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3610
HEIGHT
2772
25-Jun-2024
18:43



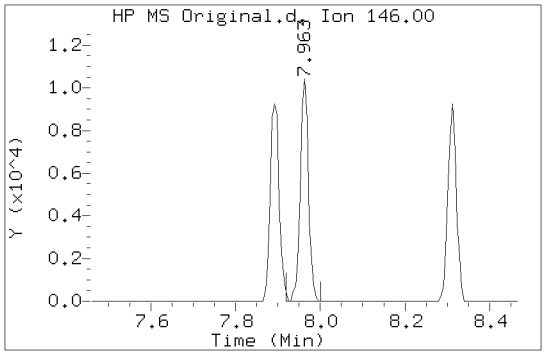
AFTER
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167
AREA
3610
HEIGHT
2772
25-Jun-2024
19:31



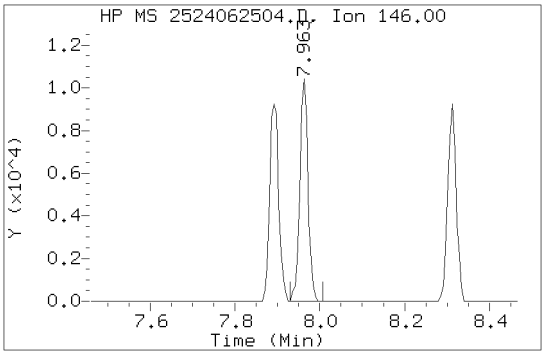
1,4-Dichlorobenzene (106-46-7)

Reason Code: I

BEFORE
MASS
146
AREA
14053
HEIGHT
10421
25-Jun-2024
18:43



AFTER
MASS
146
AREA
13912
HEIGHT
10421
25-Jun-2024
19:31

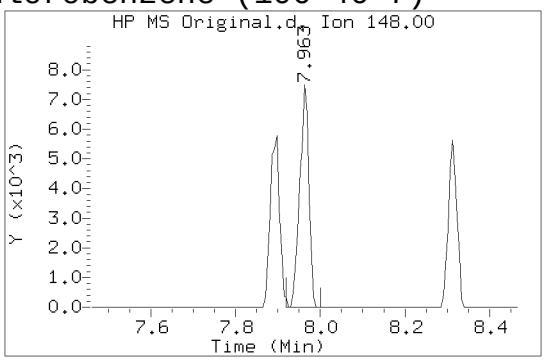


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InstruID : ms25.i
LabSampID : 1234

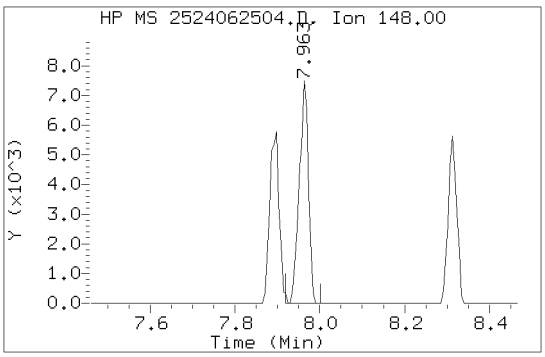
1,4-Dichlorobenzene (106-46-7)

Reason Code: I

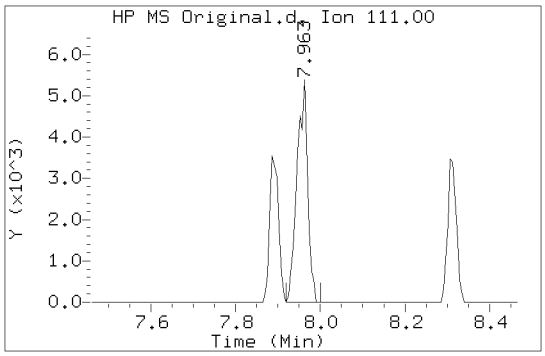
BEFORE
MASS
148
AREA
11321
HEIGHT
7492
25-Jun-2024
18:43



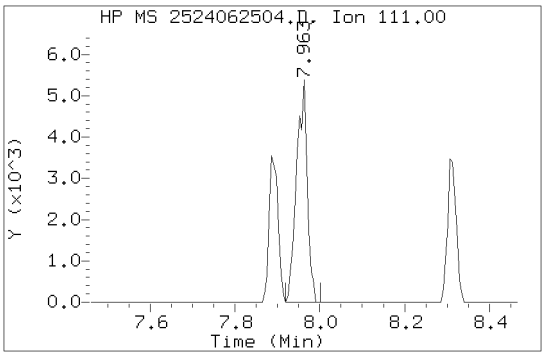
AFTER
MASS
148
AREA
11321
HEIGHT
7492
25-Jun-2024
19:31



BEFORE
MASS
111
AREA
9430
HEIGHT
5383
25-Jun-2024
18:43



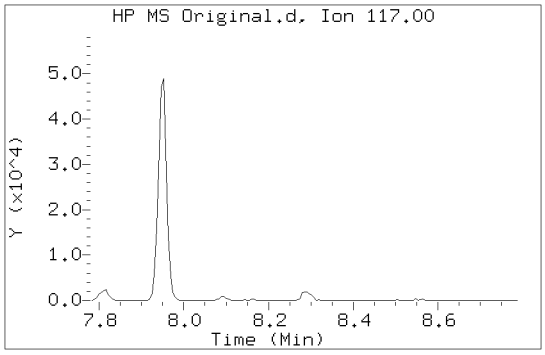
AFTER
MASS
111
AREA
9430
HEIGHT
5383
25-Jun-2024
19:31



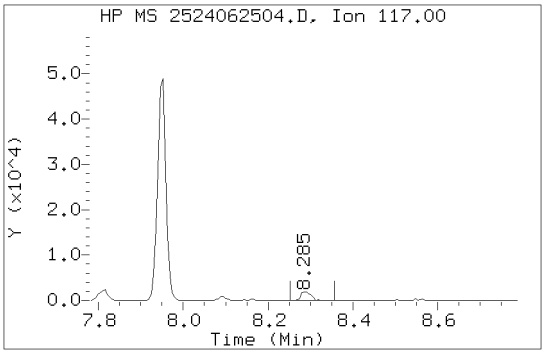
Hexachloroethane (67-72-1)

Reason Code: IH

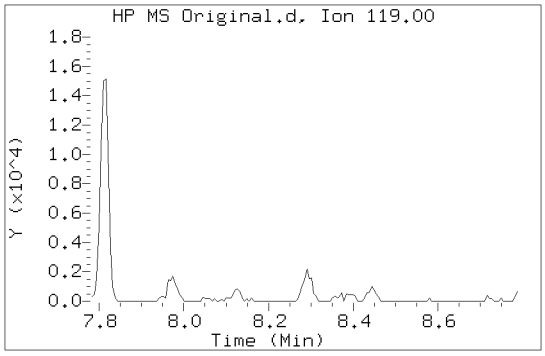
BEFORE
MASS
117
AREA
0
HEIGHT
0
25-Jun-2024
18:43



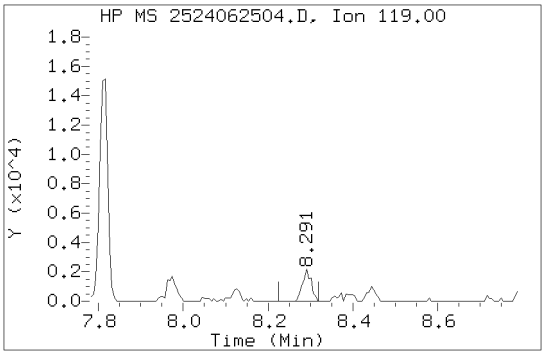
AFTER
MASS
117
AREA
3087
HEIGHT
1807
25-Jun-2024
19:31



BEFORE
MASS
119
AREA
0
HEIGHT
0
25-Jun-2024
18:43



AFTER
MASS
119
AREA
3118
HEIGHT
2195
25-Jun-2024
19:31



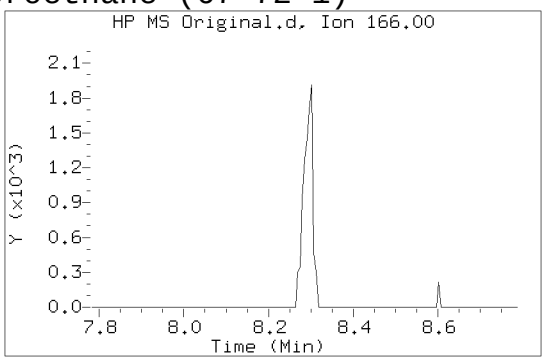
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Inj Date : 25-JUN-2024 11:23
InstruID : ms25.i
LabSampID : 1234

Hexachloroethane (67-72-1)

Reason Code: IH

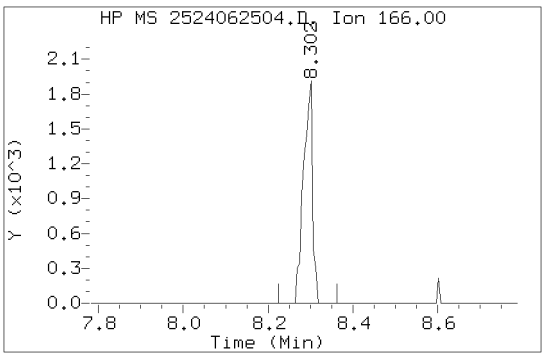
BEFORE

MASS
166
AREA
0
HEIGHT
0
25-Jun-2024
18:43



AFTER

MASS
166
AREA
2843
HEIGHT
1913
25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 11:23
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062505.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062505.D
Lab Smp Id: 1235
Inj Date : 25-JUN-2024 11:44
Operator : ILY Inst ID: ms25.i
Smp Info : 1235;;1;1;2;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\25-8260b09.m
Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	59688	5.00000	4.96098	
2 Chloromethane	50	1.644	1.645	(0.394)	52986	5.00000	4.93802	
3 Vinyl Chloride	62	1.704	1.705	(0.409)	67532	5.00000	4.96514	
4 Bromomethane	94	1.923	1.923	(0.461)	37472	5.00000	5.36670	
5 Chloroethane	64	2.004	2.005	(0.481)	49249	5.00000	5.08571	
6 Pentane	41	2.092	2.092	(0.502)	50203	5.00000	4.98935	
7 Trichlorofluoromethane	101	2.097	2.103	(0.503)	94521	5.00000	5.07354	
8 Dichlorofluoromethane	67	2.124	2.125	(0.509)	91911	5.00000	5.33176	
9 Ethyl Ether	74	2.277	2.278	(0.546)	26048	5.00000	4.96900	
10 1,1-Dichloroethene	61	2.414	2.409	(0.579)	53755	5.00000	5.13888	
11 Freon 113	101	2.424	2.425	(0.581)	39179	5.00000	5.32509	
12 Carbon Disulfide	76	2.446	2.447	(0.587)	109252	5.00000	4.84162	
13 Iodomethane	127	2.512	2.507	(0.602)	12856	5.00000	3.64919	
14 Acrolein	56	2.599	2.600	(0.623)	41537	25.0000	24.6179	
15 Isopropyl Alcohol	45	2.654	2.654	(0.636)	13242	25.0000	21.1377	
16 3-Chloro-1-propene	41	2.681	2.676	(0.643)	45996	5.00000	5.20289	
17 Methylene Chloride	84	2.741	2.741	(0.657)	44601	5.00000	5.21982	
18 Acetone	58	2.757	2.752	(0.661)	22973	25.0000	24.2671	
19 Methyl acetate	74	2.817	2.812	(0.676)	9079	5.00000	4.28588(Q)	
20 trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	52215	5.00000	5.09647	
21 Hexane	57	2.861	2.867	(0.686)	86426	5.00000	4.80758	

Data File: 2524062505.D
Report Date: 25-Jun-2024 19:32

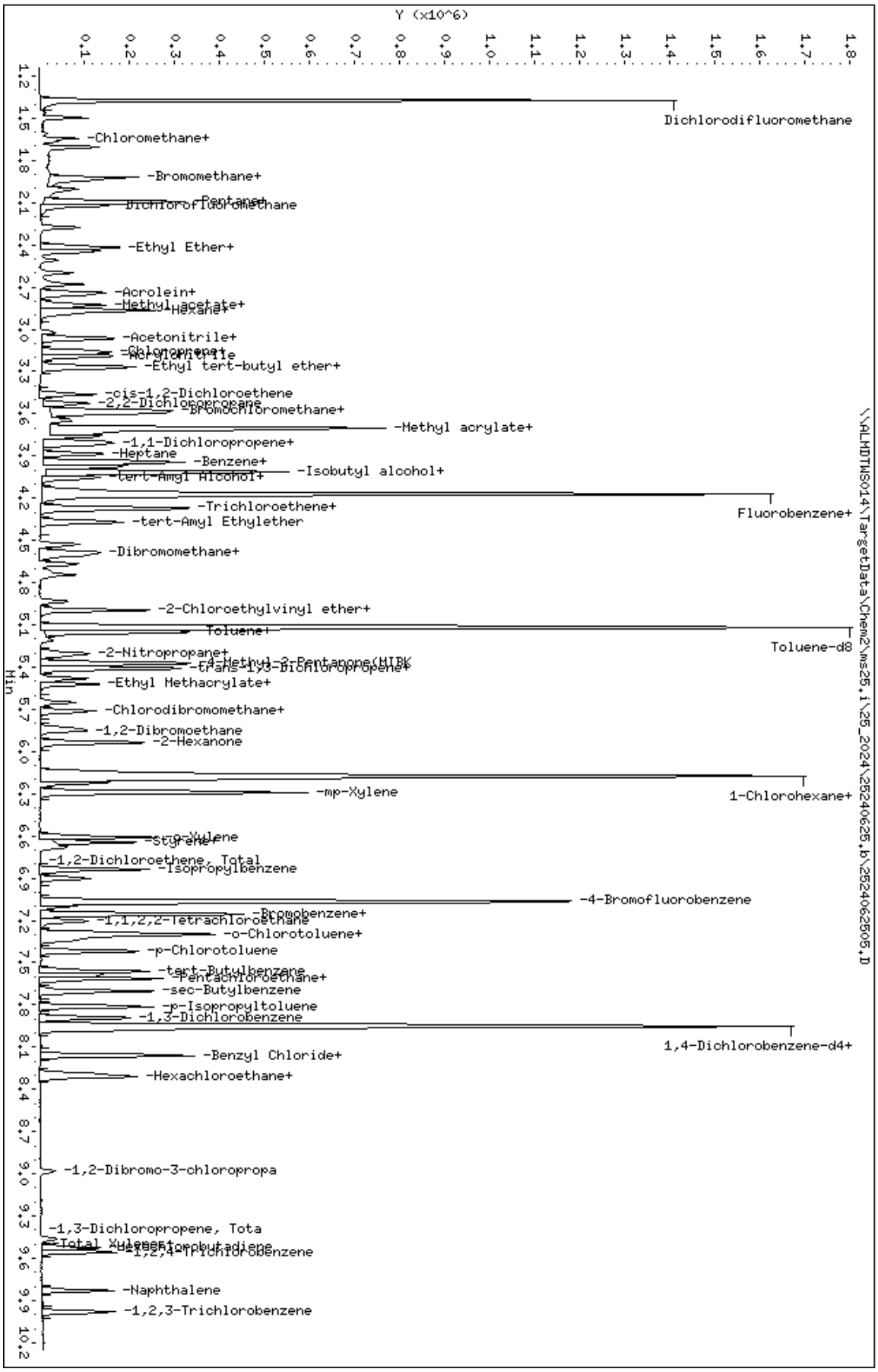
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	120315	5.00000	4.78736	
	23 tert.- Butyl Alcohol	59	2.899	2.889	(0.695)	21867	25.0000	23.1385	
	24 Acetonitrile	41	3.025	3.020	(0.725)	27036	25.0000	25.5395	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	116696	5.00000	5.13219	
	26 Chloroprene	53	3.156	3.156	(0.757)	56434	5.00000	4.89543	
	27 1,1-Dichloroethane	63	3.167	3.167	(0.759)	73188	5.00000	5.24341	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	92982	25.0000	25.5783(M)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	120519	5.00000	4.99047	
	30 n-Propanol	41	3.265	3.260	(0.783)	21478	50.0000	47.9463(Q)	
	31 Vinyl Acetate	86	3.276	3.276	(0.785)	9677	5.00000	4.41305	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	53300	5.00000	5.13080	
	33 2,2-Dichloropropane	77	3.527	3.522	(0.846)	56064	5.00000	5.03959(M)	I
	34 Bromochloromethane	128	3.576	3.576	(0.857)	23110	5.00000	5.15866	
	35 Cyclohexane	84	3.587	3.587	(0.860)	62260	5.00000	4.99491	
	36 Chloroform	83	3.603	3.598	(0.864)	77923	5.00000	5.17135	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	42053	5.00000	4.57672	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	40449	5.00000	4.83542	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	45979	5.00000	4.53007(M)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	264311	30.0000	30.8069	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	61844	25.0000	24.1831	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	58962	5.00000	5.02729	
	43 2-Butanone	72	3.761	3.767	(0.902)	30643	25.0000	24.7867(M)	MP
	44 1,1-Dichloropropene	75	3.800	3.800	(0.911)	57187	5.00000	5.15476	
	45 1-Chlorobutane	41	3.816	3.822	(0.915)	35980	5.00000	5.04323(M)	I
	46 Heptane	71	3.887	3.887	(0.932)	33214	5.00000	5.15312	
	47 Benzene	78	3.941	3.942	(0.945)	171818	5.00000	5.03878	
	48 Propionitrile	54	3.941	3.942	(0.945)	33201	25.0000	24.1189(M)	I
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	19135	5.00000	4.63708(Q)	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	112448	5.00000	4.82365	
	54 Isobutyl alcohol	42	3.985	3.980	(0.956)	7621	50.0000	40.0273(M)	MP
$	51 1,2-Dichloroethane-d4	65	4.018	4.013	(0.963)	286783	30.0000	31.7090(M)	MP
	52 1,2-Dichloroethane	62	4.051	4.056	(0.971)	53935	5.00000	5.03156(M)	I
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	15711	25.0000	21.6680	
*	55 Fluorobenzene	96	4.171	4.171	(1.000)	1087359	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	125872	5.00000	4.65034	
	57 Trichloroethene	95	4.269	4.269	(1.024)	41892	5.00000	4.85420	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	69627	5.00000	5.02555	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	87789	5.00000	4.55944	
	60 Dibromomethane	93	4.525	4.526	(1.085)	26239	5.00000	4.80949	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	40983	5.00000	4.99373	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	47880	5.00000	4.49673	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	31161	5.00000	4.79757(M)	I
	64 1,4-Dioxane	88	4.716	4.722	(1.131)	16306	125.000	128.349	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	23423	5.00000	4.24126	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	57636	5.00000	4.24765	
	67 Octane	85	5.000	5.000	(0.810)	25331	5.00000	4.82204	
$	68 Toluene-d8	98	5.115	5.120	(0.829)	1052255	30.0000	31.1164	
	69 Toluene	92	5.153	5.153	(0.835)	103607	5.00000	4.83383	
	70 Chloroacetonitrile	75	5.213	5.208	(0.844)	11858	25.0000	22.1928	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	42330	25.0000	19.7446	
	72 1,1-Dichloro-2-Propanone	63	5.316	5.317	(0.861)	4269	25.0000	20.5794(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	187763	25.0000	23.1030	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	54063	5.00000	4.31303	
	74 Tetrachloroethene	164	5.415	5.410	(0.877)	39410	5.00000	5.04948	

Data File: 2524062505.D
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.486	5.481	(0.889)	51147	5.00000	4.24986	
	77 1,1,2-Trichloroethane	83	5.518	5.524	(0.894)	33140	5.00000	5.03234	
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	36996	5.00000	4.30237	
	79 1,3-Dichloropropane	76	5.715	5.710	(0.926)	64110	5.00000	4.92726	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	39025	5.00000	4.66538	
	81 2-Hexanone	43	5.933	5.933	(0.961)	125367	25.0000	22.6028	
	82 1-Chlorohexane	91	6.140	6.146	(0.995)	57356	5.00000	5.08663	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	427126	30.0000		
	84 Chlorobenzene	112	6.184	6.184	(1.002)	109743	5.00000	5.02430	
	85 Ethylbenzene	106	6.189	6.190	(1.003)	58271	5.00000	4.44077	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	34773	5.00000	4.50754	
	87 mp-Xylene	106	6.288	6.288	(1.019)	154227	10.0000	9.45903	
	88 o-Xylene	106	6.610	6.610	(1.071)	65518	5.00000	4.50743	
	89 Styrene	104	6.648	6.648	(0.836)	91709	5.00000	4.30376(M)	MP
	90 Bromoform	173	6.681	6.686	(0.840)	22861	5.00000	3.89465	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	150199	5.00000	4.86385	
M	100 1,2-Dichloroethene, Total	61				105515	10.0000	10.2273	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	325457	30.0000	30.6043	
	93 Bromobenzene	156	7.155	7.156	(0.900)	45273	5.00000	4.98138	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	44738	5.00000	4.81386	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	44390	5.00000	4.91408	
	96 o-Chlorotoluene	91	7.292	7.292	(0.917)	121483	5.00000	4.96837	
	97 1,3,5-Trimethylbenzene	105	7.303	7.303	(0.918)	125150	5.00000	4.83861	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	14852	5.00000	5.09769	
	99 trans-1,4-Dichloro-2-butene	53	7.341	7.341	(0.923)	11562	5.00000	4.43705(M)	MP
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	111173	5.00000	5.01963	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	32108	5.00000	5.19039	
	103 Pentachloroethane	117	7.586	7.581	(0.954)	25931	5.00000	4.44207(M)	MP
	104 1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	132392	5.00000	4.69630(M)	I
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	163354	5.00000	5.11007	
	106 p-Isopropyltoluene	134	7.810	7.816	(0.982)	37381	5.00000	5.10636	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	77113	5.00000	5.03629	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	384401	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	77858	5.00000	4.87835	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	12513	5.00000	3.70991(Q)	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	31794	5.00000	4.64753(Q)	
	112 Hexachloroethane	117	8.290	8.285	(1.043)	20694	5.00000	4.13218	
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	71870	5.00000	4.92763	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	6452	5.00000	4.11789	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	15593	50.0000	31.0878	
	116 Hexachlorobutadiene	225	9.523	9.524	(1.198)	21249	5.00000	4.63313	
M	120 1,3-Dichloropropene, Total	75				111699	10.0000	8.56068	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	44395	5.00000	4.59634	
M	121 Total Xylenes	106				219745	15.0000	13.9665	
	118 Naphthalene	128	9.829	9.829	(1.236)	109460	5.00000	4.15104	
	119 1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	45198	5.00000	4.43252	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

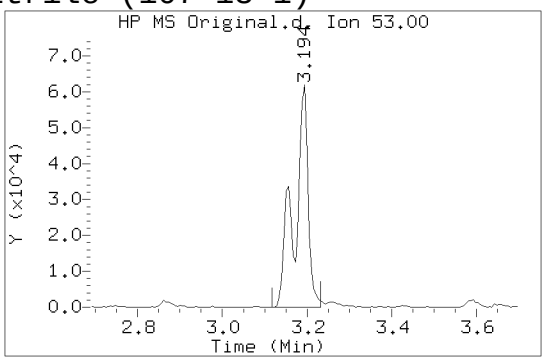

Y (x10^6)
Min
Dichlorodifluoromethane
-Chloromethane+
-Bromomethane+
-Ethyl Ether+
-Acrolein+
-Methyl acetate+
-Hexane+
-Acetonitrile+
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-Methyl acrylate+
-1,1-Dichloropropene+
-Heptane
-Benzene+
-Isobutyl alcohol+
Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane+
-2-Chloroethylvinyl ether+
Toluene-d8
-2-Nitropropane+
-Ethyl Methacrylate+
-Chlorodibromomethane+
-1,2-Dibromoethane
-2-Hexanone
1-Chlorohexane+
-mp-Xylene
-Styrene+
-1,2-Dichloroethene, Total
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-o-Chlorotoluene+
-p-Chlorotoluene
-tert-Butylbenzene
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
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Column phase: DB-VRX
Instrument: ms25,i
Operator: ILY
Column diameter: 0.25
Page 1

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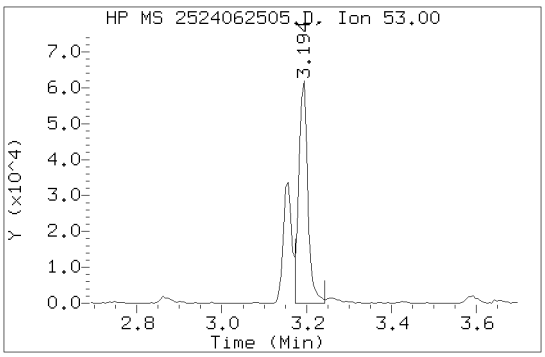
Acrylonitrile (107-13-1)

Reason Code: MP

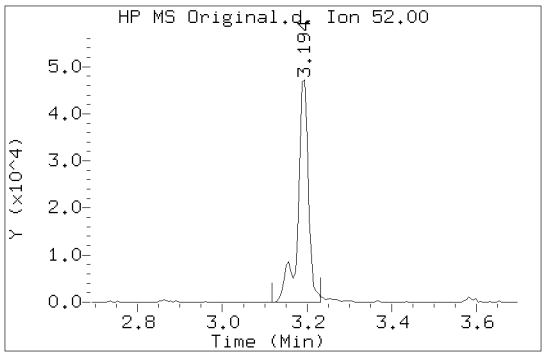
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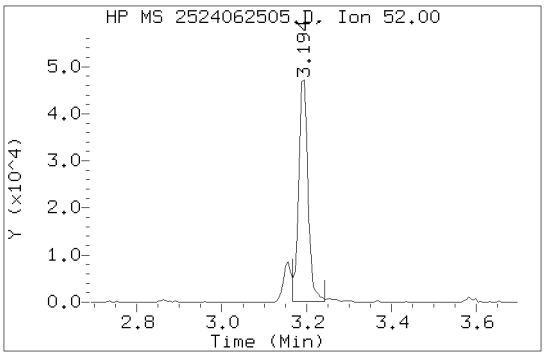
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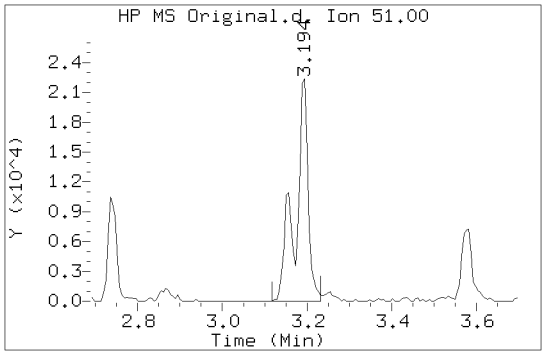
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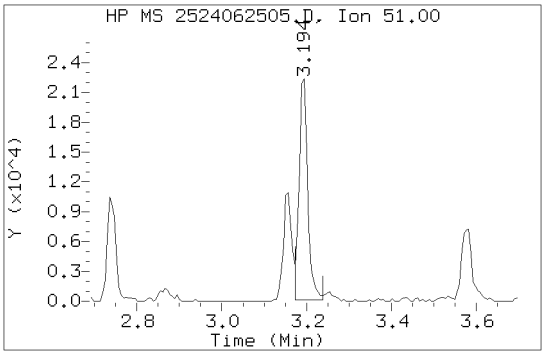
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HEIGHT
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25-Jun-2024
18:35



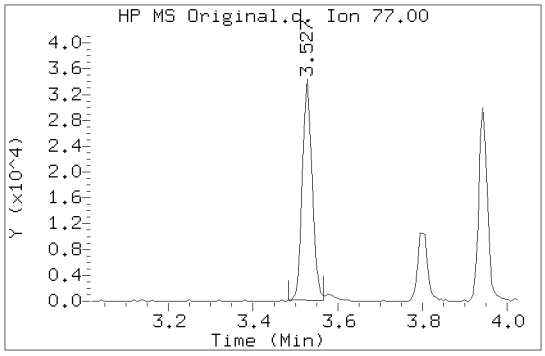
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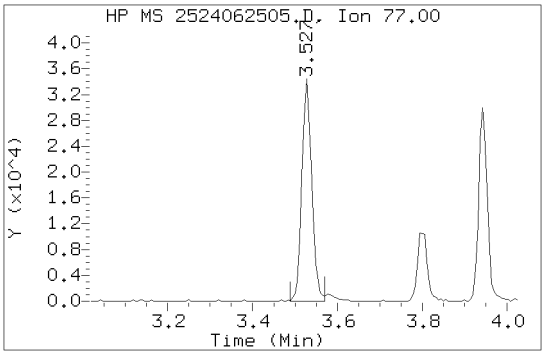
2,2-Dichloropropane (594-20-7)

Reason Code: I

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AFTER
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25-Jun-2024
19:31

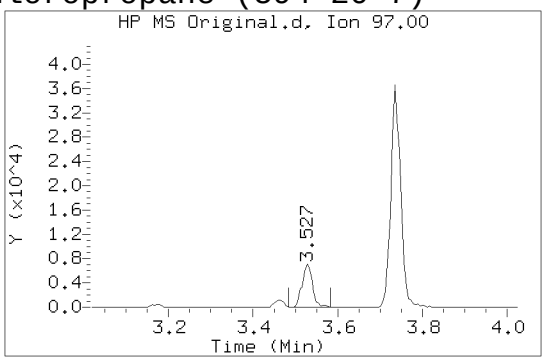


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LabSampID : 1235

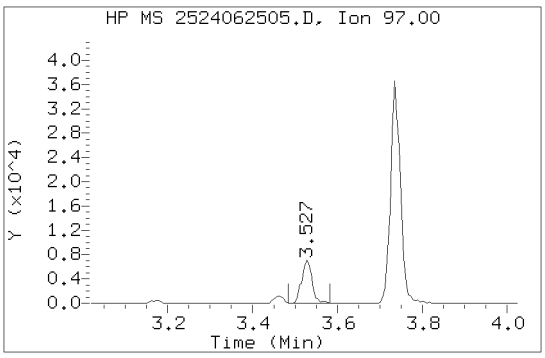
2,2-Dichloropropane (594-20-7)

Reason Code: I

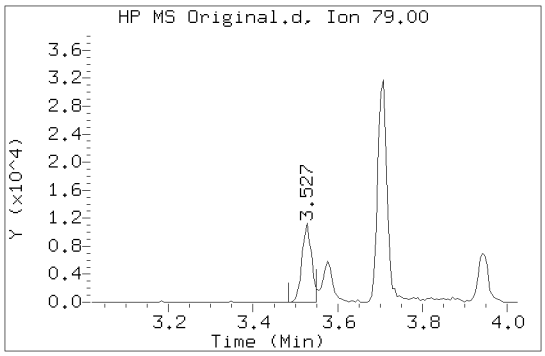
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25-Jun-2024
18:35



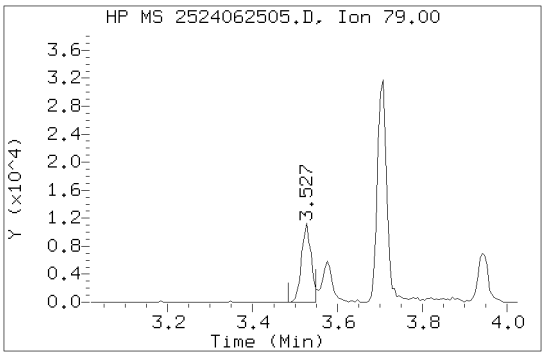
AFTER
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19:31



BEFORE
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25-Jun-2024
18:35



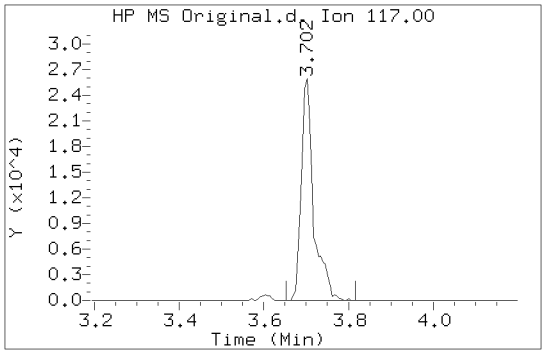
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25-Jun-2024
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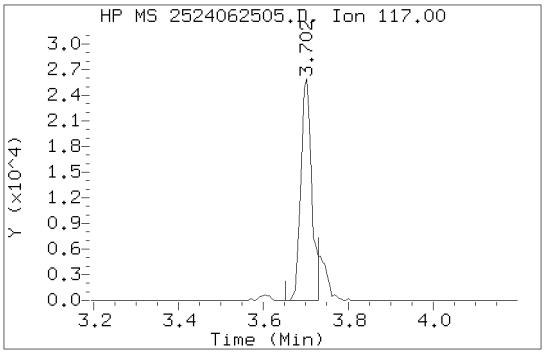
Carbon Tetrachloride (56-23-5)

Reason Code: MP

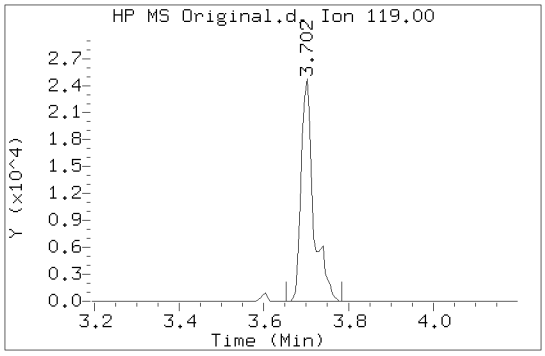
BEFORE
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HEIGHT
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25-Jun-2024
18:35



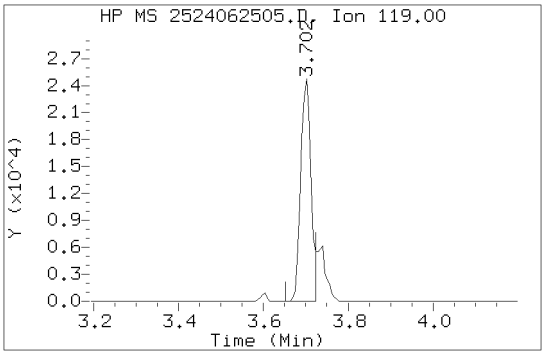
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25936
25-Jun-2024
19:31



BEFORE
MASS
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AREA
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25-Jun-2024
18:35



AFTER
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HEIGHT
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25-Jun-2024
19:31



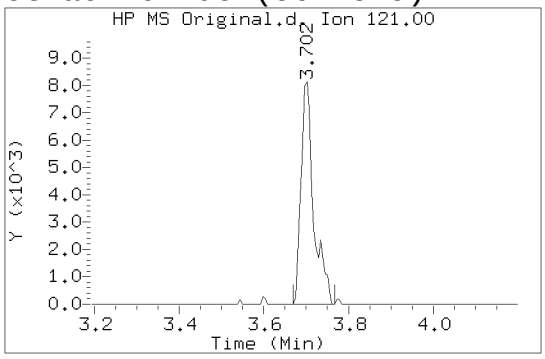
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LabSampID : 1235

Carbon Tetrachloride (56-23-5)

Reason Code: MP

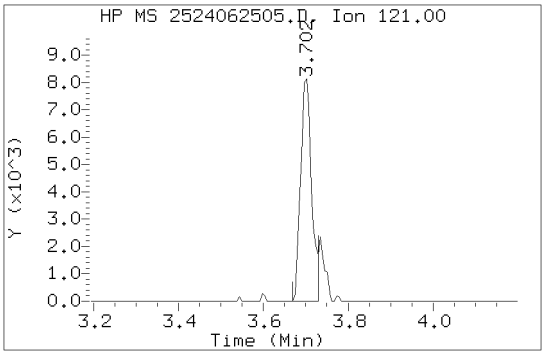
BEFORE

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18:35



AFTER

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25-Jun-2024
19:31

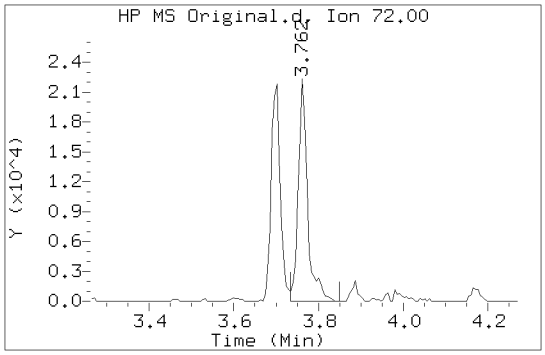


2-Butanone (78-93-3)

Reason Code: MP

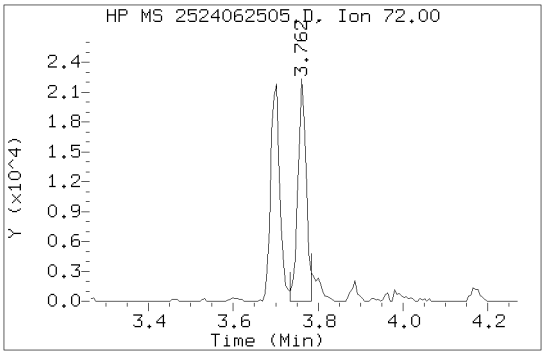
BEFORE

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AREA
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HEIGHT
22336
25-Jun-2024
18:35



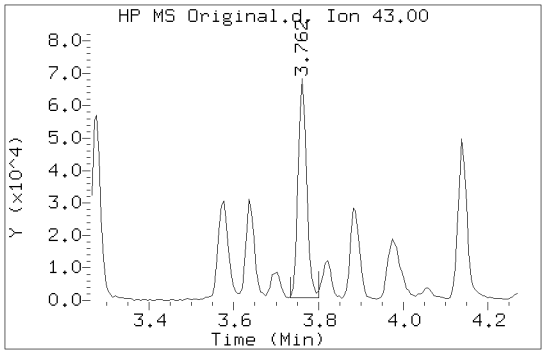
AFTER

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25-Jun-2024
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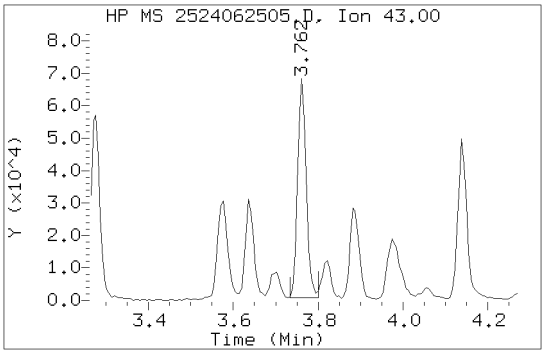
BEFORE

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25-Jun-2024
18:35



AFTER

MASS
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HEIGHT
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25-Jun-2024
19:31

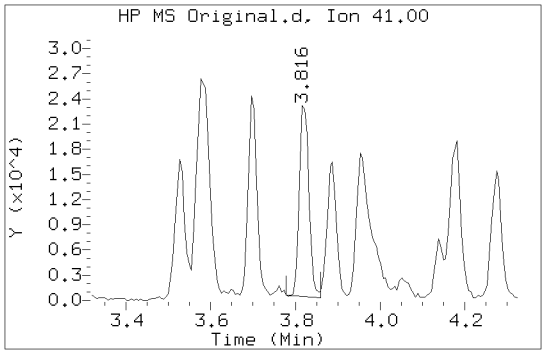


1-Chlorobutane (109-69-3)

Reason Code: I

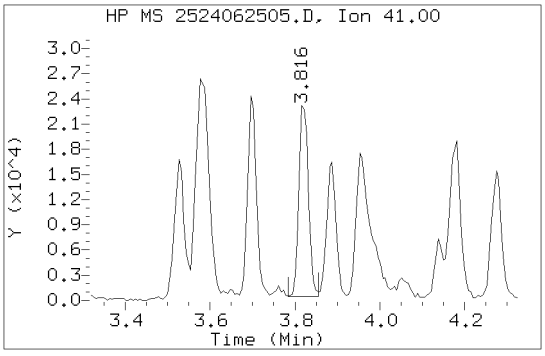
BEFORE

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18:35



AFTER

MASS
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HEIGHT
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25-Jun-2024
19:31

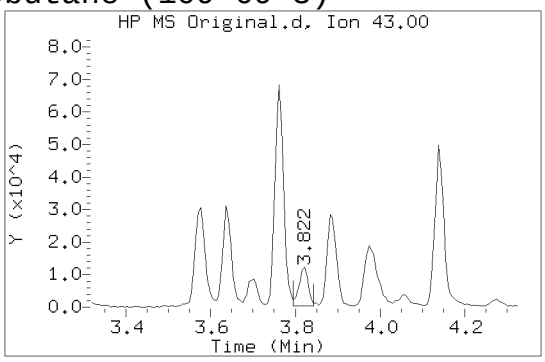


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InstruID : ms25.i
LabSampID : 1235

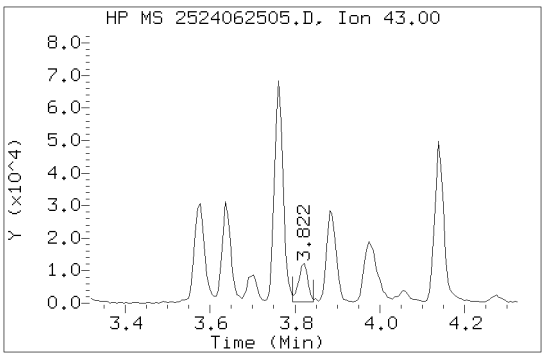
1-Chlorobutane (109-69-3)

Reason Code: I

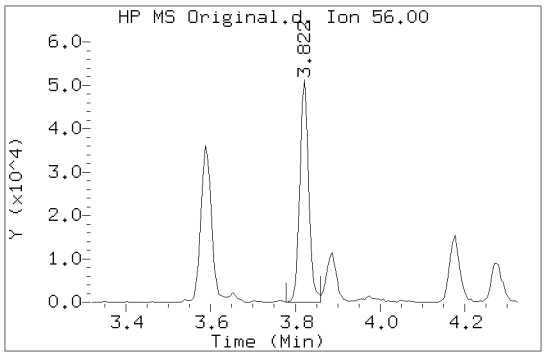
BEFORE
MASS
43
AREA
18123
HEIGHT
11751
25-Jun-2024
18:35



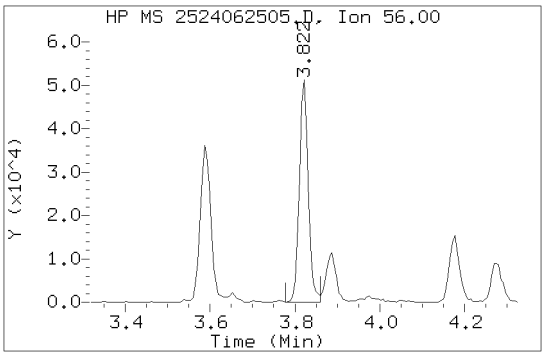
AFTER
MASS
43
AREA
18123
HEIGHT
11751
25-Jun-2024
19:31



BEFORE
MASS
56
AREA
74900
HEIGHT
51272
25-Jun-2024
18:35



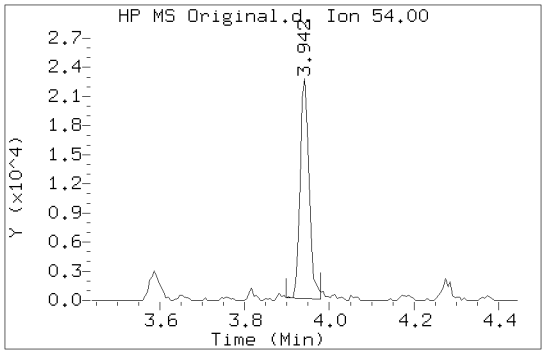
AFTER
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HEIGHT
51272
25-Jun-2024
19:31



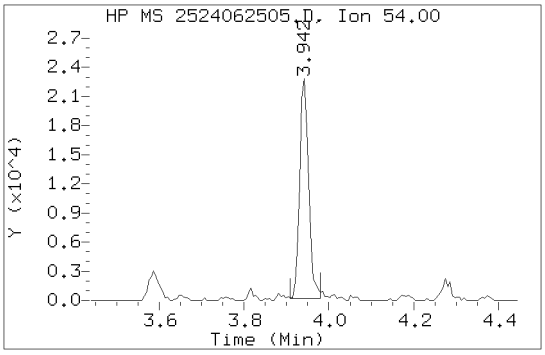
Propionitrile (107-12-0)

Reason Code: I

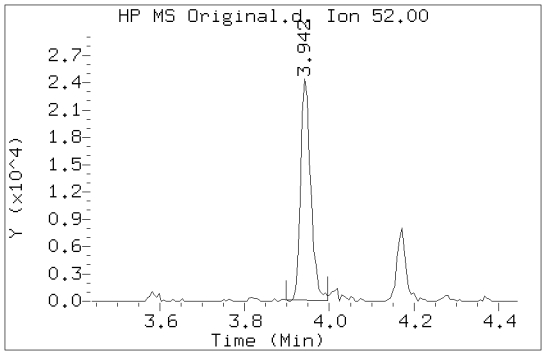
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54
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HEIGHT
22634
25-Jun-2024
18:35



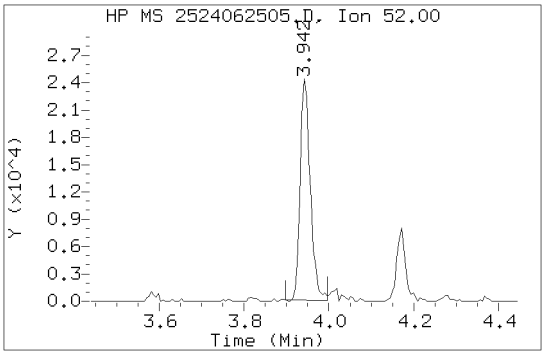
AFTER
MASS
54
AREA
33201
HEIGHT
22616
25-Jun-2024
19:31



BEFORE
MASS
52
AREA
40274
HEIGHT
24303
25-Jun-2024
18:35



AFTER
MASS
52
AREA
40274
HEIGHT
24303
25-Jun-2024
19:31

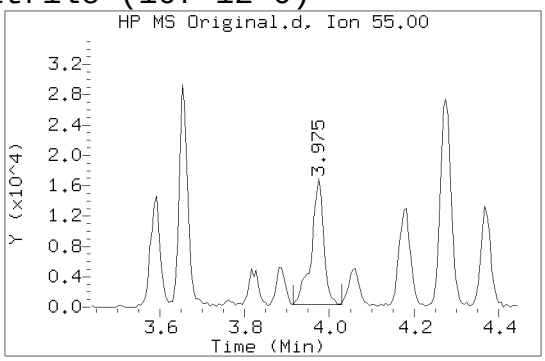


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LabSampID : 1235

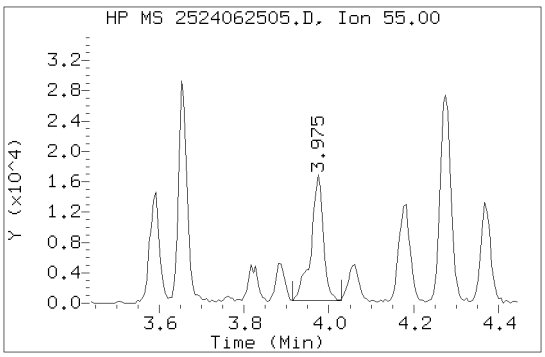
Propionitrile (107-12-0)

Reason Code: I

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55
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33579
HEIGHT
16614
25-Jun-2024
18:35



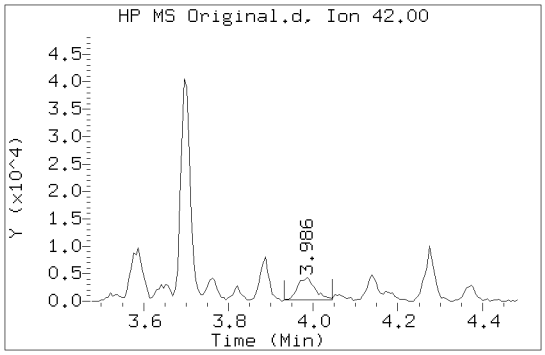
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HEIGHT
16614
25-Jun-2024
19:31



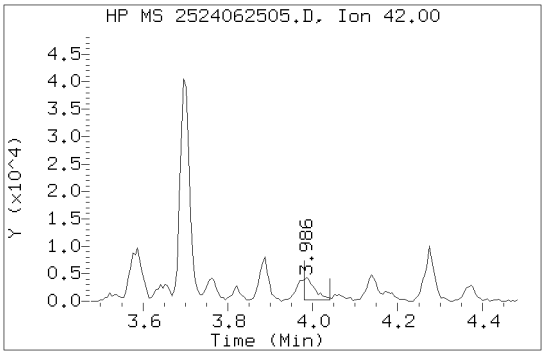
Isobutyl alcohol (78-83-1)

Reason Code: MP

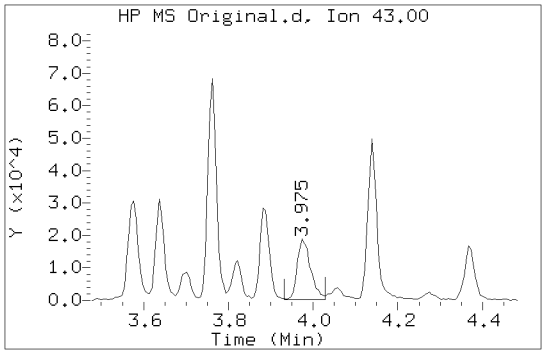
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42
AREA
12012
HEIGHT
4113
25-Jun-2024
18:35



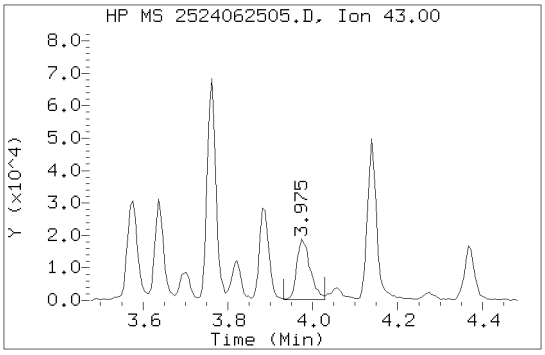
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AREA
7621
HEIGHT
4107
25-Jun-2024
19:31



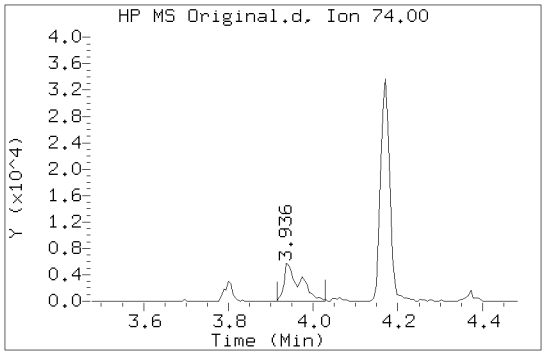
BEFORE
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43
AREA
41216
HEIGHT
18776
25-Jun-2024
18:35



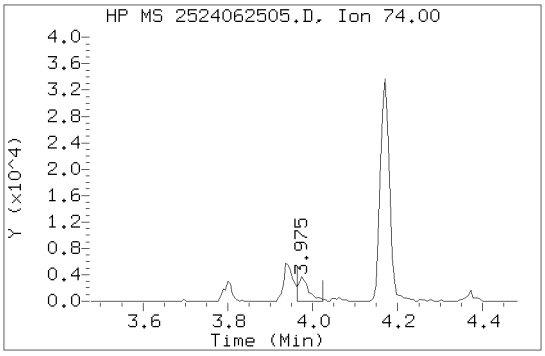
AFTER
MASS
43
AREA
41216
HEIGHT
18776
25-Jun-2024
19:31



BEFORE
MASS
74
AREA
15051
HEIGHT
5773
25-Jun-2024
18:35



AFTER
MASS
74
AREA
6220
HEIGHT
3685
25-Jun-2024
19:31

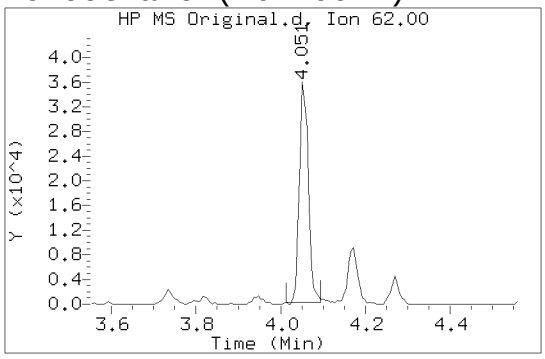


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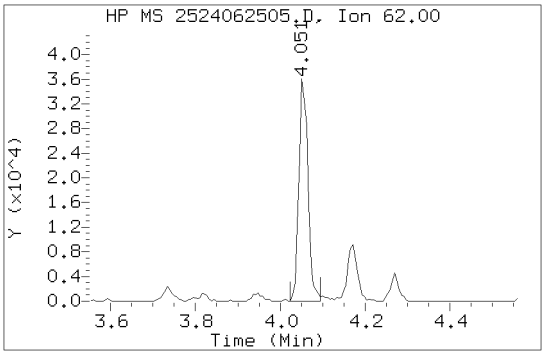
1,2-Dichloroethane (107-06-2)

Reason Code: I

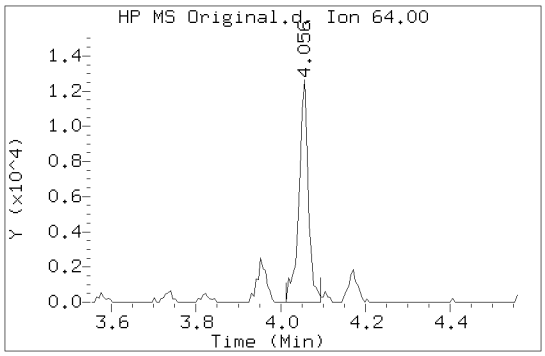
BEFORE
MASS
62
AREA
52620
HEIGHT
35766
25-Jun-2024
18:35



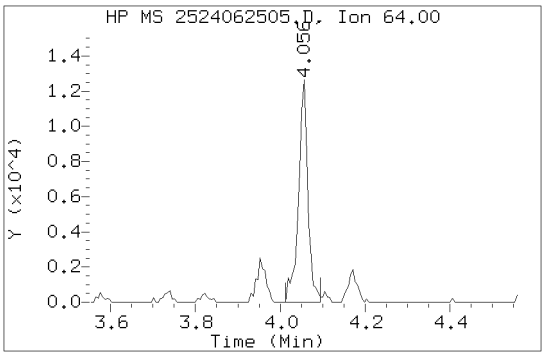
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62
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53935
HEIGHT
36034
25-Jun-2024
19:31



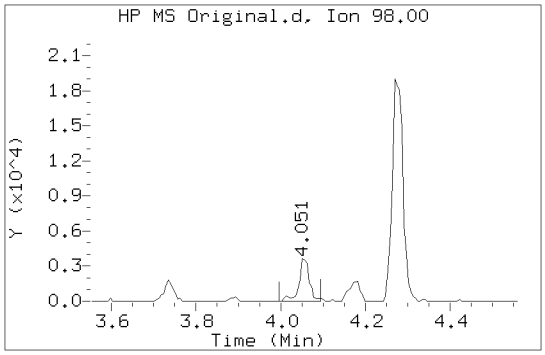
BEFORE
MASS
64
AREA
19445
HEIGHT
12637
25-Jun-2024
18:35



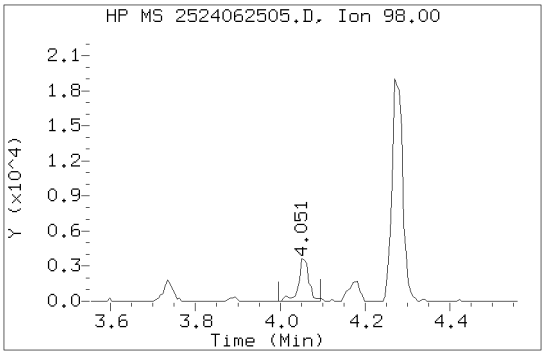
AFTER
MASS
64
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19445
HEIGHT
12637
25-Jun-2024
19:31



BEFORE
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98
AREA
6242
HEIGHT
3640
25-Jun-2024
18:35



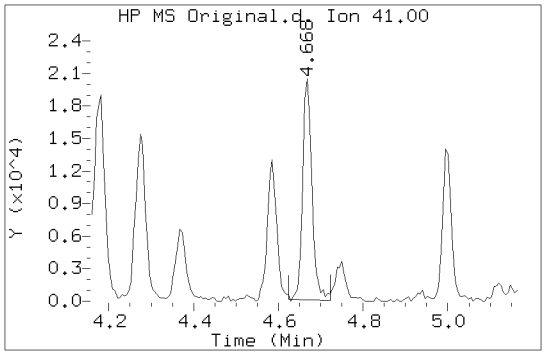
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MASS
98
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6242
HEIGHT
3640
25-Jun-2024
19:31



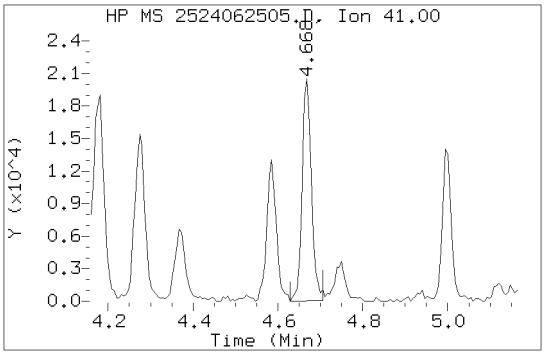
Methyl methacrylate (80-62-6)

Reason Code: I

BEFORE
MASS
41
AREA
31353
HEIGHT
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25-Jun-2024
18:35



AFTER
MASS
41
AREA
31161
HEIGHT
20475
25-Jun-2024
19:31

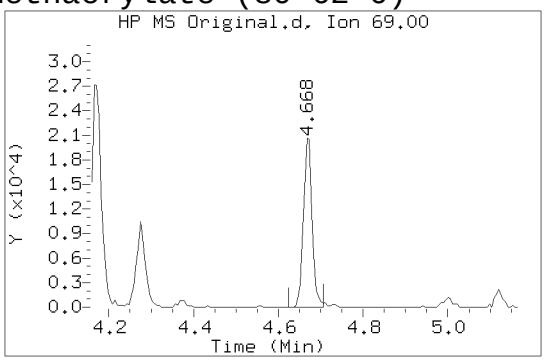


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LabSampID : 1235

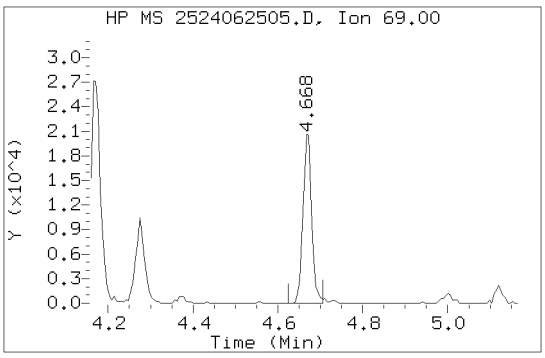
Methyl methacrylate (80-62-6)

Reason Code: I

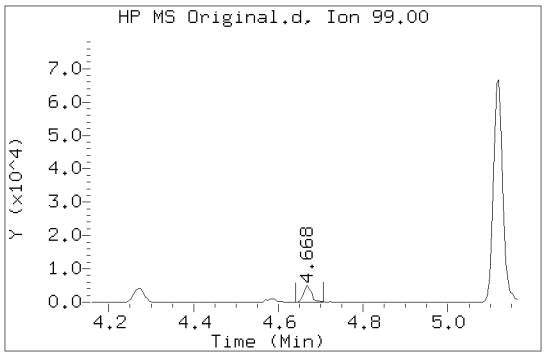
BEFORE
MASS
69
AREA
29450
HEIGHT
20640
25-Jun-2024
18:35



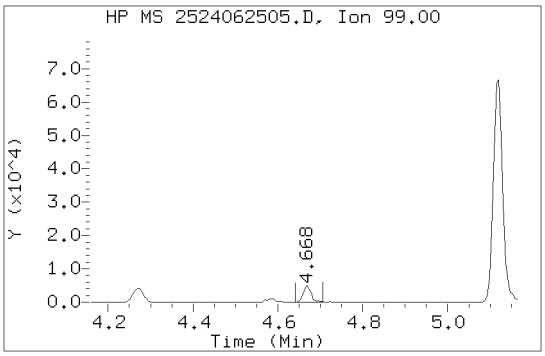
AFTER
MASS
69
AREA
29450
HEIGHT
20640
25-Jun-2024
19:31



BEFORE
MASS
99
AREA
6379
HEIGHT
4970
25-Jun-2024
18:35



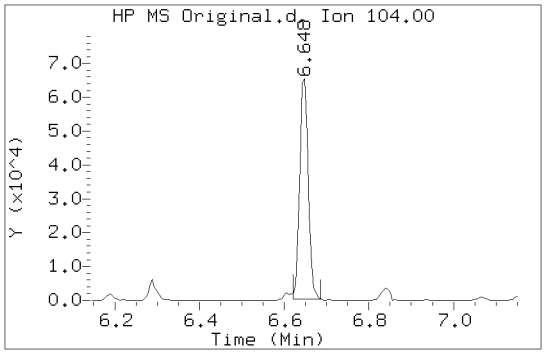
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99
AREA
6379
HEIGHT
4970
25-Jun-2024
19:31



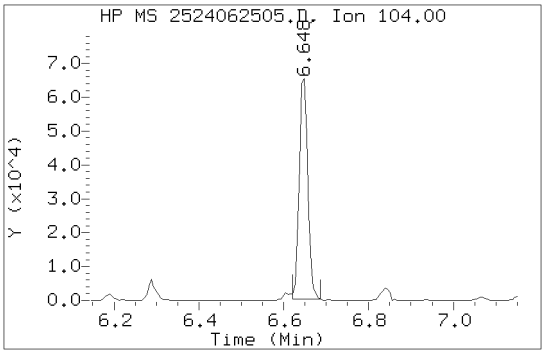
Styrene (100-42-5)

Reason Code: MP

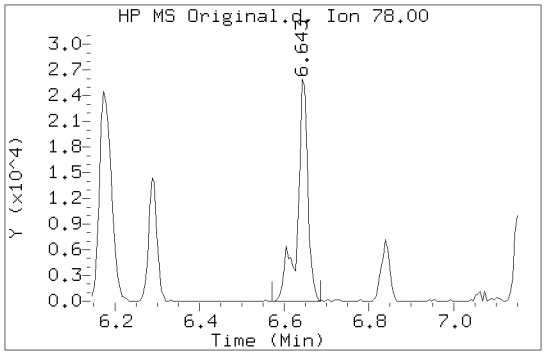
BEFORE
MASS
104
AREA
91709
HEIGHT
65019
25-Jun-2024
18:35



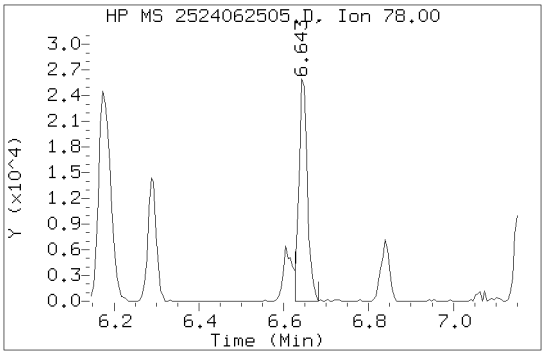
AFTER
MASS
104
AREA
91709
HEIGHT
65019
25-Jun-2024
19:31



BEFORE
MASS
78
AREA
45089
HEIGHT
25968
25-Jun-2024
18:35



AFTER
MASS
78
AREA
36230
HEIGHT
25938
25-Jun-2024
19:31

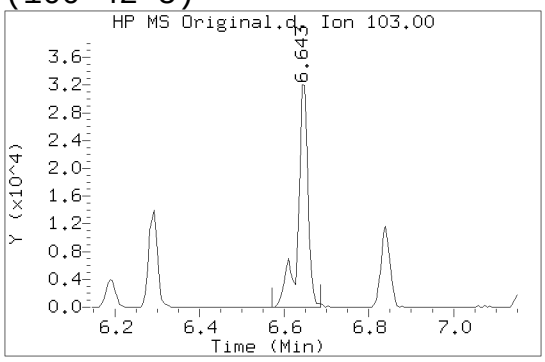


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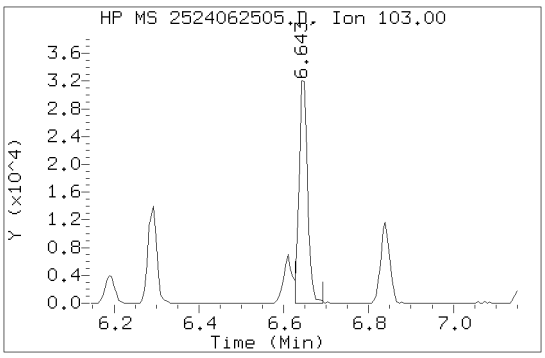
Styrene (100-42-5)

Reason Code: MP

BEFORE
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103
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54183
HEIGHT
32016
25-Jun-2024
18:35



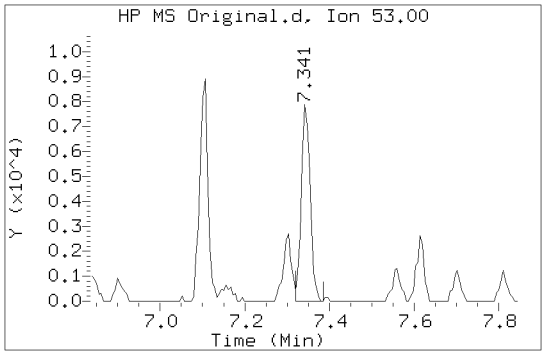
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AREA
44948
HEIGHT
31986
25-Jun-2024
19:31



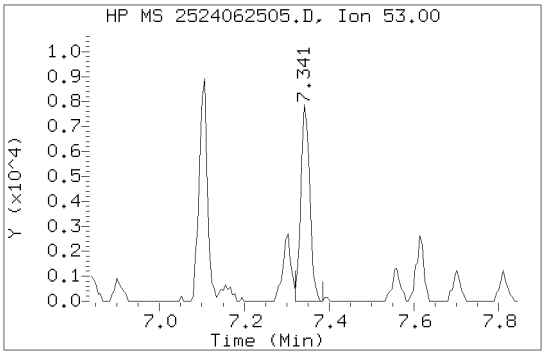
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

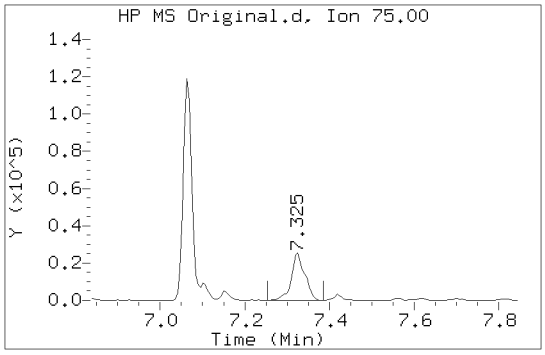
BEFORE
MASS
53
AREA
11562
HEIGHT
7888
25-Jun-2024
18:35



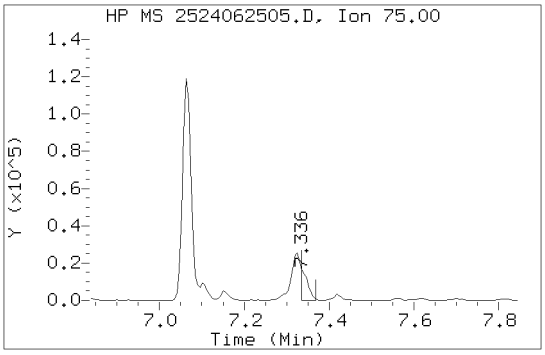
AFTER
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53
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11562
HEIGHT
7888
25-Jun-2024
19:31



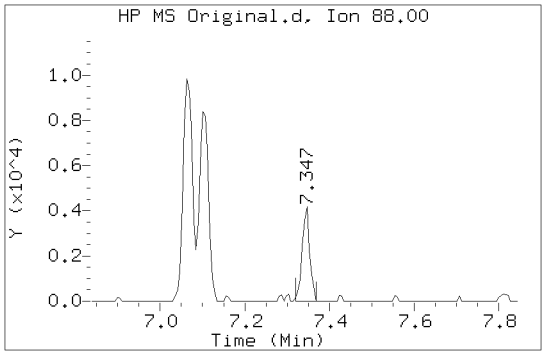
BEFORE
MASS
75
AREA
55932
HEIGHT
25472
25-Jun-2024
18:35



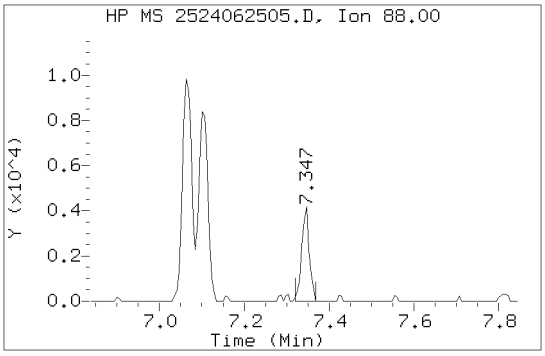
AFTER
MASS
75
AREA
18172
HEIGHT
16543
25-Jun-2024
19:31



BEFORE
MASS
88
AREA
5192
HEIGHT
4177
25-Jun-2024
18:35



AFTER
MASS
88
AREA
5192
HEIGHT
4177
25-Jun-2024
19:31

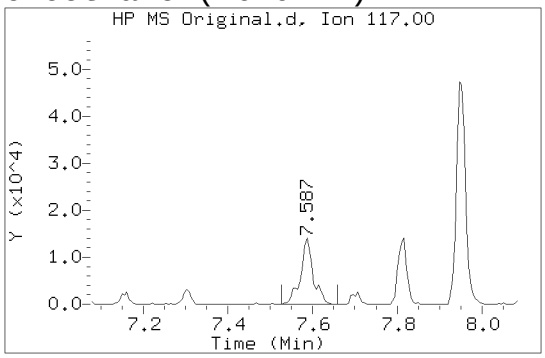


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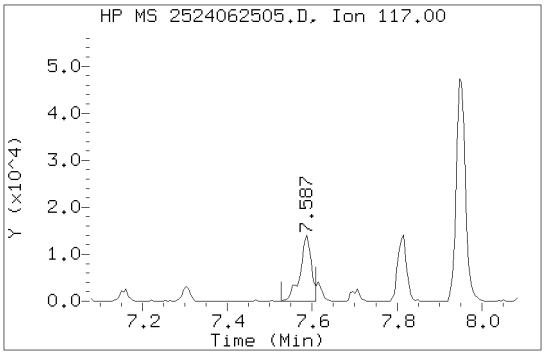
Pentachloroethane (76-01-7)

Reason Code: MP

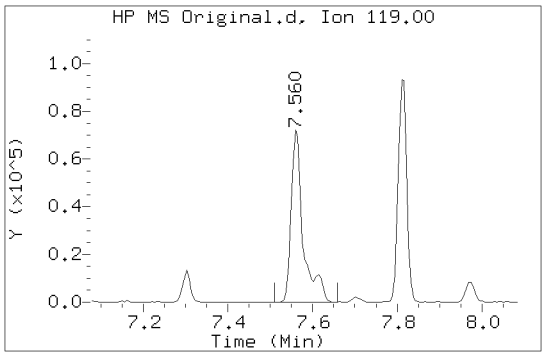
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25-Jun-2024
18:35



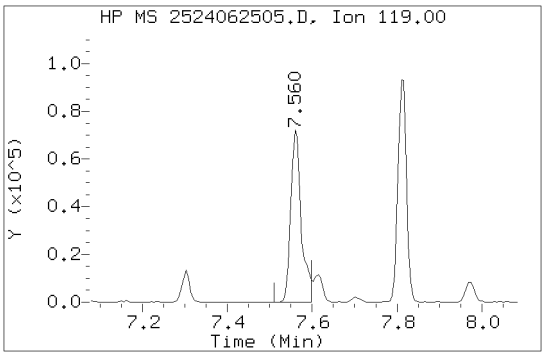
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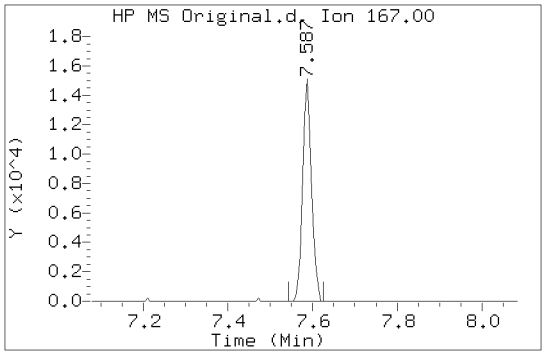
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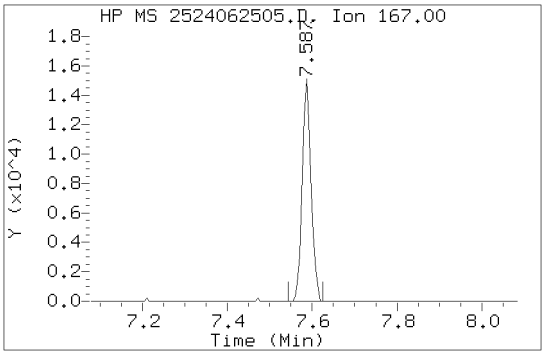
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25-Jun-2024
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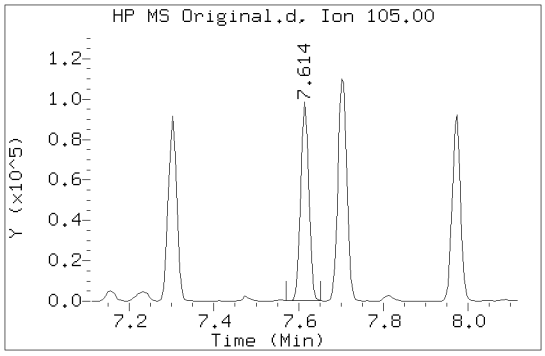
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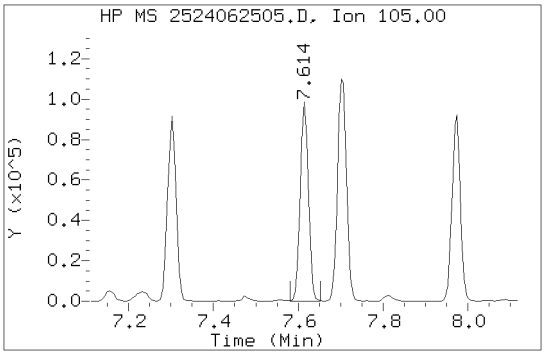
1,2,4-Trimethylbenzene (95-63-6)

Reason Code: I

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AFTER
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AREA
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HEIGHT
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25-Jun-2024
19:31

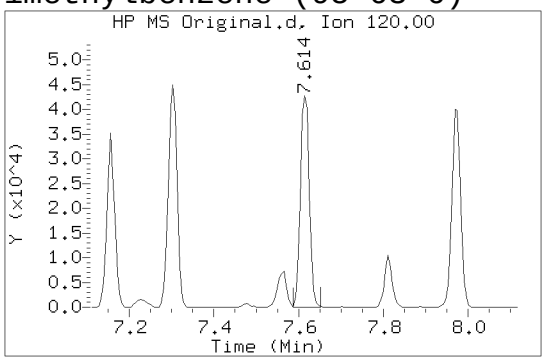


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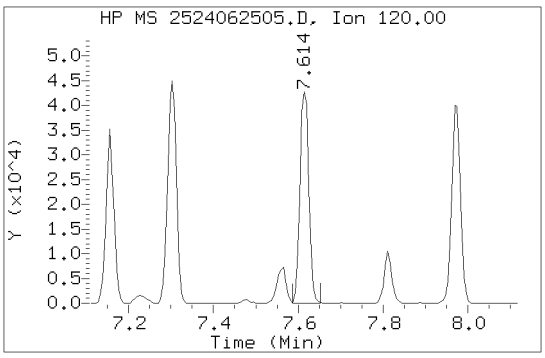
1,2,4-Trimethylbenzene (95-63-6)

Reason Code: I

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25-Jun-2024
18:35



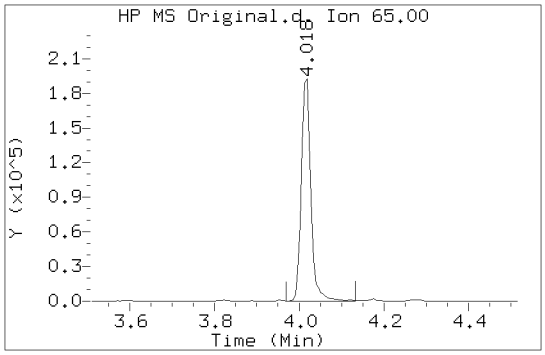
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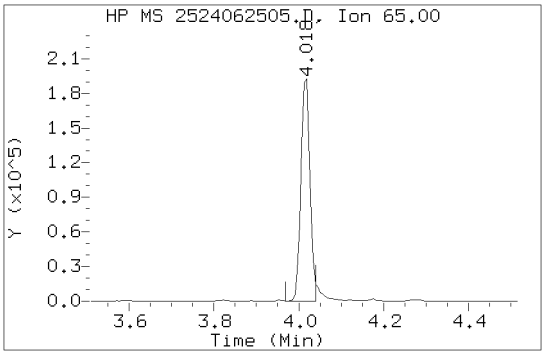
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Reason Code: MP

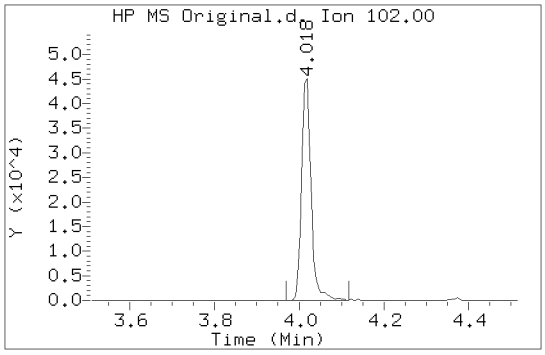
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18:35



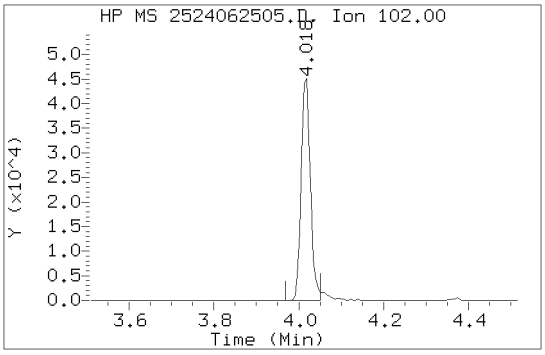
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25-Jun-2024
19:31



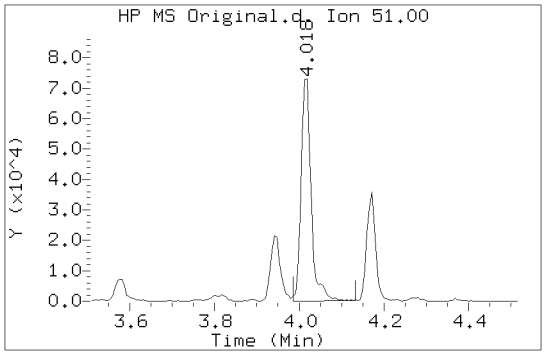
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25-Jun-2024
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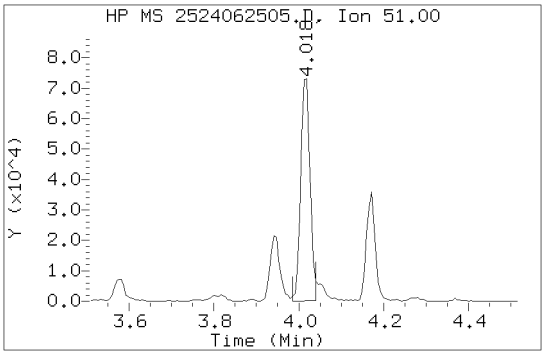
AFTER
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19:31



BEFORE
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25-Jun-2024
18:35



AFTER
MASS
51
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HEIGHT
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25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
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Inj Date: 25-JUN-2024 11:44
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062506.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062506.D
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Inj Date : 25-JUN-2024 12:04
Operator : ILY Inst ID: ms25.i
Smp Info : 1236;;1;1;3;;;
Misc Info :
Comment :
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Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1	Dichlorodifluoromethane	85	1.497	1.497	(0.359)	218972	20.0000	18.3014	
2	Chloromethane	50	1.644	1.645	(0.394)	186575	20.0000	17.7810	
3	Vinyl Chloride	62	1.704	1.705	(0.409)	244505	20.0000	18.0770	
4	Bromomethane	94	1.922	1.923	(0.461)	128221	20.0000	19.5396	
5	Chloroethane	64	2.004	2.005	(0.481)	167849	20.0000	18.1769	
6	Pentane	41	2.091	2.092	(0.502)	154298	20.0000	17.6328	
7	Trichlorofluoromethane	101	2.097	2.103	(0.503)	342524	20.0000	18.4880	
8	Dichlorofluoromethane	67	2.124	2.125	(0.509)	330328	20.0000	19.2692	
9	Ethyl Ether	74	2.277	2.278	(0.546)	104226	20.0000	19.9934	
10	1,1-Dichloroethene	61	2.413	2.409	(0.579)	195734	20.0000	18.8162	
11	Freon 113	101	2.424	2.425	(0.581)	135864	20.0000	18.5692	
12	Carbon Disulfide	76	2.446	2.447	(0.587)	414688	20.0000	18.4799	
13	Iodomethane	127	2.506	2.507	(0.601)	55931	20.0000	14.2386	
14	Acrolein	56	2.599	2.600	(0.623)	158045	100.000	94.1918	
15	Isopropyl Alcohol	45	2.653	2.654	(0.636)	48509	100.000	86.3919	
16	3-Chloro-1-propene	41	2.681	2.676	(0.643)	163615	20.0000	18.1616	
17	Methylene Chloride	84	2.741	2.741	(0.657)	162608	20.0000	19.1368	
18	Acetone	58	2.757	2.752	(0.661)	85596	100.000	90.9222	
19	Methyl acetate	74	2.817	2.812	(0.676)	35525	20.0000	18.1033	
20	trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	192543	20.0000	18.8981	
21	Hexane	57	2.866	2.867	(0.687)	304896	20.0000	17.8025	

Data File: 2524062506.D
Report Date: 25-Jun-2024 19:32

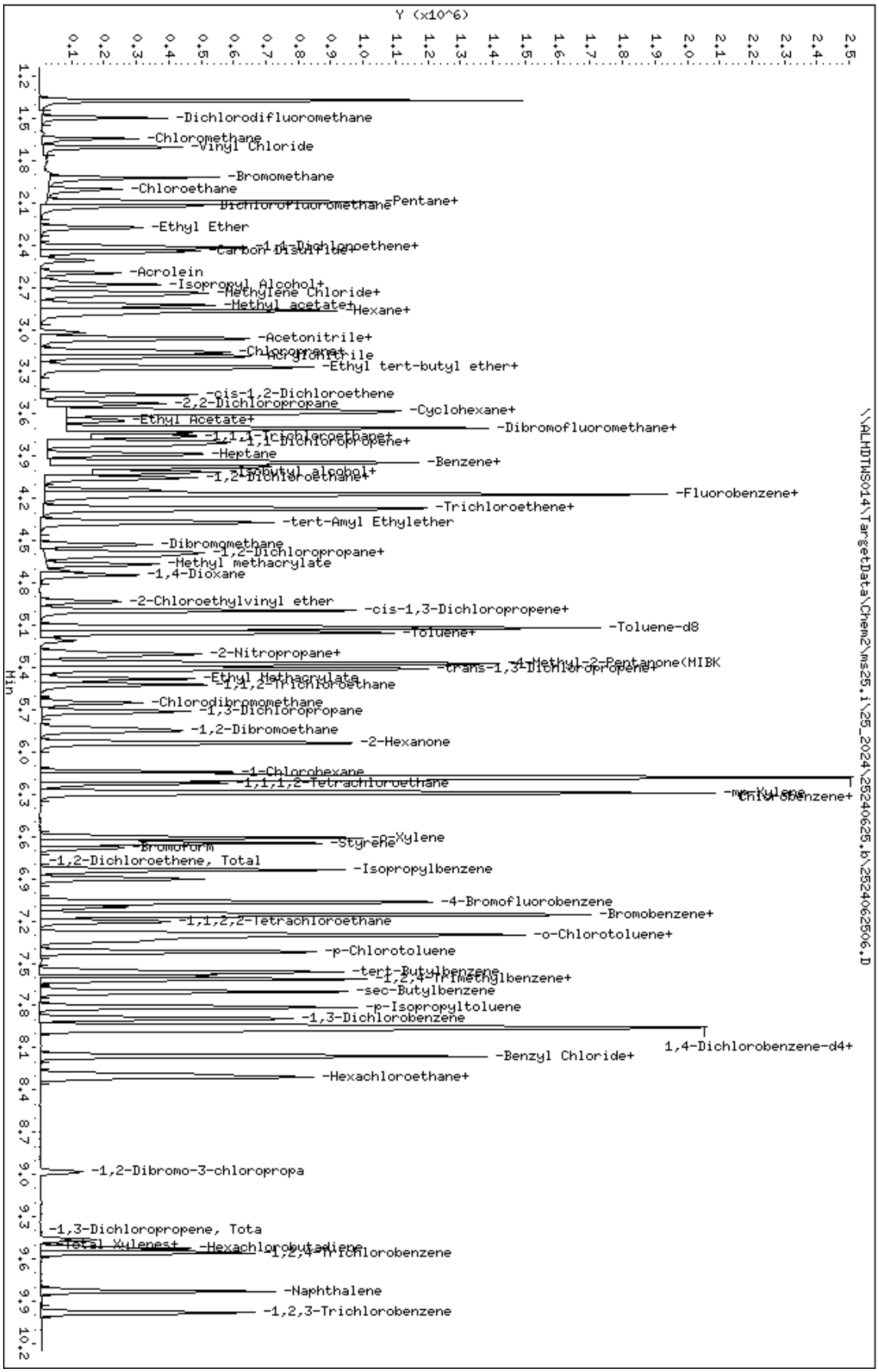
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	466744	20.0000	18.0052	
	23 tert.- Butyl Alcohol	59	2.894	2.889	(0.694)	93681	100.000	99.6811	
	24 Acetonitrile	41	3.019	3.020	(0.724)	101641	100.000	96.5507	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	437840	20.0000	19.3632	
	26 Chloroprene	53	3.155	3.156	(0.757)	221317	20.0000	19.3055	
	27 1,1-Dichloroethane	63	3.172	3.167	(0.761)	262971	20.0000	18.9452	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	357939	100.000	99.0143(M)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	474249	20.0000	19.7473	
	30 n-Propanol	41	3.265	3.260	(0.783)	78030	200.000	175.162	
	31 Vinyl Acetate	86	3.275	3.276	(0.785)	38506	20.0000	16.5102(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	202733	20.0000	19.6245	
	33 2,2-Dichloropropane	77	3.526	3.522	(0.846)	209285	20.0000	18.9176	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	89307	20.0000	20.0465(M)	I
	35 Cyclohexane	84	3.587	3.587	(0.860)	228148	20.0000	18.4057	
	36 Chloroform	83	3.597	3.598	(0.863)	289206	20.0000	19.3002	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	158992	20.0000	17.6402	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	161402	20.0000	19.4022	
	39 Carbon Tetrachloride	117	3.696	3.696	(0.886)	178993	20.0000	16.5213(M)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	254218	30.0000	29.7958	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	239357	100.000	94.1190	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	229321	20.0000	19.6617	
	43 2-Butanone	72	3.761	3.767	(0.902)	119256	100.000	97.0025(M)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	209130	20.0000	18.9558	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	125975	20.0000	17.7561(M)	I
	46 Heptane	71	3.881	3.887	(0.931)	113785	20.0000	17.7521	
	47 Benzene	78	3.941	3.942	(0.945)	633576	20.0000	18.6841	
	48 Propionitrile	54	3.941	3.942	(0.945)	134551	100.000	98.2898	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	80238	20.0000	19.5530	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	449684	20.0000	19.3976	
	54 Isobutyl alcohol	42	3.990	3.980	(0.957)	34403	200.000	167.479(QM)	MP
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	270413	30.0000	30.0658(M)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	198579	20.0000	18.6286	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	67407	100.000	93.4837	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1081327	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	376363	20.0000	17.0103	
	57 Trichloroethene	95	4.269	4.269	(1.024)	154832	20.0000	18.0411	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	253987	20.0000	18.9162	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	354280	20.0000	17.7021	
	60 Dibromomethane	93	4.525	4.526	(1.085)	107302	20.0000	19.7777	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	156440	20.0000	19.1684	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	189702	20.0000	16.9316	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	123610	20.0000	19.1373	
	64 1,4-Dioxane	88	4.716	4.722	(1.131)	59497	500.000	470.930(A)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	95250	20.0000	16.1993	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	247573	20.0000	17.8608	
	67 Octane	85	4.994	5.000	(0.809)	99968	20.0000	19.6362	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1004639	30.0000	30.6546	
	69 Toluene	92	5.153	5.153	(0.835)	377248	20.0000	18.1613	
	70 Chloroacetonitrile	75	5.207	5.208	(0.844)	48573	100.000	93.8022	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	186383	100.000	83.0816	
	72 1,1-Dichloro-2-Propanone	63	5.311	5.317	(0.860)	18693	100.000	86.1649(Q)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	770302	100.000	94.5351	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	223814	20.0000	17.4534	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	146028	20.0000	19.3061	

Data File: 2524062506.D Page 3
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.480	5.481	(0.888)	223797	20.0000	18.0778	
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	126126	20.0000	19.7624	
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	154197	20.0000	17.2869	
	79 1,3-Dichloropropane	76	5.715	5.710	(0.926)	254532	20.0000	20.1855	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	153645	20.0000	18.2360	
	81 2-Hexanone	43	5.933	5.933	(0.961)	515146	100.000	92.2414	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	207769	20.0000	19.0130	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	413941	30.0000	(M)	MP
	84 Chlorobenzene	112	6.184	6.184	(1.002)	413442	20.0000	19.5313	
	85 Ethylbenzene	106	6.189	6.190	(1.003)	219414	20.0000	17.6413	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	142310	20.0000	18.0101	
	87 mp-Xylene	106	6.287	6.288	(1.019)	535925	40.0000	35.9652	
	88 o-Xylene	106	6.609	6.610	(1.071)	249220	20.0000	17.6917	
	89 Styrene	104	6.648	6.648	(0.836)	391500	20.0000	17.3301(M)	MP
	90 Bromoform	173	6.680	6.686	(0.840)	102722	20.0000	16.1644	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	566222	20.0000	17.8690	
M	100 1,2-Dichloroethene, Total	61				395276	40.0000	38.5226	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	329556	30.0000	30.8412	
	93 Bromobenzene	156	7.155	7.156	(0.900)	171981	20.0000	18.8323	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	172929	20.0000	18.5182	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	181899	20.0000	20.0402	
	96 o-Chlorotoluene	91	7.291	7.292	(0.917)	467074	20.0000	19.0107	
	97 1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	483177	20.0000	18.5913	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	58202	20.0000	19.8811	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.341	(0.924)	47099	20.0000	17.1018(M)	MP
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	428598	20.0000	19.2591	
	102 tert-Butylbenzene	134	7.564	7.559	(0.951)	123761	20.0000	19.9106	
	103 Pentachloroethane	117	7.586	7.581	(0.954)	104294	20.0000	16.9034(M)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.614	(0.957)	488792	20.0000	17.6631	
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	625458	20.0000	19.4719	
	106 p-Isopropyltoluene	134	7.815	7.816	(0.983)	142765	20.0000	19.4087	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	294339	20.0000	19.1313	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	386252	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	300384	20.0000	18.7310	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	59767	20.0000	15.8725(Q)	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	125006	20.0000	18.1853	
	112 Hexachloroethane	117	8.290	8.285	(1.043)	85914	20.0000	15.8547	
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	283817	20.0000	19.3661	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	27852	20.0000	16.3262	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	74725	200.000	143.781	
	116 Hexachlorobutadiene	225	9.523	9.524	(1.198)	82540	20.0000	17.1898	
M	120 1,3-Dichloropropene, Total	75				471387	40.0000	35.3142	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	179576	20.0000	18.5029	
M	121 Total Xylenes	106				785145	60.0000	53.6568	
	118 Naphthalene	128	9.829	9.829	(1.236)	463248	20.0000	16.4549	
	119 1,2,3-Trichlorobenzene	180	9.981	9.982	(1.255)	178753	20.0000	16.5886	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.



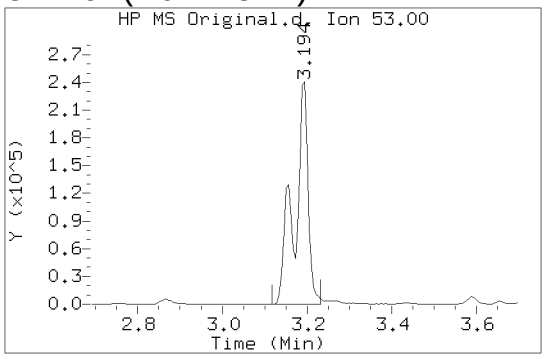
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Date : 25-JUN-2024 12:04
Client ID:
Sample Info: 1236;;1;1;3;;;
Purge Volume: 5.0
Column phase: DB-VRX
Instrument: ms25,i
Operator: ILY
Column diameter: 0.25

Data File : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062506.D
Inj Date : 25-JUN-2024 12:04
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LabSampID : 1236

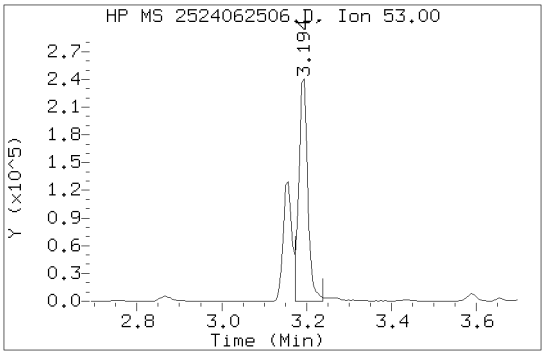
Acrylonitrile (107-13-1)

Reason Code: MP

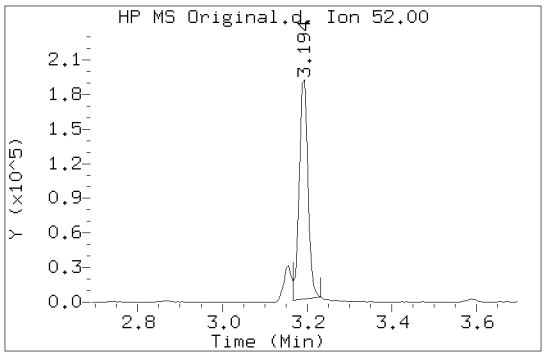
BEFORE
MASS
53
AREA
535739
HEIGHT
240576
25-Jun-2024
18:30



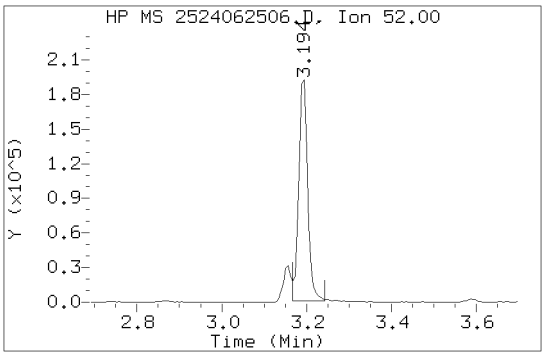
AFTER
MASS
53
AREA
357939
HEIGHT
240303
25-Jun-2024
19:31



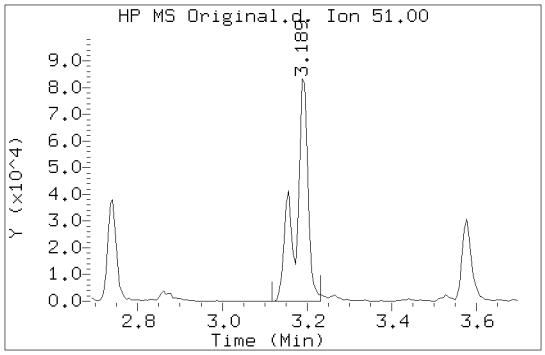
BEFORE
MASS
52
AREA
273609
HEIGHT
189823
25-Jun-2024
18:30



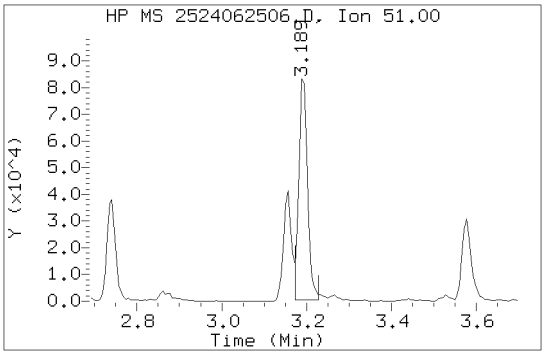
AFTER
MASS
52
AREA
282064
HEIGHT
191416
25-Jun-2024
19:31



BEFORE
MASS
51
AREA
175101
HEIGHT
83248
25-Jun-2024
18:30



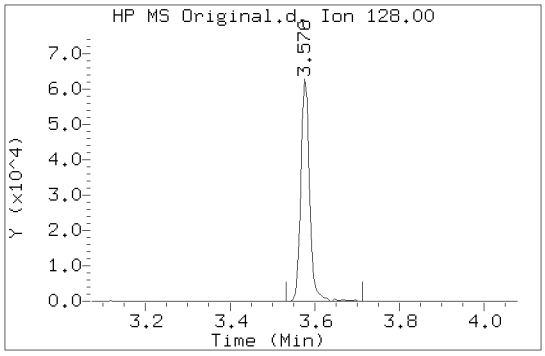
AFTER
MASS
51
AREA
120160
HEIGHT
82881
25-Jun-2024
19:31



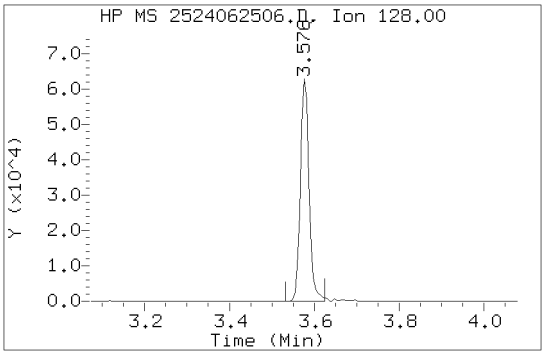
Bromochloromethane (74-97-5)

Reason Code: I

BEFORE
MASS
128
AREA
90451
HEIGHT
62864
25-Jun-2024
18:30



AFTER
MASS
128
AREA
89307
HEIGHT
62864
25-Jun-2024
19:31

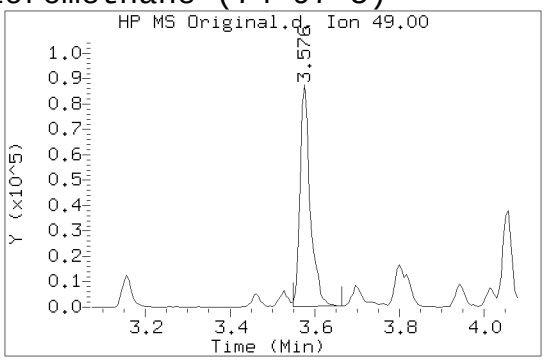


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LabSampID : 1236

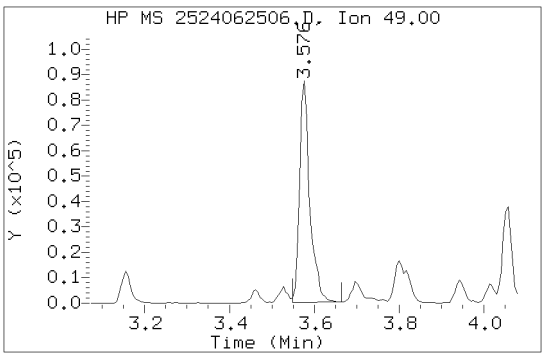
Bromochloromethane (74-97-5)

Reason Code: I

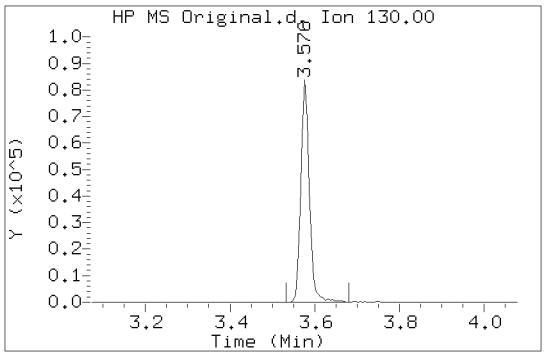
BEFORE
MASS
49
AREA
145936
HEIGHT
87229
25-Jun-2024
18:30



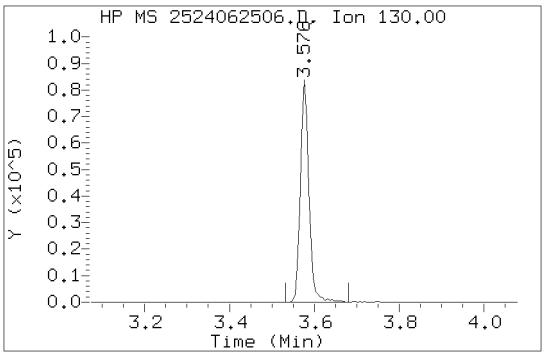
AFTER
MASS
49
AREA
145936
HEIGHT
87229
25-Jun-2024
19:31



BEFORE
MASS
130
AREA
116625
HEIGHT
83816
25-Jun-2024
18:30



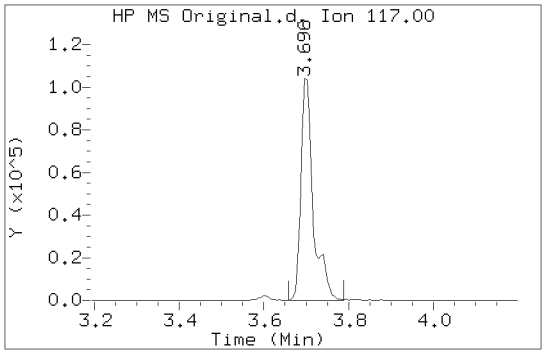
AFTER
MASS
130
AREA
116625
HEIGHT
83816
25-Jun-2024
19:31



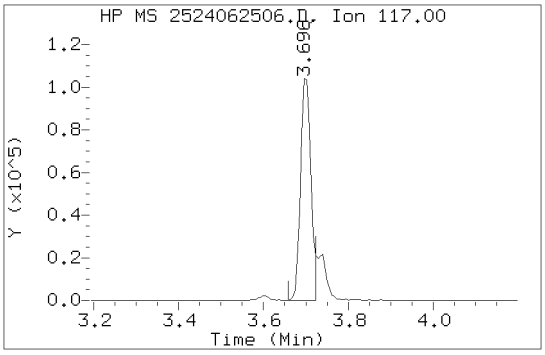
Carbon Tetrachloride (56-23-5)

Reason Code: MP

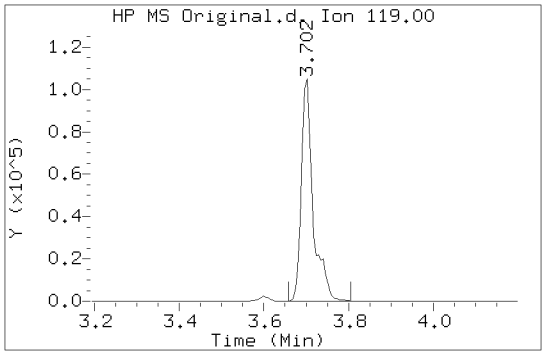
BEFORE
MASS
117
AREA
211149
HEIGHT
104040
25-Jun-2024
18:30



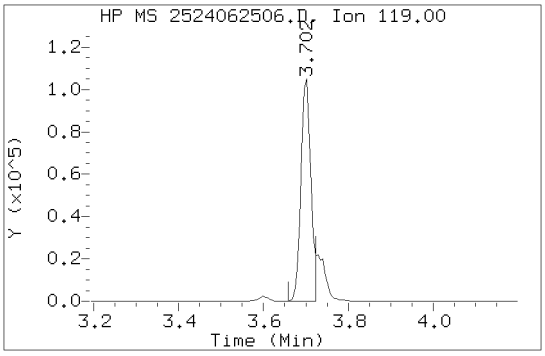
AFTER
MASS
117
AREA
178993
HEIGHT
104040
25-Jun-2024
19:31



BEFORE
MASS
119
AREA
203931
HEIGHT
105000
25-Jun-2024
18:30



AFTER
MASS
119
AREA
172558
HEIGHT
105000
25-Jun-2024
19:31

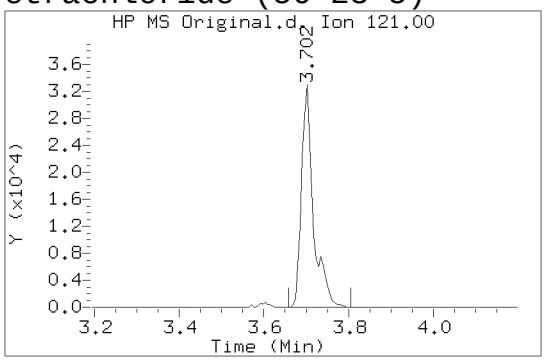


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Inj Date : 25-JUN-2024 12:04
InstruID : ms25.i
LabSampID : 1236

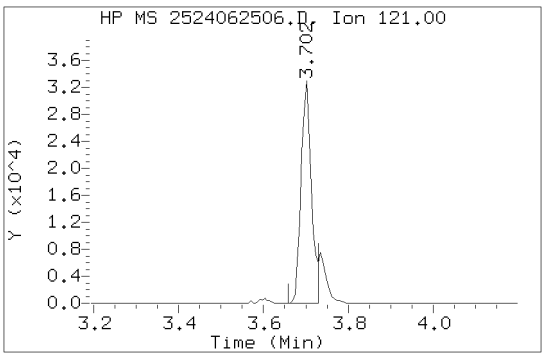
Carbon Tetrachloride (56-23-5)

Reason Code: MP

BEFORE
MASS
121
AREA
64517
HEIGHT
32968
25-Jun-2024
18:30



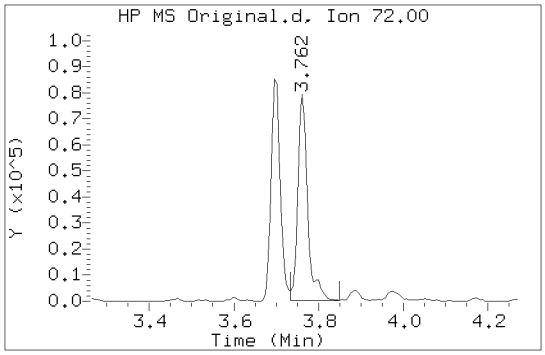
AFTER
MASS
121
AREA
55966
HEIGHT
32968
25-Jun-2024
19:31



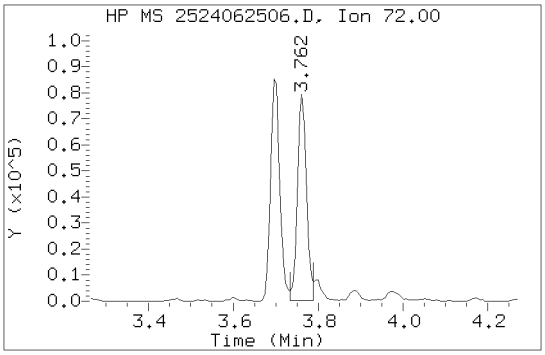
2-Butanone (78-93-3)

Reason Code: MP

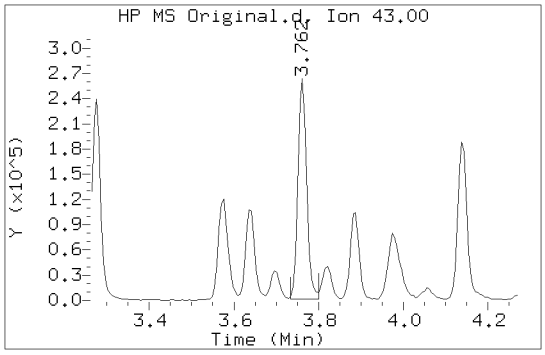
BEFORE
MASS
72
AREA
128471
HEIGHT
79252
25-Jun-2024
18:30



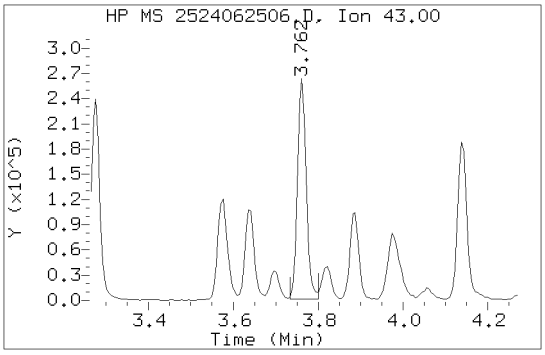
AFTER
MASS
72
AREA
119256
HEIGHT
79253
25-Jun-2024
19:31



BEFORE
MASS
43
AREA
376948
HEIGHT
262047
25-Jun-2024
18:30



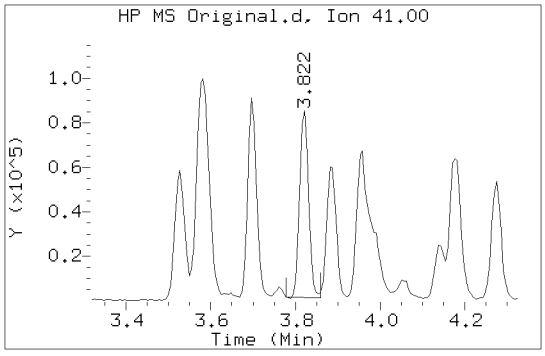
AFTER
MASS
43
AREA
376948
HEIGHT
262047
25-Jun-2024
19:31



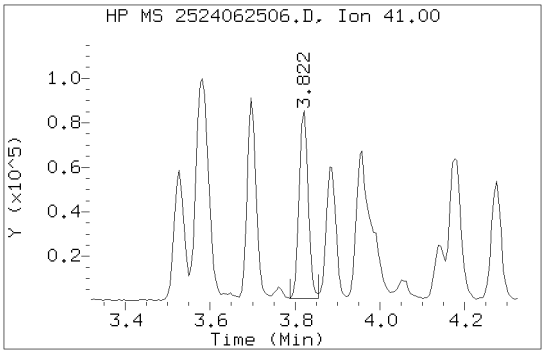
1-Chlorobutane (109-69-3)

Reason Code: I

BEFORE
MASS
41
AREA
124558
HEIGHT
83995
25-Jun-2024
18:30



AFTER
MASS
41
AREA
125975
HEIGHT
84503
25-Jun-2024
19:31

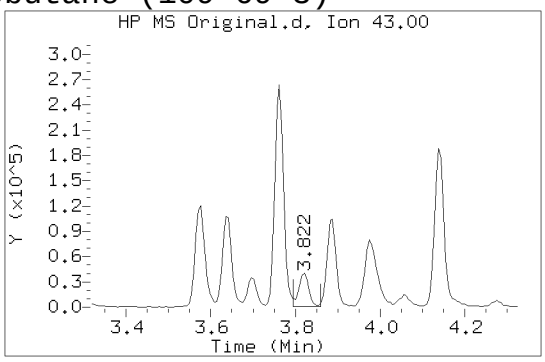


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InstruID : ms25.i
LabSampID : 1236

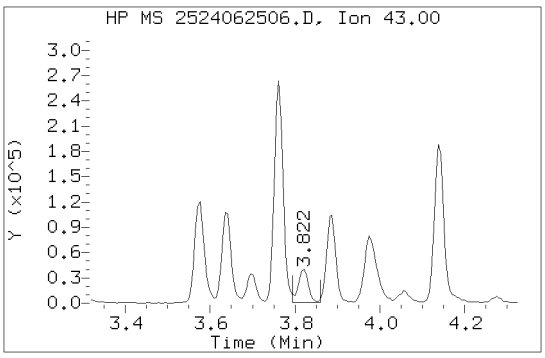
1-Chlorobutane (109-69-3)

Reason Code: I

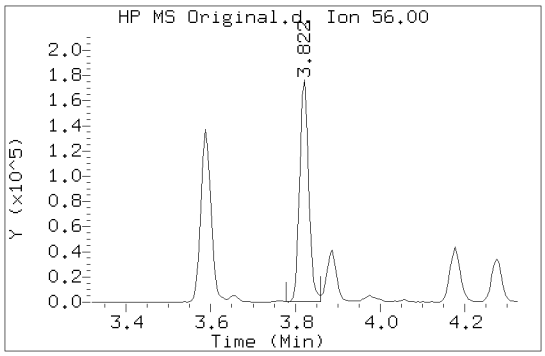
BEFORE
MASS
43
AREA
66729
HEIGHT
39675
25-Jun-2024
18:30



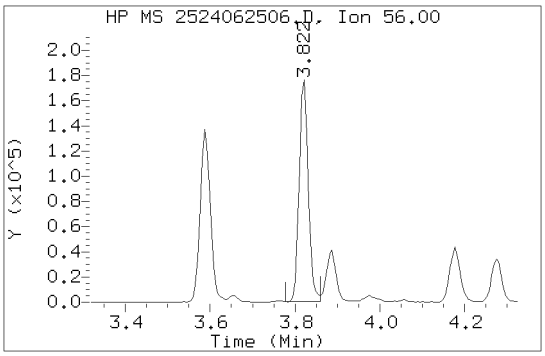
AFTER
MASS
43
AREA
66729
HEIGHT
39675
25-Jun-2024
19:31



BEFORE
MASS
56
AREA
263874
HEIGHT
176057
25-Jun-2024
18:30



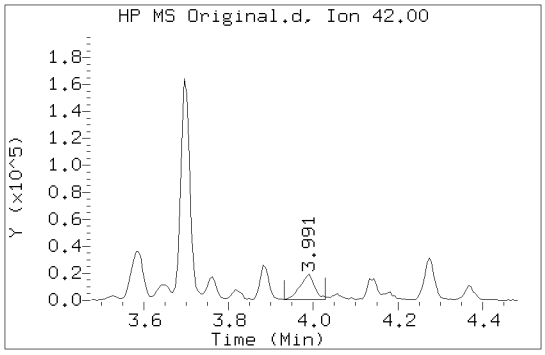
AFTER
MASS
56
AREA
263874
HEIGHT
176057
25-Jun-2024
19:31



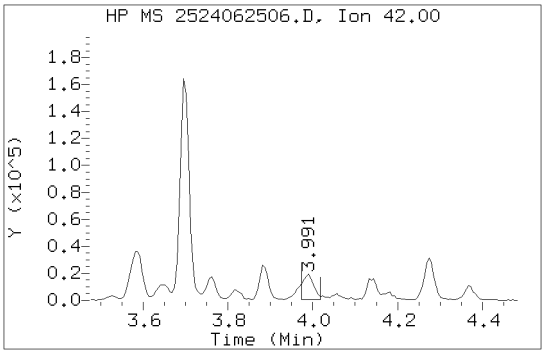
Isobutyl alcohol (78-83-1)

Reason Code: MP

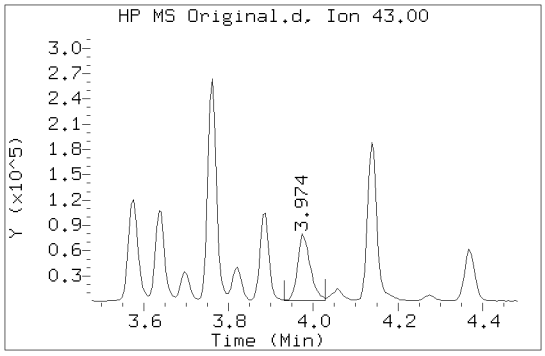
BEFORE
MASS
42
AREA
44994
HEIGHT
18890
25-Jun-2024
18:30



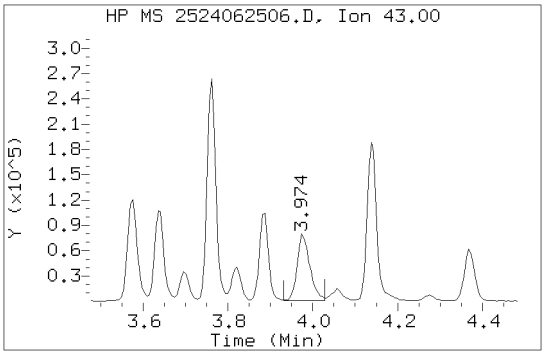
AFTER
MASS
42
AREA
34403
HEIGHT
19071
25-Jun-2024
19:31



BEFORE
MASS
43
AREA
162595
HEIGHT
78961
25-Jun-2024
18:30



AFTER
MASS
43
AREA
162595
HEIGHT
78961
25-Jun-2024
19:31



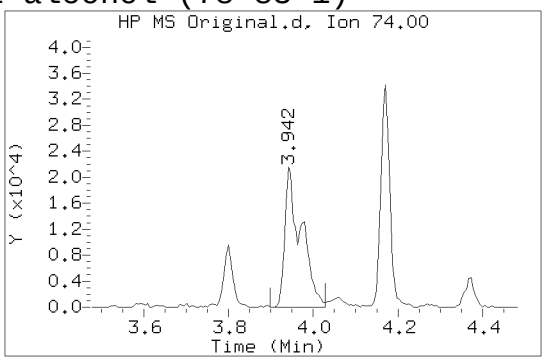
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Inj Date : 25-JUN-2024 12:04
InstruID : ms25.i
LabSampID : 1236

Isobutyl alcohol (78-83-1)

Reason Code: MP

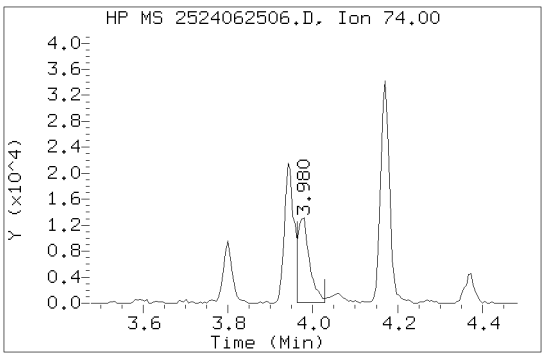
BEFORE

MASS
74
AREA
58007
HEIGHT
21560
25-Jun-2024
18:30



AFTER

MASS
74
AREA
25639
HEIGHT
13039
25-Jun-2024
19:31

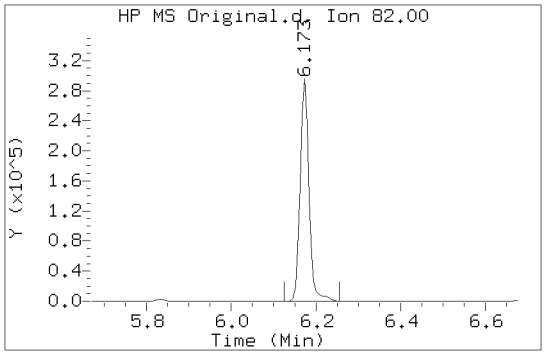


Chlorobenzene-d5 (3114-55-4)

Reason Code: MP

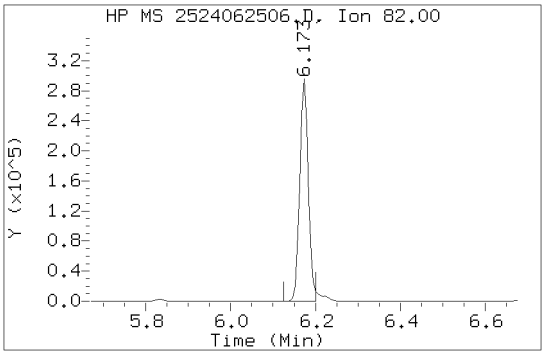
BEFORE

MASS
82
AREA
427444
HEIGHT
295680
25-Jun-2024
18:30



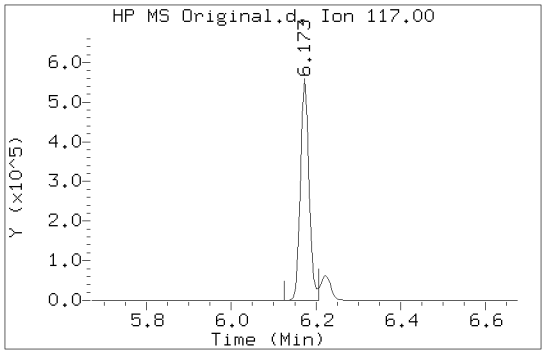
AFTER

MASS
82
AREA
413941
HEIGHT
295680
25-Jun-2024
19:31



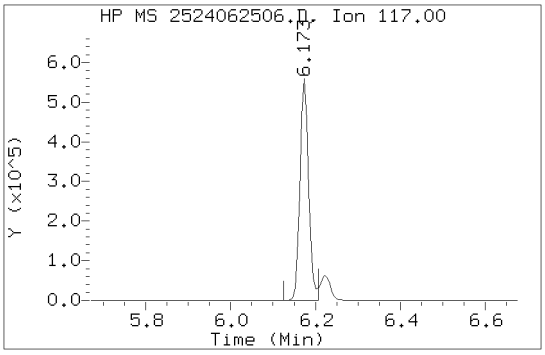
BEFORE

MASS
117
AREA
795410
HEIGHT
559168
25-Jun-2024
18:30



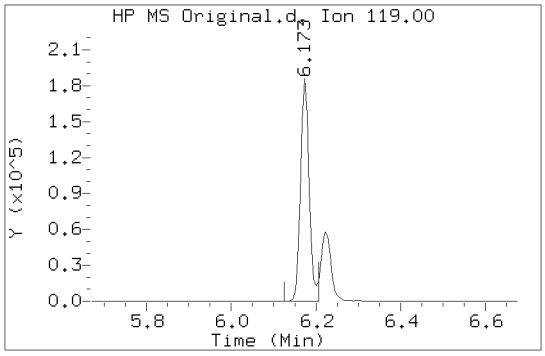
AFTER

MASS
117
AREA
795410
HEIGHT
559168
25-Jun-2024
19:31



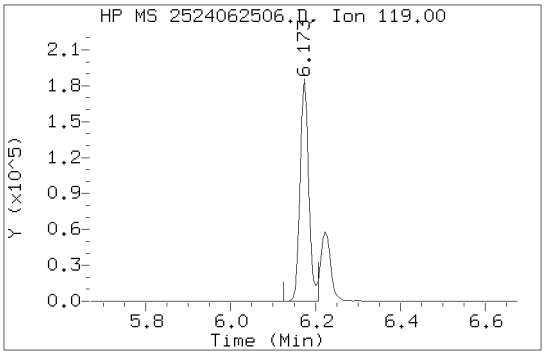
BEFORE

MASS
119
AREA
265514
HEIGHT
185728
25-Jun-2024
18:30



AFTER

MASS
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AREA
265514
HEIGHT
185728
25-Jun-2024
19:31

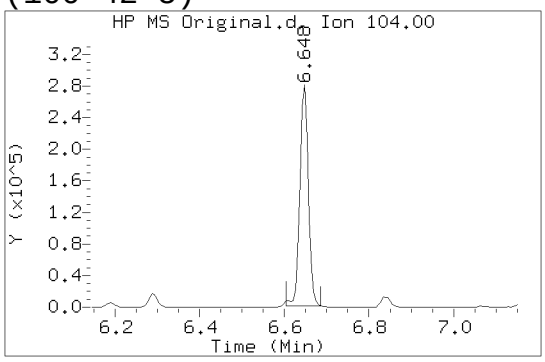


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InstruID : ms25.i
LabSampID : 1236

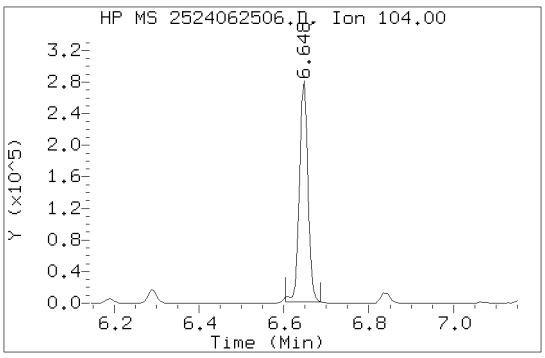
Styrene (100-42-5)

Reason Code: MP

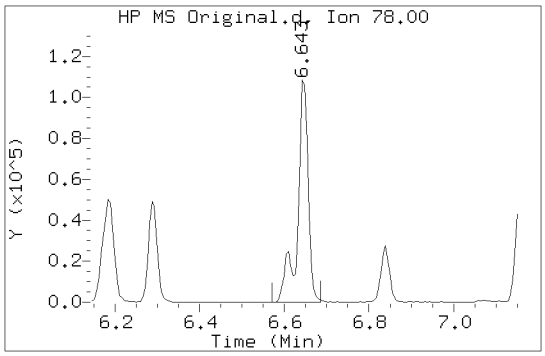
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HEIGHT
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25-Jun-2024
18:30



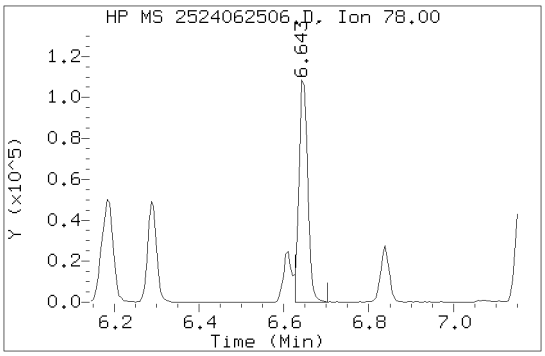
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104
AREA
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19:31



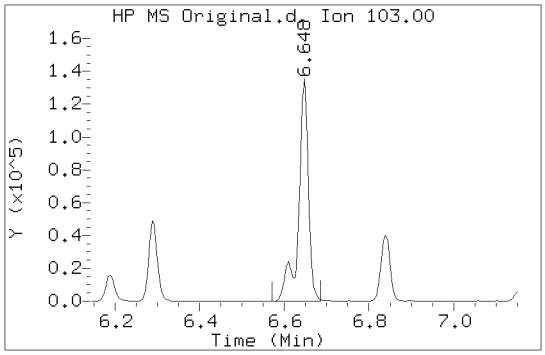
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25-Jun-2024
18:30



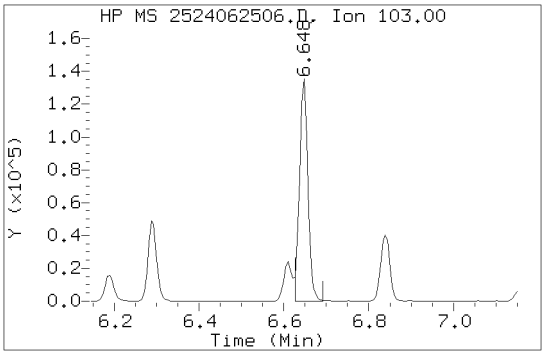
AFTER
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AREA
157590
HEIGHT
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25-Jun-2024
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BEFORE
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HEIGHT
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25-Jun-2024
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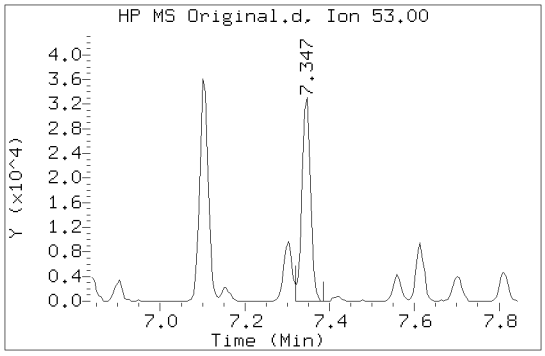
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103
AREA
187425
HEIGHT
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25-Jun-2024
19:31



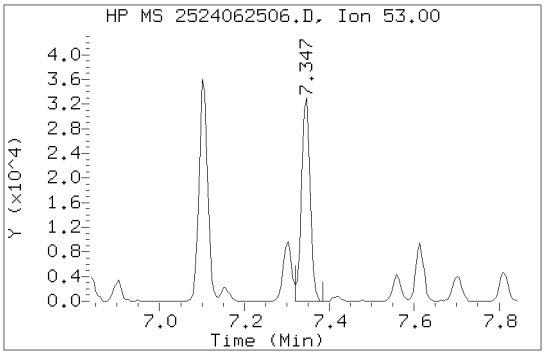
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

BEFORE
MASS
53
AREA
47099
HEIGHT
33112
25-Jun-2024
18:30



AFTER
MASS
53
AREA
47099
HEIGHT
33112
25-Jun-2024
19:31

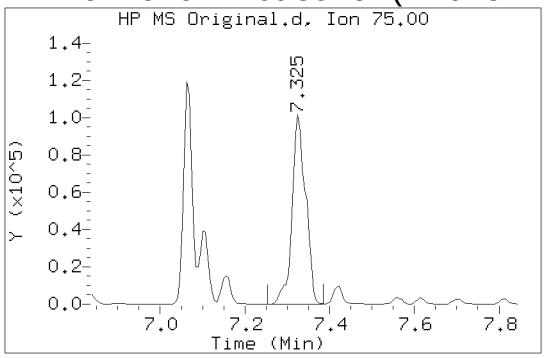


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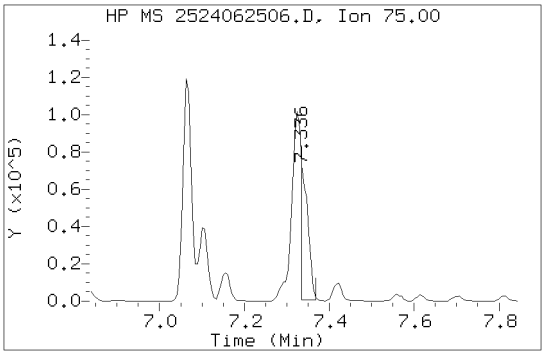
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

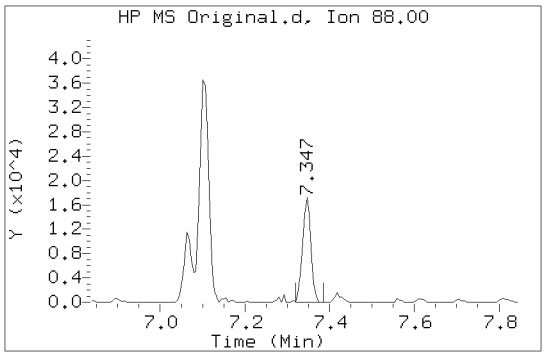
BEFORE
MASS
75
AREA
226916
HEIGHT
101592
25-Jun-2024
18:30



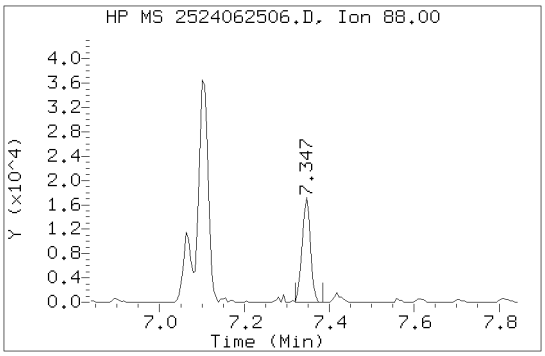
AFTER
MASS
75
AREA
82393
HEIGHT
72327
25-Jun-2024
19:31



BEFORE
MASS
88
AREA
23401
HEIGHT
17216
25-Jun-2024
18:30



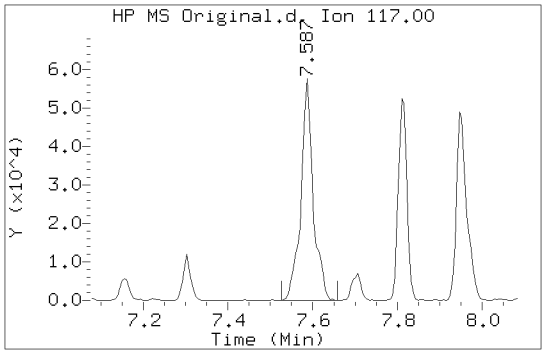
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25-Jun-2024
19:31



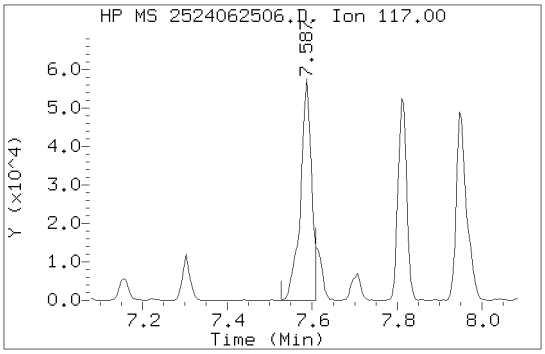
Pentachloroethane (76-01-7)

Reason Code: MP

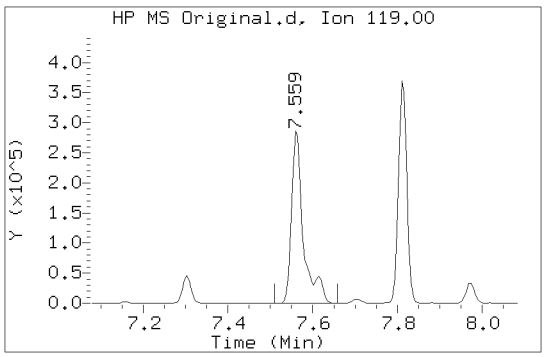
BEFORE
MASS
117
AREA
115930
HEIGHT
57624
25-Jun-2024
18:30



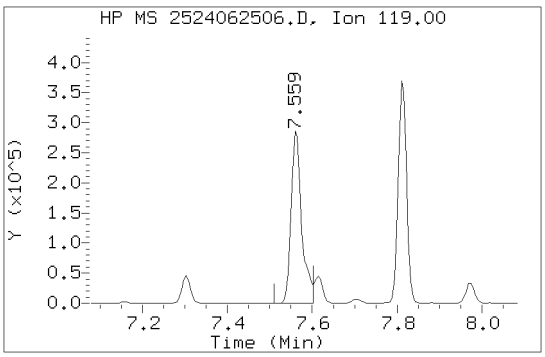
AFTER
MASS
117
AREA
104294
HEIGHT
57624
25-Jun-2024
19:31



BEFORE
MASS
119
AREA
557519
HEIGHT
285888
25-Jun-2024
18:30



AFTER
MASS
119
AREA
503478
HEIGHT
285888
25-Jun-2024
19:31



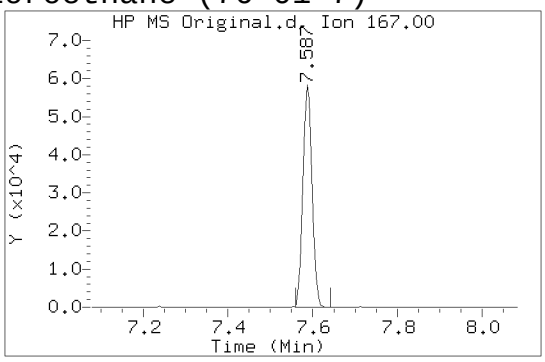
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Inj Date : 25-JUN-2024 12:04
InstruID : ms25.i
LabSampID : 1236

Pentachloroethane (76-01-7)

Reason Code: MP

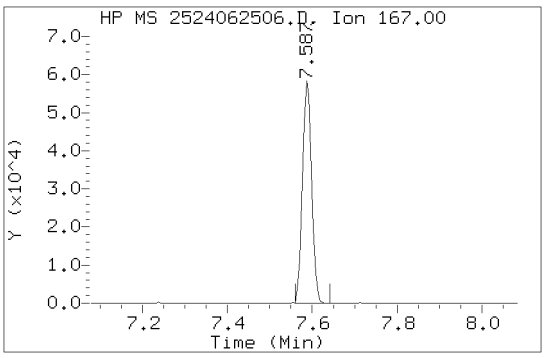
BEFORE

MASS
167
AREA
87791
HEIGHT
58336
25-Jun-2024
18:30



AFTER

MASS
167
AREA
87791
HEIGHT
58336
25-Jun-2024
19:31

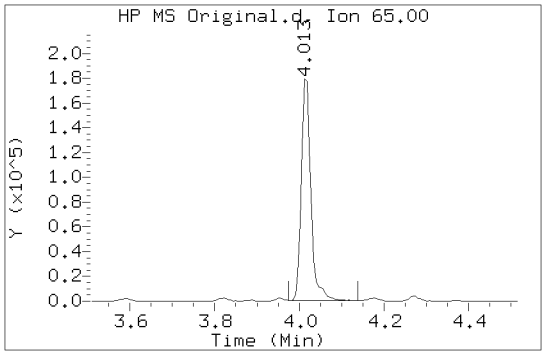


1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

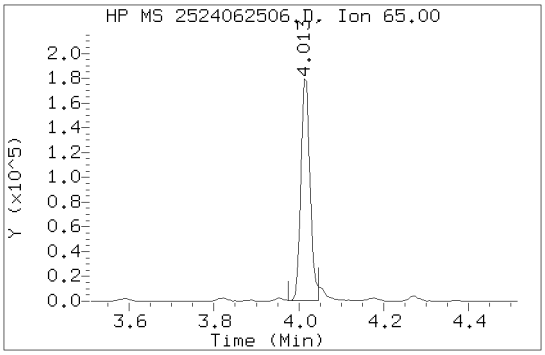
BEFORE

MASS
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HEIGHT
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25-Jun-2024
18:30



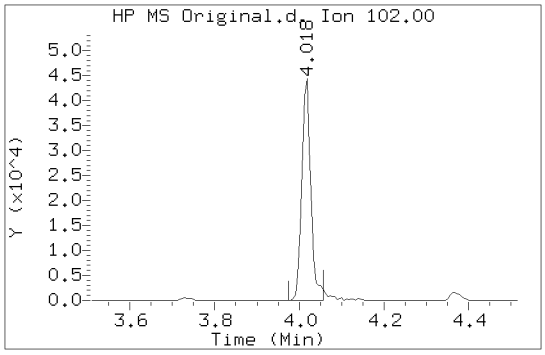
AFTER

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65
AREA
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HEIGHT
179074
25-Jun-2024
19:31



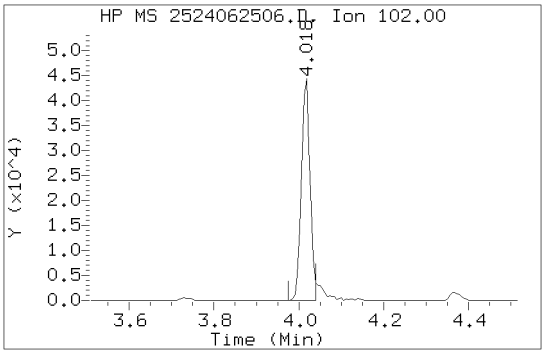
BEFORE

MASS
102
AREA
65943
HEIGHT
44392
25-Jun-2024
18:30



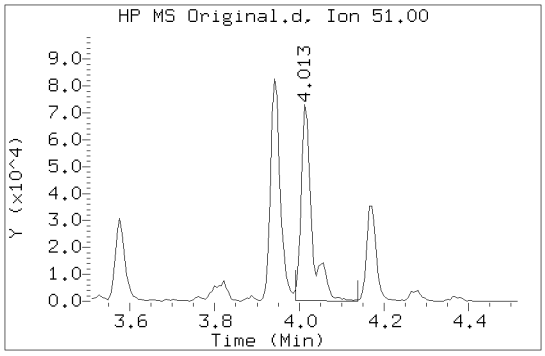
AFTER

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102
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63278
HEIGHT
44392
25-Jun-2024
19:31



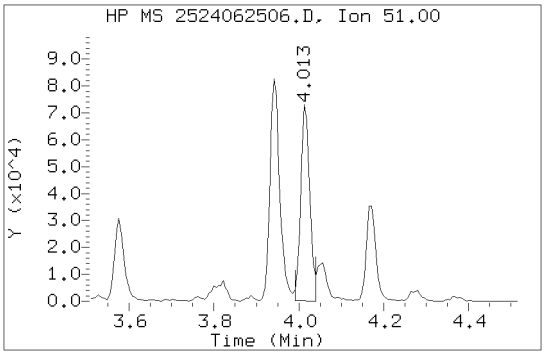
BEFORE

MASS
51
AREA
132627
HEIGHT
73037
25-Jun-2024
18:30



AFTER

MASS
51
AREA
109122
HEIGHT
73037
25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 12:04
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062507.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062507.D
Lab Smp Id: 1237
Inj Date : 25-JUN-2024 12:24
Operator : ILY Inst ID: ms25.i
Smp Info : 1237;;1;1;4;;;
Misc Info :
Comment :
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Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	626482	50.0000	49.5188	
2 Chloromethane	50	1.644	1.645	(0.394)	540092	50.0000	48.8810	
3 Vinyl Chloride	62	1.704	1.705	(0.409)	708017	50.0000	49.5047	
4 Bromomethane	94	1.923	1.923	(0.461)	348305	50.0000	50.8873	
5 Chloroethane	64	2.004	2.005	(0.481)	473353	50.0000	48.9920	
6 Pentane	41	2.092	2.092	(0.502)	429548	50.0000	48.1516	
7 Trichlorofluoromethane	101	2.097	2.103	(0.503)	967150	50.0000	49.3694	
8 Dichlorofluoromethane	67	2.124	2.125	(0.509)	977801	50.0000	53.9430	
9 Ethyl Ether	74	2.277	2.278	(0.546)	298493	50.0000	54.1514	
10 1,1-Dichloroethene	61	2.414	2.409	(0.579)	575051	50.0000	52.2802	
11 Freon 113	101	2.425	2.425	(0.581)	405953	50.0000	52.4723	
12 Carbon Disulfide	76	2.446	2.447	(0.587)	1276822	50.0000	53.8113	
13 Iodomethane	127	2.506	2.507	(0.601)	202377	50.0000	47.4853(M)	I
14 Acrolein	56	2.599	2.600	(0.623)	464121	250.000	261.595(A)	
15 Isopropyl Alcohol	45	2.654	2.654	(0.636)	143259	250.000	246.986(A)	
16 3-Chloro-1-propene	41	2.676	2.676	(0.642)	502818	50.0000	52.4523	
17 Methylene Chloride	84	2.741	2.741	(0.657)	478779	50.0000	53.2878	
18 Acetone	58	2.752	2.752	(0.660)	251793	250.000	252.945(A)	
19 Methyl acetate	74	2.817	2.812	(0.676)	106383	50.0000	52.0435	
20 trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	585851	50.0000	54.3804	
21 Hexane	57	2.866	2.867	(0.687)	870351	50.0000	48.5594	

Data File: 2524062507.D
Report Date: 25-Jun-2024 19:32

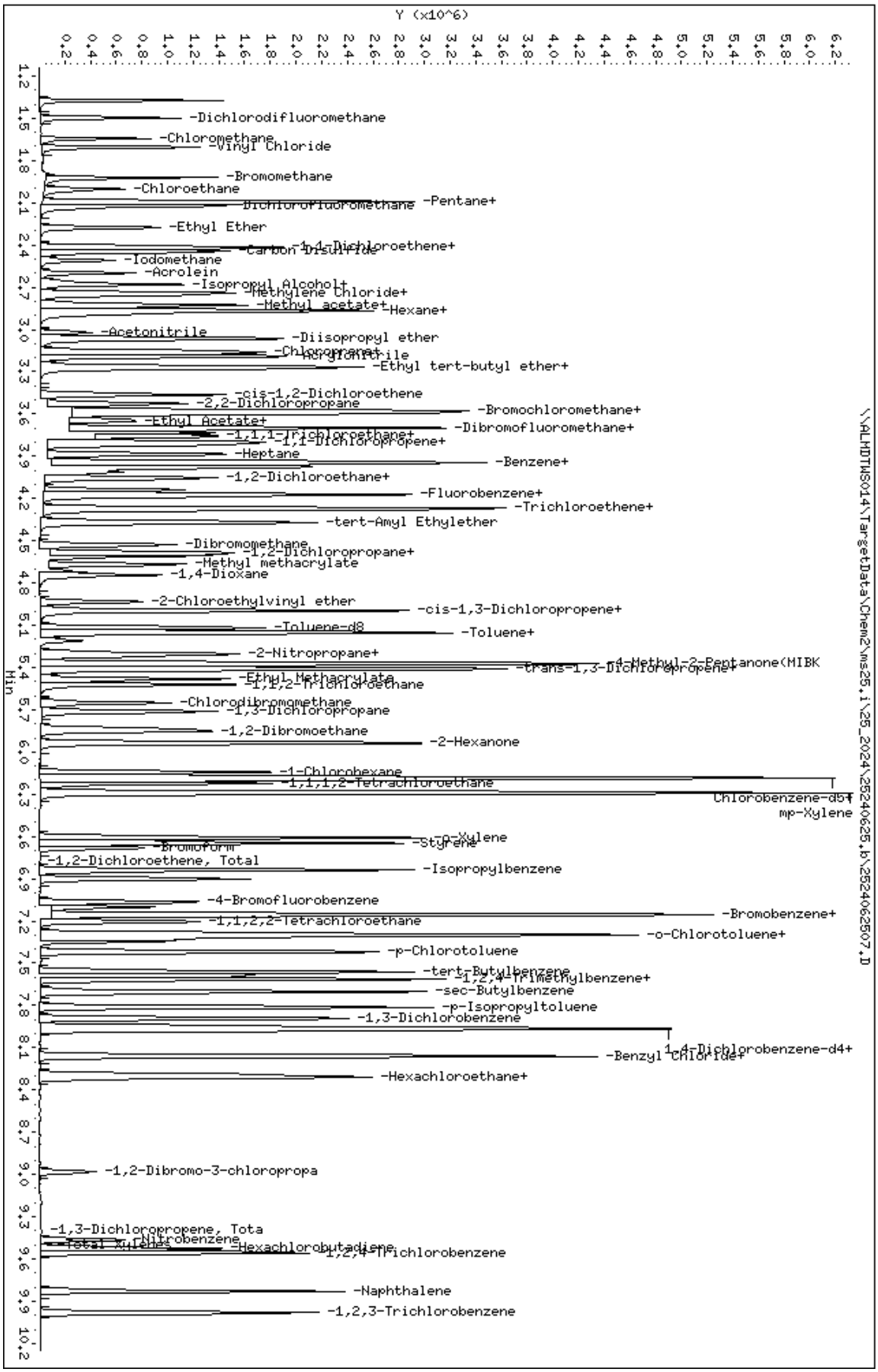
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	1393184	50.0000	50.4055	
	23 tert.- Butyl Alcohol	59	2.894	2.889	(0.694)	269513	250.000	271.210(A)	
	24 Acetonitrile	41	3.019	3.020	(0.724)	302780	250.000	272.006(AM)	I
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	1308855	50.0000	54.7418	
	26 Chloroprene	53	3.156	3.156	(0.757)	670182	50.0000	55.2871	
	27 1,1-Dichloroethane	63	3.172	3.167	(0.761)	802466	50.0000	54.6742	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	1064988	250.000	278.611(AM)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	1408293	50.0000	55.4575	
	30 n-Propanol	41	3.265	3.260	(0.783)	237482	500.000	504.166(A)	
	31 Vinyl Acetate	86	3.276	3.276	(0.785)	126310	50.0000	50.4145	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	591362	50.0000	54.1368	
	33 2,2-Dichloropropane	77	3.527	3.522	(0.846)	621193	50.0000	53.1030	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	268442	50.0000	56.9861	
	35 Cyclohexane	84	3.587	3.587	(0.860)	675442	50.0000	51.5333	
	36 Chloroform	83	3.598	3.598	(0.863)	859409	50.0000	54.2399	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	472909	50.0000	49.7769	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	476529	50.0000	54.1748	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	556541	50.0000	47.7742(M)	MP
$	41 Dibromofluoromethane	113	3.701	3.707	(0.887)	270997	30.0000	30.0385	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	715886	250.000	266.220(A)	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	676102	50.0000	54.8220	
	43 2-Butanone	72	3.761	3.767	(0.902)	342451	250.000	263.431(AM)	MP
	44 1,1-Dichloropropene	75	3.800	3.800	(0.911)	631378	50.0000	54.1229	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	375025	50.0000	49.9907(M)	I
	46 Heptane	71	3.887	3.887	(0.932)	333893	50.0000	49.2649	
	47 Benzene	78	3.941	3.942	(0.945)	1864401	50.0000	51.9969	
	48 Propionitrile	54	3.941	3.942	(0.945)	402346	250.000	277.963(A)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	238979	50.0000	55.0754	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	1354755	50.0000	55.2670	
	54 Isobutyl alcohol	42	3.991	3.980	(0.957)	96464	500.000	437.479(AM)	MP
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	275529	30.0000	28.9719(M)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	601015	50.0000	53.3210	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	203990	250.000	267.550(A)	
*	55 Fluorobenzene	96	4.171	4.171	(1.000)	1143383	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	1061231	50.0000	47.8757	
	57 Trichloroethene	95	4.269	4.269	(1.024)	484631	50.0000	53.4046	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	739867	50.0000	51.7277	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	1054026	50.0000	49.3327	
	60 Dibromomethane	93	4.525	4.526	(1.085)	316536	50.0000	55.1767	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	467339	50.0000	54.1545	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	593498	50.0000	49.4511	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	375084	50.0000	54.9186	
	64 1,4-Dioxane	88	4.716	4.722	(1.131)	176416	1250.00	1320.58(A)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	300617	50.0000	47.6165	
	66 cis-1,3-Dichloropropene	75	4.995	4.995	(0.809)	767185	50.0000	51.4196	
	67 Octane	85	5.000	5.000	(0.810)	282195	50.0000	52.0345	
$	68 Toluene-d8	98	5.115	5.120	(0.829)	1034239	30.0000	29.6246	
	69 Toluene	92	5.153	5.153	(0.835)	1143510	50.0000	51.6780	
	70 Chloroacetonitrile	75	5.207	5.208	(0.844)	159860	250.000	289.804(A)	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	593939	250.000	244.811(A)	
	72 1,1-Dichloro-2-Propanone	63	5.316	5.317	(0.861)	56995	250.000	243.015(A)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	2330999	250.000	266.689(A)	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	694418	50.0000	50.2673	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	434379	50.0000	53.9104	

Data File: 2524062507.D
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.480	5.481	(0.888)	687236	50.0000	51.5180	
	77 1,1,2-Trichloroethane	83	5.524	5.524	(0.895)	377593	50.0000	55.5399(M)	I
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	487189	50.0000	50.5479	
	79 1,3-Dichloropropane	76	5.715	5.710	(0.926)	754617	50.0000	56.1784	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	464742	50.0000	51.3501	
	81 2-Hexanone	43	5.933	5.933	(0.961)	1586898	250.000	264.643(A)	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	643857	50.0000	55.3101	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	440953	30.0000		
	84 Chlorobenzene	112	6.184	6.184	(1.002)	1244553	50.0000	55.1920	
	85 Ethylbenzene	106	6.189	6.190	(1.003)	661770	50.0000	50.1941	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	438151	50.0000	51.4526	
	87 mp-Xylene	106	6.288	6.288	(1.019)	1603689	100.000	102.462	
	88 o-Xylene	106	6.610	6.610	(1.071)	773279	50.0000	51.5309	
	89 Styrene	104	6.648	6.648	(0.836)	1227060	50.0000	48.6117(M)	I
	90 Bromoform	173	6.681	6.686	(0.840)	330003	50.0000	46.3030	
	91 Isopropylbenzene	105	6.839	6.839	(0.860)	1751429	50.0000	49.7675	
M	100 1,2-Dichloroethene, Total	61				1177213	100.000	108.517	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	333940	30.0000	28.2793	
	93 Bromobenzene	156	7.155	7.156	(0.900)	531635	50.0000	52.6787	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	543408	50.0000	52.6568	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	552178	50.0000	55.0487	
	96 o-Chlorotoluene	91	7.292	7.292	(0.917)	1435543	50.0000	52.8720	
	97 1,3,5-Trimethylbenzene	105	7.303	7.303	(0.918)	1501540	50.0000	52.2803	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	171874	50.0000	53.1264	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.341	(0.924)	149889	50.0000	48.7036(M)	MP
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	1318356	50.0000	53.6064	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	375749	50.0000	54.7011	
	103 Pentachloroethane	117	7.586	7.581	(0.954)	332675	50.0000	48.2392(M)	MP
	104 1,2,4-Trimethylbenzene	105	7.614	7.614	(0.957)	1510193	50.0000	49.6560	
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	1923591	50.0000	54.1902	
	106 p-Isopropyltoluene	134	7.810	7.816	(0.982)	438683	50.0000	53.9663	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	913731	50.0000	53.7418	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	426848	30.0000		
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	937340	50.0000	52.8905	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	194577	50.0000	45.8459	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	391628	50.0000	51.5539	
	112 Hexachloroethane	117	8.290	8.285	(1.043)	284589	50.0000	46.7465	
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	869762	50.0000	53.7034	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	86909	50.0000	45.3439	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	289112	500.000	463.590(A)	
	116 Hexachlorobutadiene	225	9.529	9.524	(1.198)	257277	50.0000	48.0265	
M	120 1,3-Dichloropropene, Total	75				1461603	100.000	101.687	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	580629	50.0000	54.1363	
M	121 Total Xylenes	106				2376968	150.000	153.993	
	118 Naphthalene	128	9.829	9.829	(1.236)	1514181	50.0000	48.0426	
	119 1,2,3-Trichlorobenzene	180	9.982	9.982	(1.255)	573042	50.0000	47.5666	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

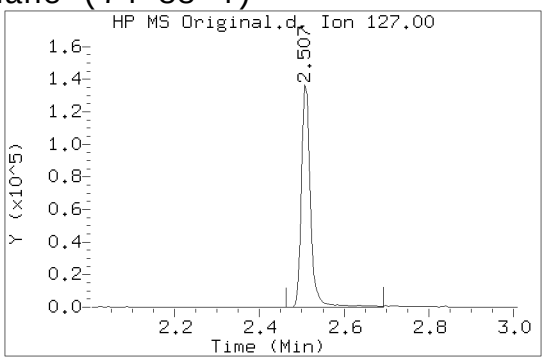

Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Pentane+
-Ethyl Ether
-Iodomethane
-Acrolein
-Isopropyl Alcohol+
-Methyl acetate+
-Hexane+
-Acetonitrile
-Diisopropyl ether
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Ethyl Acetate+
-Dibromofluoromethane+
-Heptane
-Benzene+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-1,4-Dioxane
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8
-Toluene+
-2-Nitropropane+
-4-Methyl-2-Pentanone(MIBK
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
mp-Xylene
-o-Xylene
-Styrene
-Bromoform
-1,2-Dichloroethene, Total
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-o-Chlorotoluene+
-p-Chlorotoluene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene+
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-Nitrobenzene
-Total Xylenes
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
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Instrument: ms25,i
Operator: ILY
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Page 1

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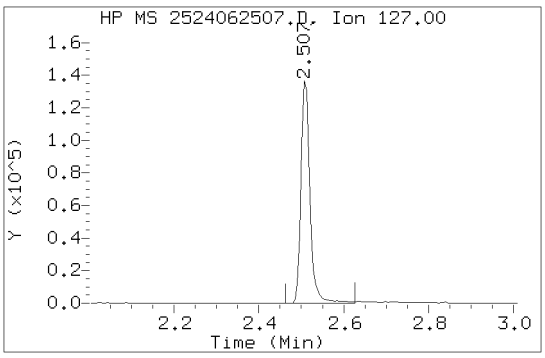
Iodomethane (74-88-4)

Reason Code: I

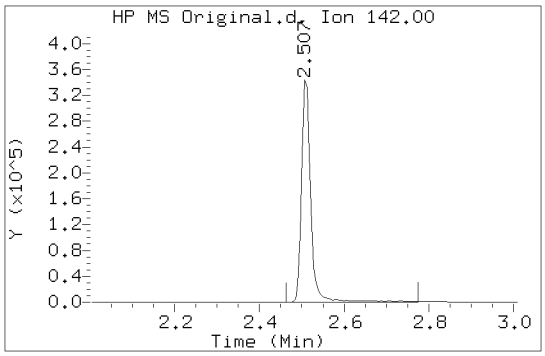
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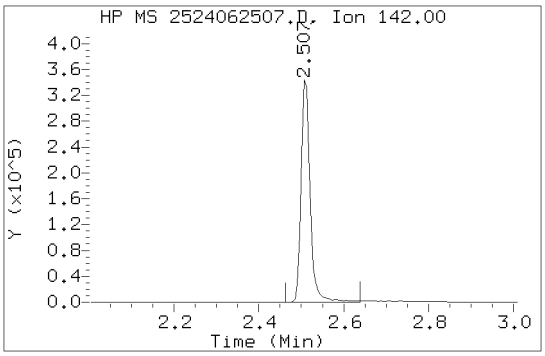
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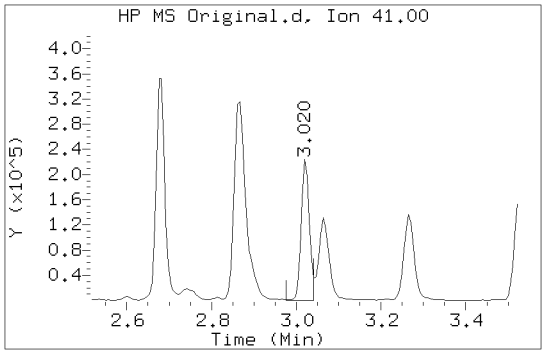
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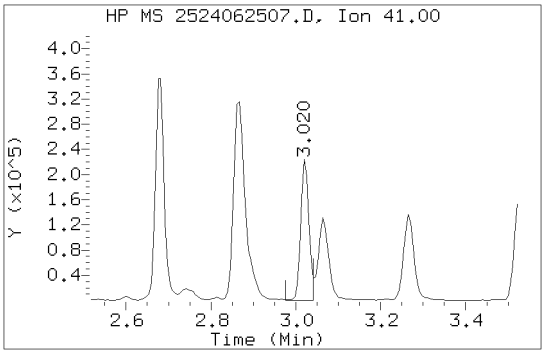
Acetonitrile (75-05-8)

Reason Code: I

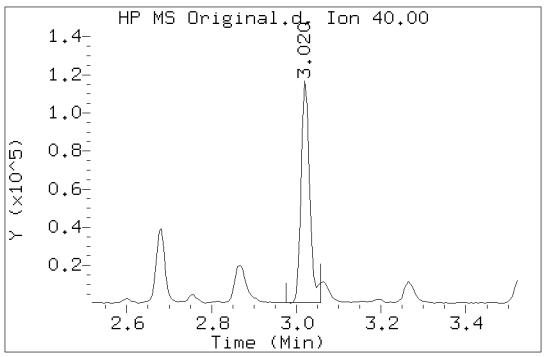
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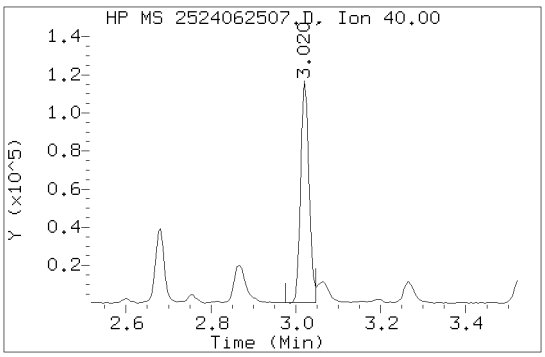
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25-Jun-2024
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AFTER
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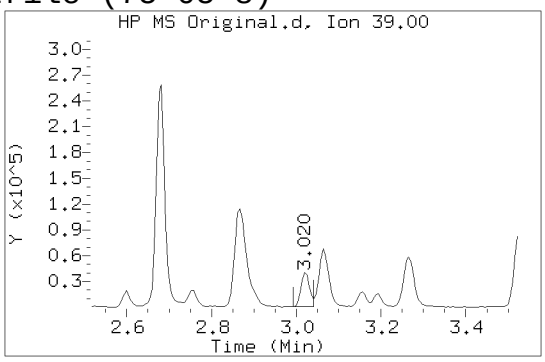


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LabSampID : 1237

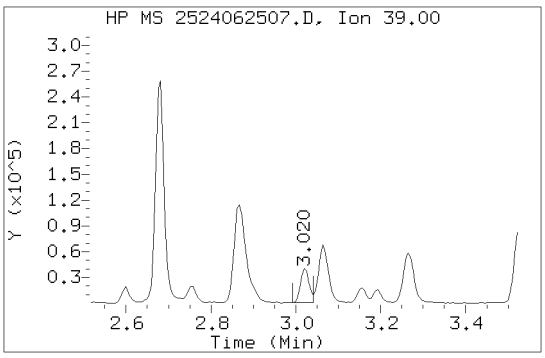
Acetonitrile (75-05-8)

Reason Code: I

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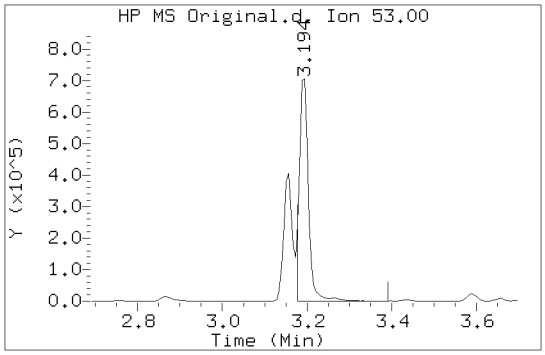
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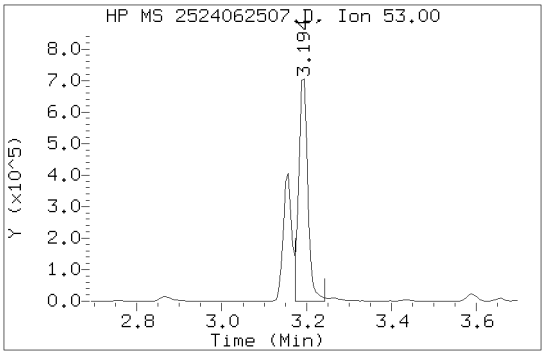
Acrylonitrile (107-13-1)

Reason Code: MP

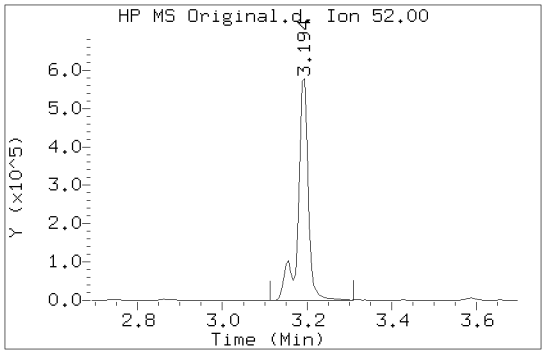
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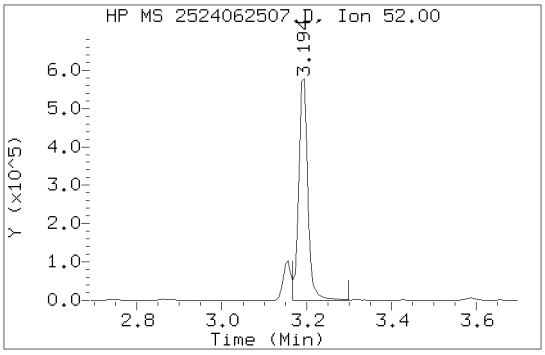
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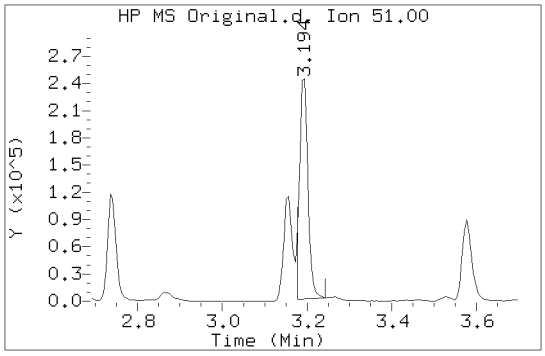
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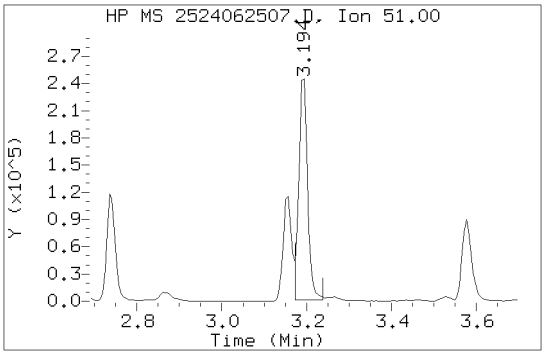
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AFTER
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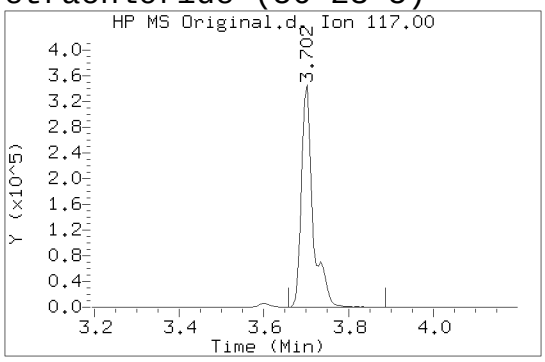


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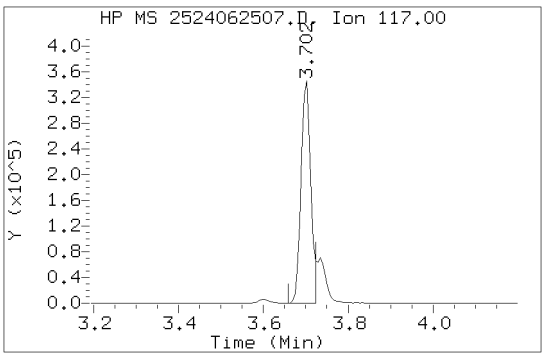
Carbon Tetrachloride (56-23-5)

Reason Code: MP

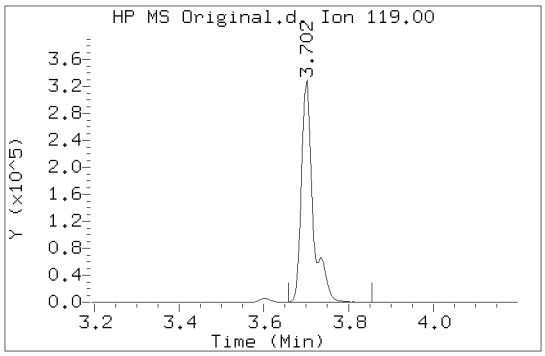
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25-Jun-2024
18:13



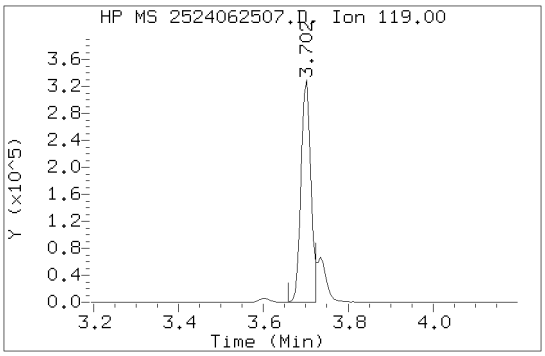
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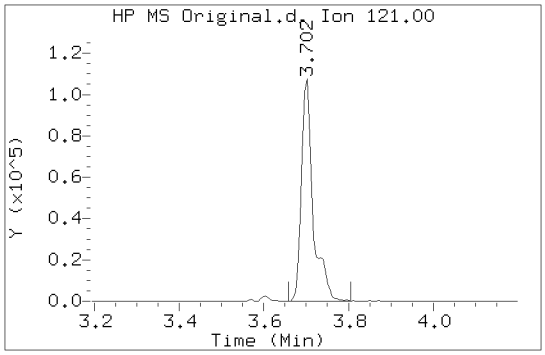
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25-Jun-2024
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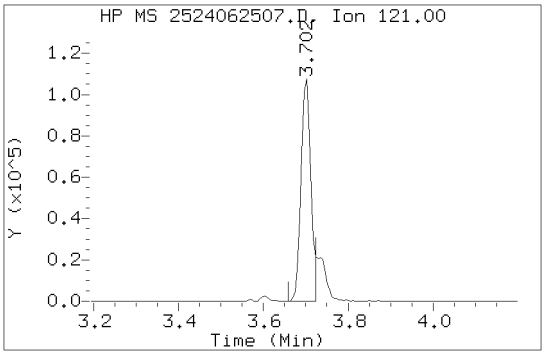
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BEFORE
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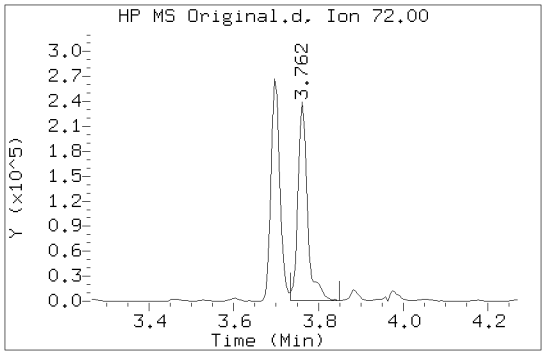
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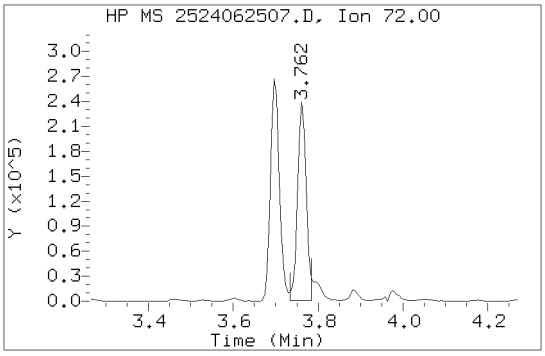
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Reason Code: MP

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AFTER
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25-Jun-2024
19:31

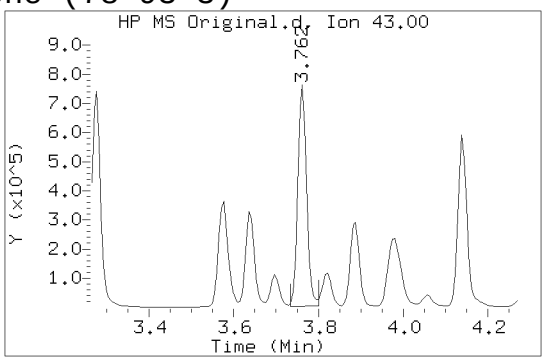


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Inj Date : 25-JUN-2024 12:24
InstruID : ms25.i
LabSampID : 1237

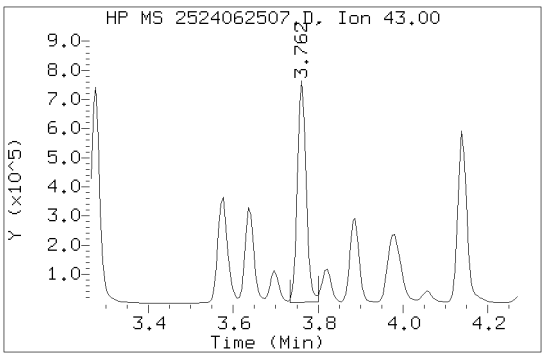
2-Butanone (78-93-3)

Reason Code: MP

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43
AREA
1100991
HEIGHT
759909
25-Jun-2024
18:13



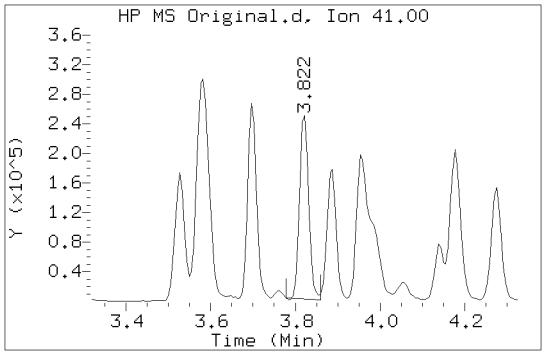
AFTER
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43
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HEIGHT
759909
25-Jun-2024
19:31



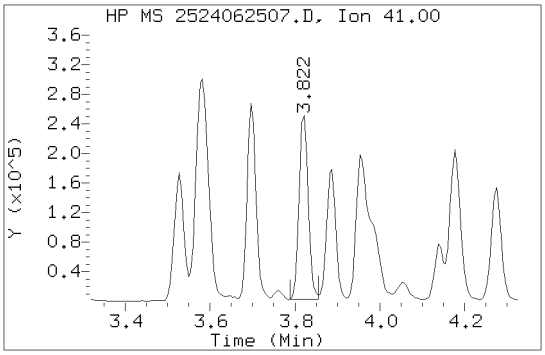
1-Chlorobutane (109-69-3)

Reason Code: I

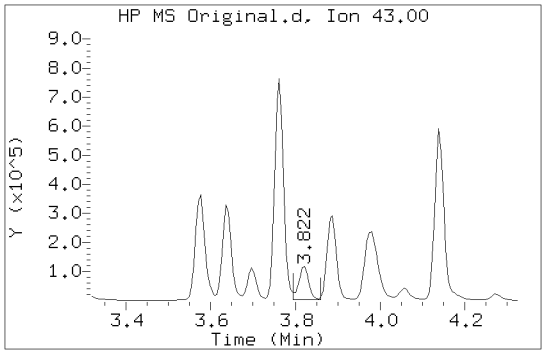
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41
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374876
HEIGHT
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25-Jun-2024
18:13



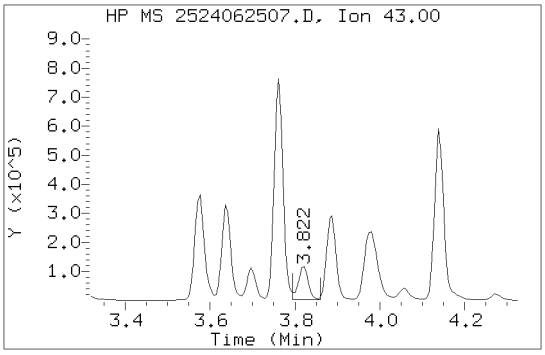
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25-Jun-2024
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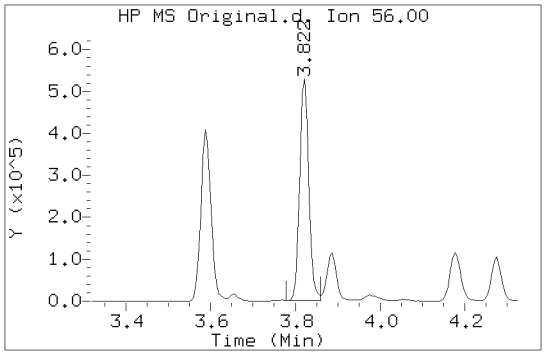
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43
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195215
HEIGHT
115255
25-Jun-2024
18:13



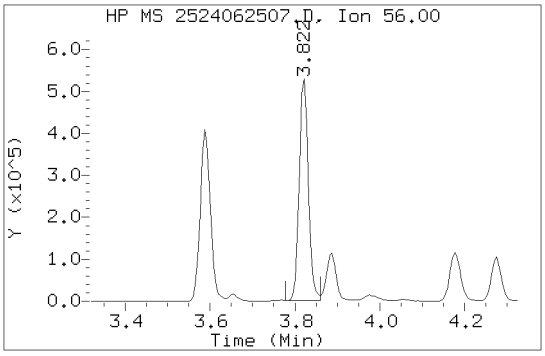
AFTER
MASS
43
AREA
195215
HEIGHT
115255
25-Jun-2024
19:31



BEFORE
MASS
56
AREA
796493
HEIGHT
529078
25-Jun-2024
18:13



AFTER
MASS
56
AREA
796493
HEIGHT
529078
25-Jun-2024
19:31

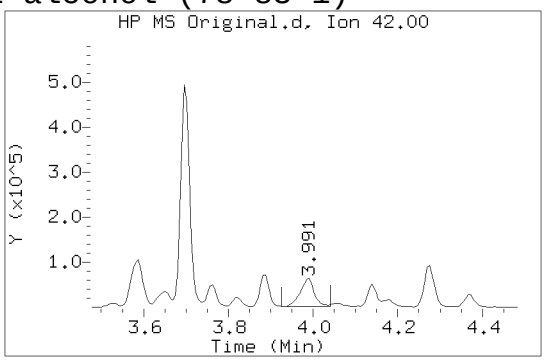


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LabSampID : 1237

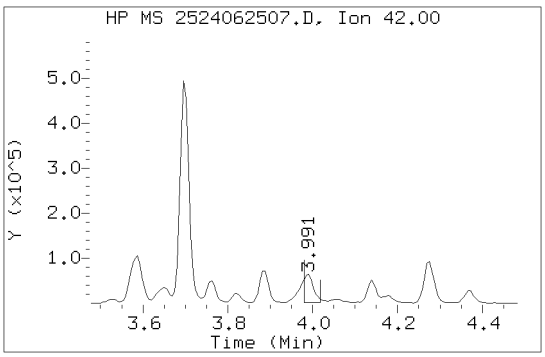
Isobutyl alcohol (78-83-1)

Reason Code: MP

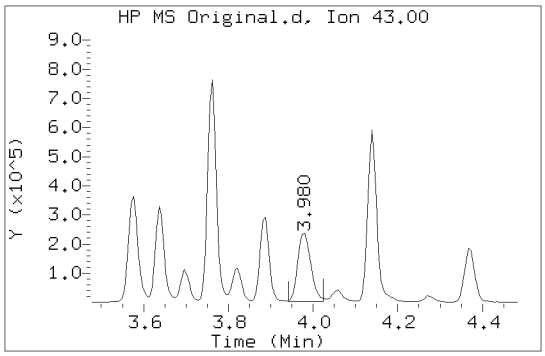
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42
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HEIGHT
62573
25-Jun-2024
18:13



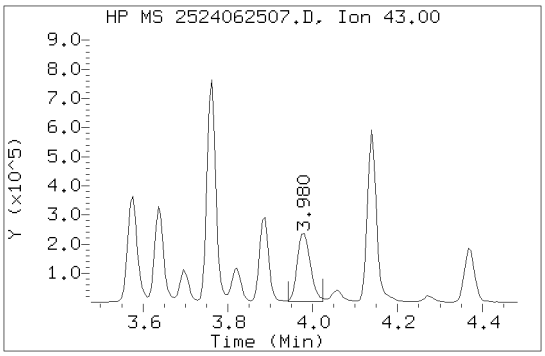
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42
AREA
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25-Jun-2024
19:31



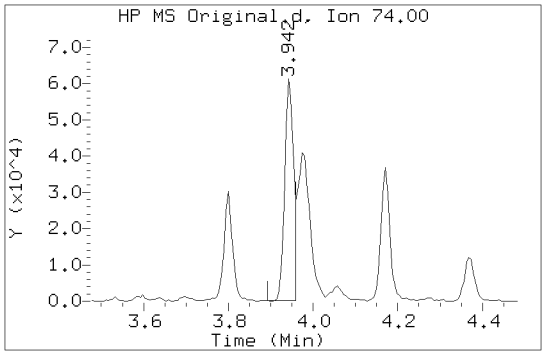
BEFORE
MASS
43
AREA
513535
HEIGHT
235532
25-Jun-2024
18:13



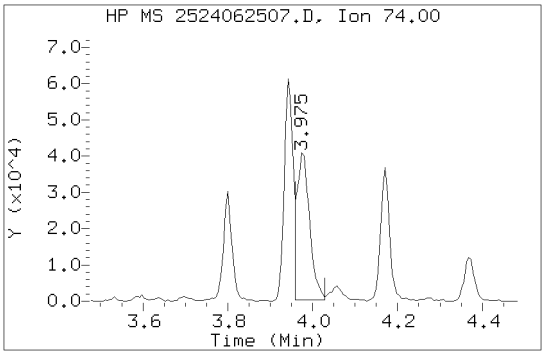
AFTER
MASS
43
AREA
513535
HEIGHT
235532
25-Jun-2024
19:31



BEFORE
MASS
74
AREA
89775
HEIGHT
61104
25-Jun-2024
18:13



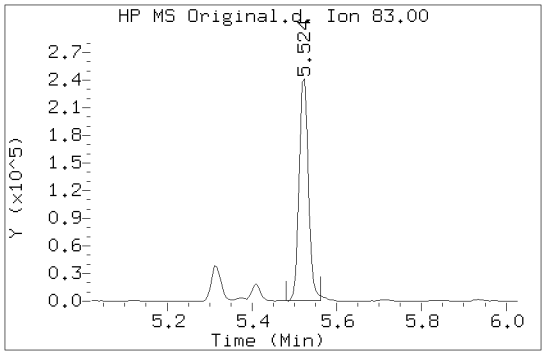
AFTER
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74
AREA
88150
HEIGHT
40518
25-Jun-2024
19:31



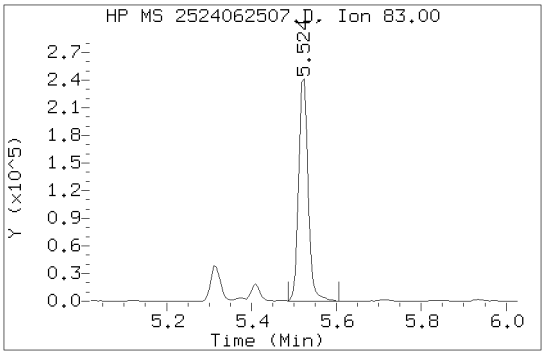
1,1,2-Trichloroethane (79-00-5)

Reason Code: I

BEFORE
MASS
83
AREA
370462
HEIGHT
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25-Jun-2024
18:13



AFTER
MASS
83
AREA
377593
HEIGHT
241170
25-Jun-2024
19:31

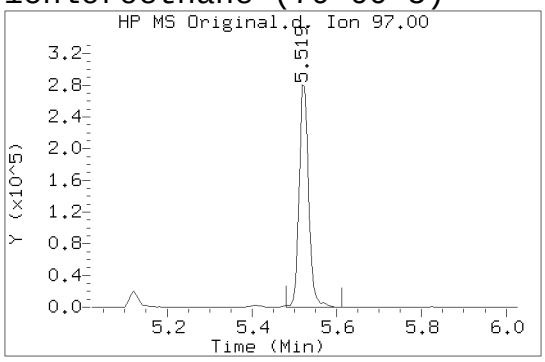


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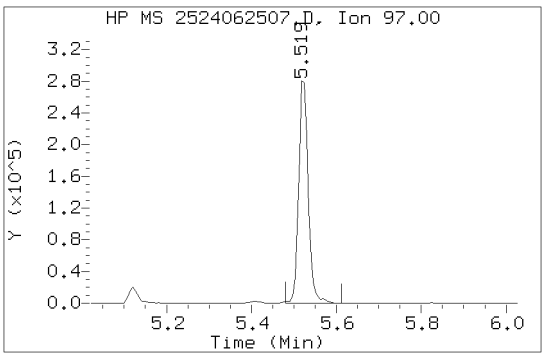
1,1,2-Trichloroethane (79-00-5)

Reason Code: I

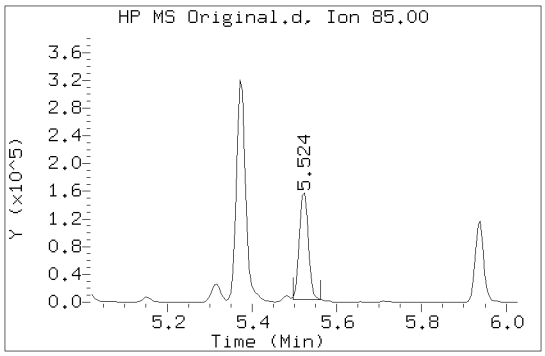
BEFORE
MASS
97
AREA
440302
HEIGHT
280320
25-Jun-2024
18:13



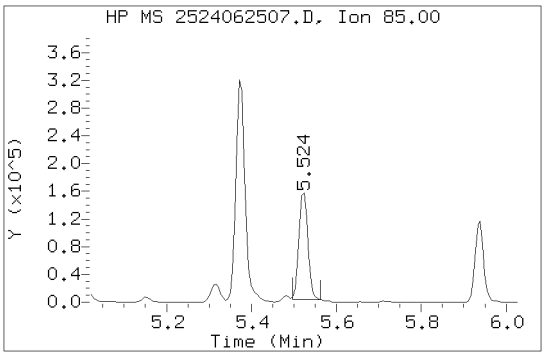
AFTER
MASS
97
AREA
440302
HEIGHT
280320
25-Jun-2024
19:31



BEFORE
MASS
85
AREA
231090
HEIGHT
154322
25-Jun-2024
18:13



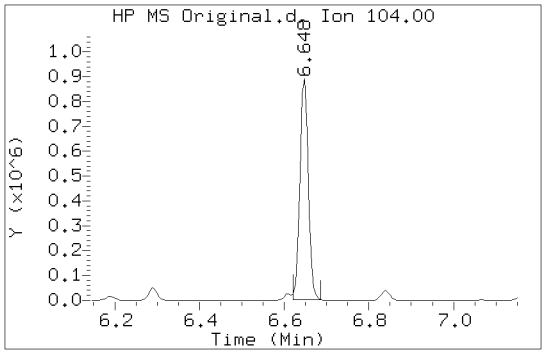
AFTER
MASS
85
AREA
231090
HEIGHT
154322
25-Jun-2024
19:31



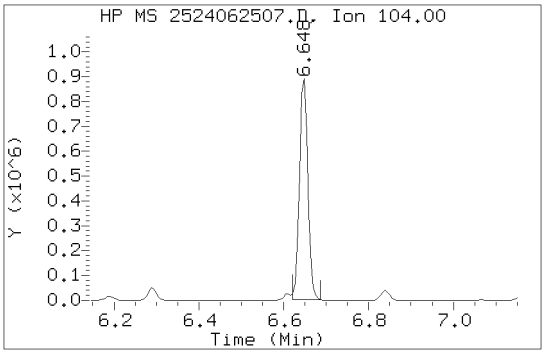
Styrene (100-42-5)

Reason Code: I

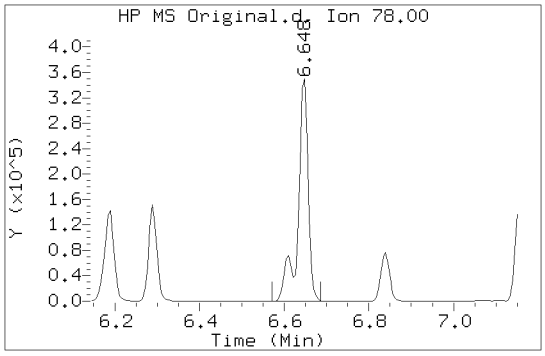
BEFORE
MASS
104
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1227060
HEIGHT
888636
25-Jun-2024
18:13



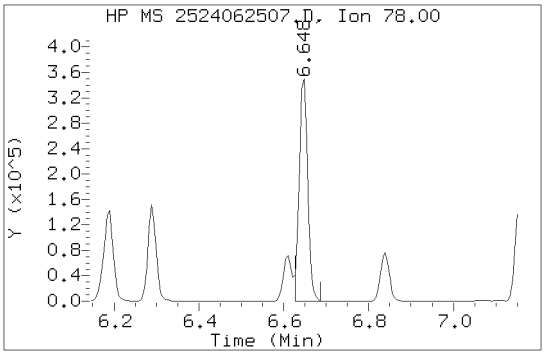
AFTER
MASS
104
AREA
1227060
HEIGHT
888636
25-Jun-2024
19:31



BEFORE
MASS
78
AREA
590646
HEIGHT
349696
25-Jun-2024
18:13



AFTER
MASS
78
AREA
490491
HEIGHT
349493
25-Jun-2024
19:31

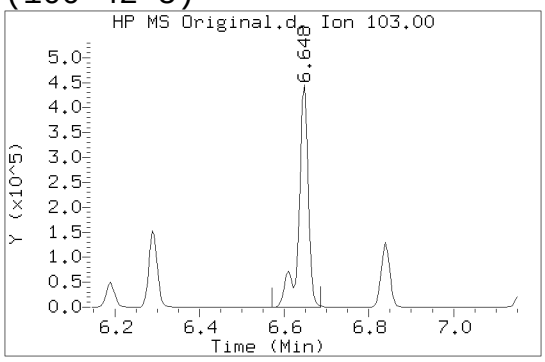


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LabSampID : 1237

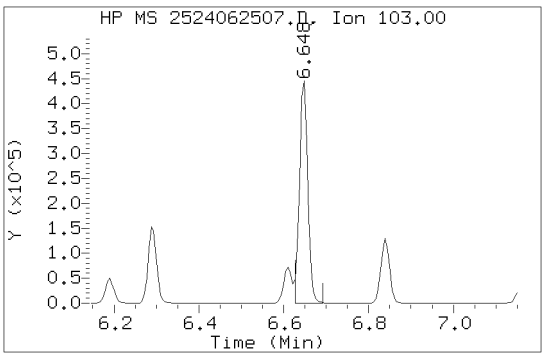
Styrene (100-42-5)

Reason Code: I

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103
AREA
706899
HEIGHT
445440
25-Jun-2024
18:13



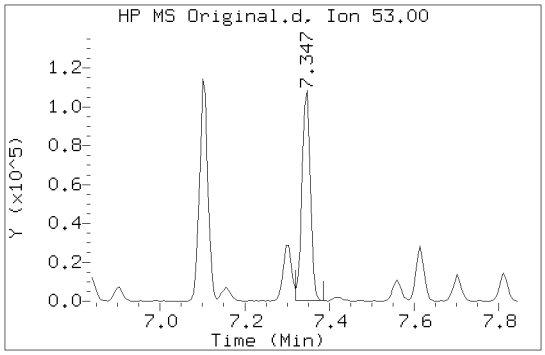
AFTER
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608627
HEIGHT
445294
25-Jun-2024
19:31



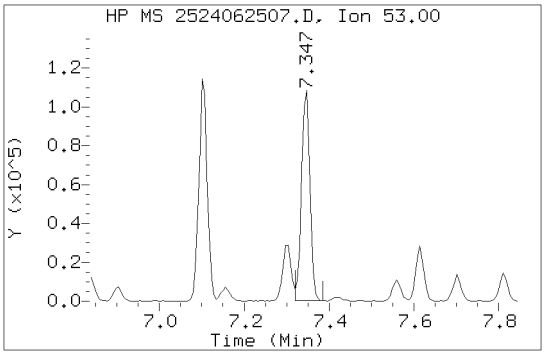
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

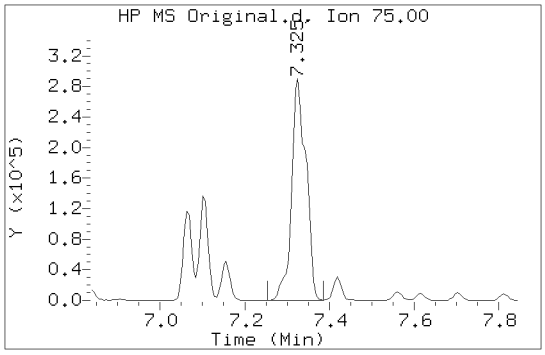
BEFORE
MASS
53
AREA
149889
HEIGHT
108236
25-Jun-2024
18:13



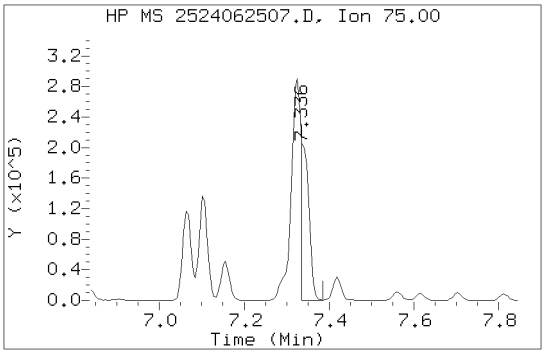
AFTER
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53
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149889
HEIGHT
108236
25-Jun-2024
19:31



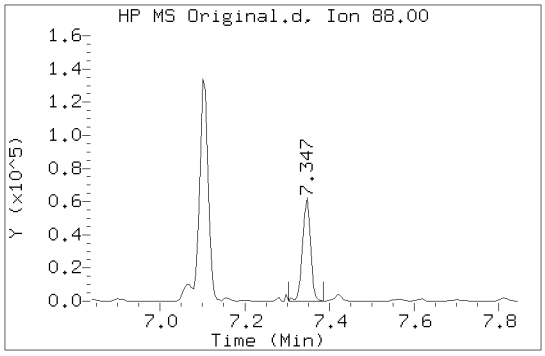
BEFORE
MASS
75
AREA
689042
HEIGHT
290112
25-Jun-2024
18:13



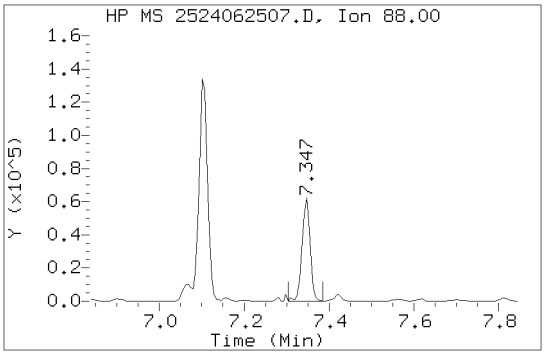
AFTER
MASS
75
AREA
264959
HEIGHT
205766
25-Jun-2024
19:31



BEFORE
MASS
88
AREA
82132
HEIGHT
62280
25-Jun-2024
18:13



AFTER
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88
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82132
HEIGHT
62280
25-Jun-2024
19:31

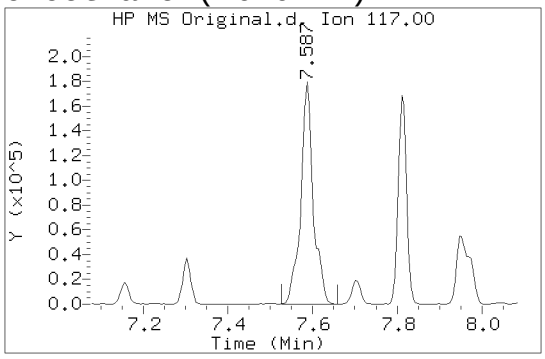


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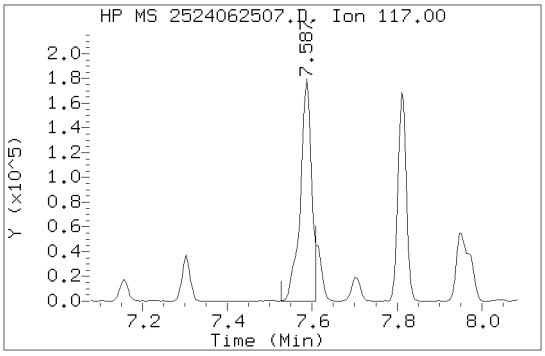
Pentachloroethane (76-01-7)

Reason Code: MP

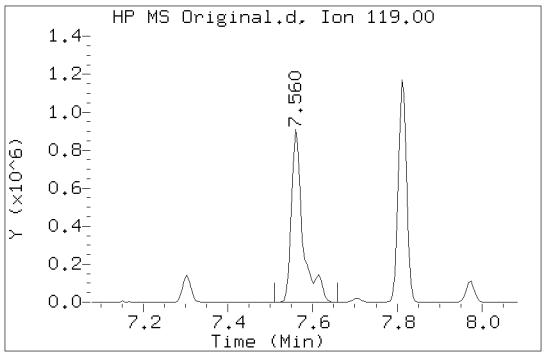
BEFORE
MASS
117
AREA
368716
HEIGHT
179648
25-Jun-2024
18:13



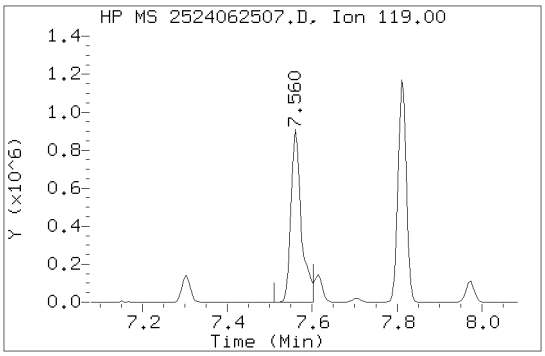
AFTER
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117
AREA
332675
HEIGHT
179648
25-Jun-2024
19:31



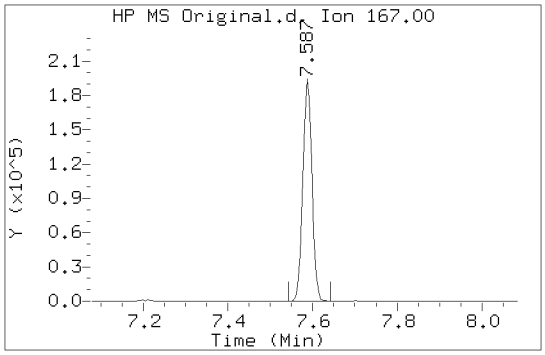
BEFORE
MASS
119
AREA
1737584
HEIGHT
911232
25-Jun-2024
18:13



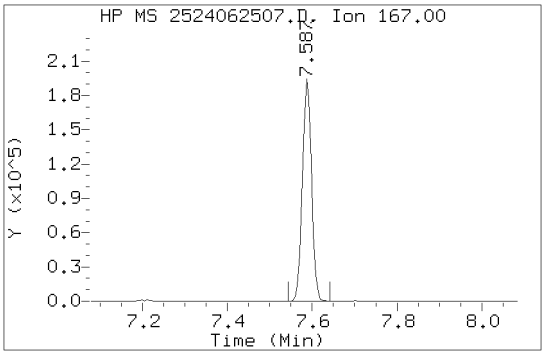
AFTER
MASS
119
AREA
1572296
HEIGHT
911232
25-Jun-2024
19:31



BEFORE
MASS
167
AREA
291176
HEIGHT
194496
25-Jun-2024
18:13



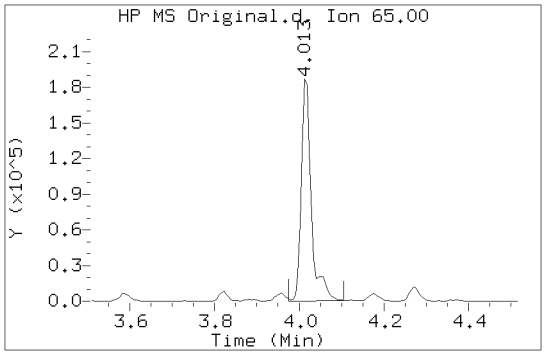
AFTER
MASS
167
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291176
HEIGHT
194496
25-Jun-2024
19:31



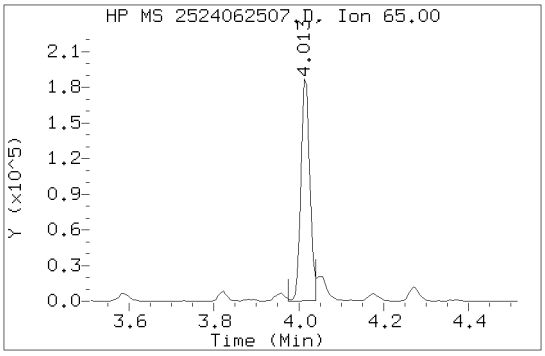
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

BEFORE
MASS
65
AREA
306387
HEIGHT
186600
25-Jun-2024
18:13



AFTER
MASS
65
AREA
275529
HEIGHT
186601
25-Jun-2024
19:31

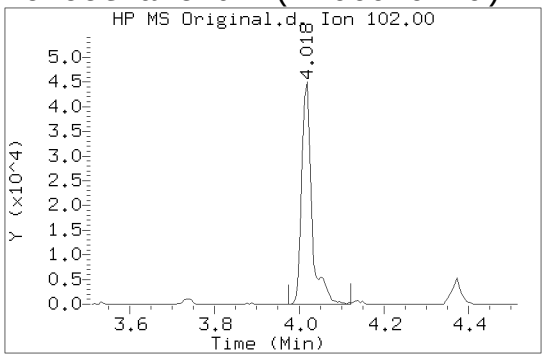


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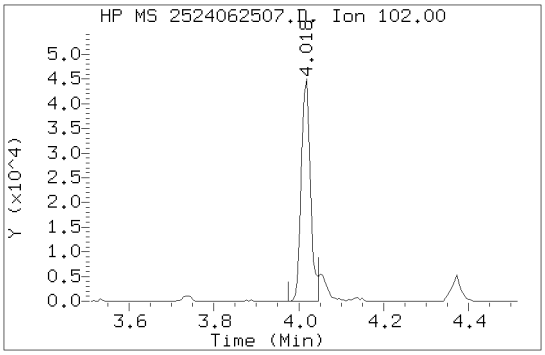
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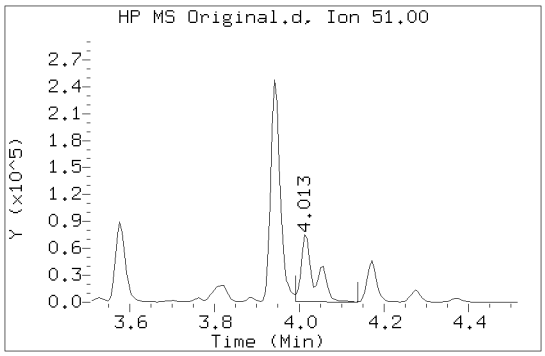
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25-Jun-2024
18:13



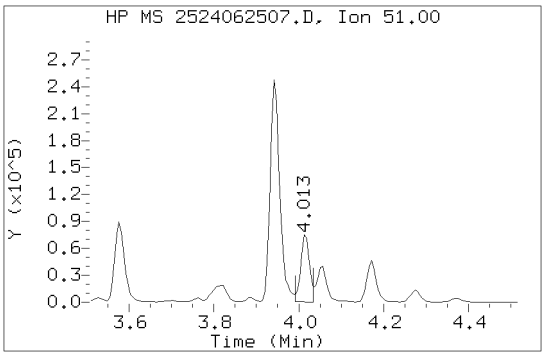
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BEFORE
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HEIGHT
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25-Jun-2024
18:13



AFTER
MASS
51
AREA
110484
HEIGHT
75164
25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/252406250
Inj Date: 25-JUN-2024 12:24
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062508.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062508.D
Lab Smp Id: 1238
Inj Date : 25-JUN-2024 12:45
Operator : ILY Inst ID: ms25.i
Smp Info : 1238;;1;1;5;;;
Misc Info :
Comment :
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Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	1280711	100.000	108.035	
2 Chloromethane	50	1.644	1.645	(0.394)	1078871	100.000	104.339	
3 Vinyl Chloride	62	1.704	1.705	(0.409)	1417886	100.000	105.803	
4 Bromomethane	94	1.922	1.923	(0.461)	683038	100.000	106.980	
5 Chloroethane	64	2.004	2.005	(0.481)	939865	100.000	104.159	
6 Pentane	41	2.091	2.092	(0.502)	877950	100.000	106.282	
7 Trichlorofluoromethane	101	2.097	2.103	(0.503)	1936633	100.000	105.503	
8 Dichlorofluoromethane	67	2.124	2.125	(0.509)	1909414	100.000	112.418	
9 Ethyl Ether	74	2.277	2.278	(0.546)	577826	100.000	111.873	
10 1,1-Dichloroethene	61	2.413	2.409	(0.579)	1162374	100.000	112.779	
11 Freon 113	101	2.424	2.425	(0.581)	828017	100.000	114.221	
12 Carbon Disulfide	76	2.446	2.447	(0.587)	2554462	100.000	114.893	
13 Iodomethane	127	2.512	2.507	(0.602)	423659	100.000	105.457(M)	MP
14 Acrolein	56	2.599	2.600	(0.623)	917167	500.000	551.695(A)	
15 Isopropyl Alcohol	45	2.653	2.654	(0.636)	289391	500.000	536.134(A)	
16 3-Chloro-1-propene	41	2.681	2.676	(0.643)	973704	100.000	108.215	
17 Methylene Chloride	84	2.741	2.741	(0.657)	917372	100.000	108.966	
18 Acetone	58	2.757	2.752	(0.661)	490337	500.000	525.690(A)	
19 Methyl acetate	74	2.812	2.812	(0.674)	195422	100.000	102.434	
20 trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	1142895	100.000	113.218	
21 Hexane	57	2.866	2.867	(0.687)	1762469	100.000	105.284	

Data File: 2524062508.D
Report Date: 25-Jun-2024 19:32

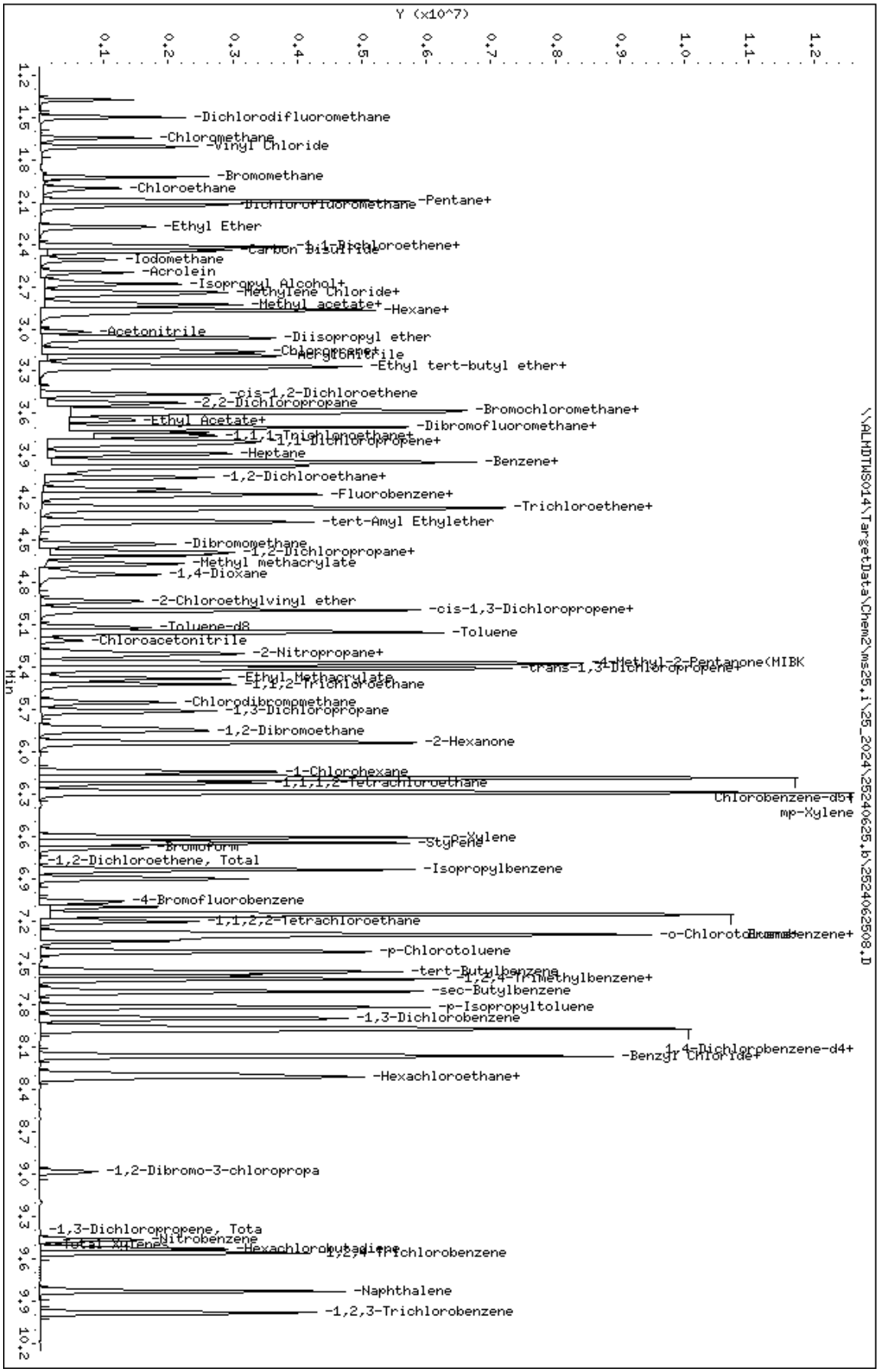
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	2707334	100.000	104.288	
	23 tert.- Butyl Alcohol	59	2.899	2.889	(0.695)	531352	500.000	570.639(A)	
	24 Acetonitrile	41	3.019	3.020	(0.724)	586835	500.000	562.628(A)	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	2528853	100.000	112.877	
	26 Chloroprene	53	3.155	3.156	(0.757)	1314924	100.000	115.767	
	27 1,1-Dichloroethane	63	3.172	3.167	(0.761)	1557064	100.000	113.218	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	2086695	500.000	582.594(AM)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	2763916	100.000	116.157	
	30 n-Propanol	41	3.265	3.260	(0.783)	457445	1000.00	1036.42(A)	
	31 Vinyl Acetate	86	3.275	3.276	(0.785)	244750	100.000	103.846	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	1151450	100.000	112.496	
	33 2,2-Dichloropropane	77	3.526	3.522	(0.846)	1243832	100.000	113.477	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	505828	100.000	114.597	
	35 Cyclohexane	84	3.586	3.587	(0.860)	1388288	100.000	113.040	
	36 Chloroform	83	3.597	3.598	(0.863)	1699897	100.000	114.497	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	938737	100.000	105.546	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	947622	100.000	114.973	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	1141242	100.000	104.056(M)	MP
$	41 Dibromofluoromethane	113	3.706	3.707	(0.889)	259811	30.0000	30.7343	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	1387430	500.000	550.631(A)	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	1344421	100.000	116.341	
	43 2-Butanone	72	3.761	3.767	(0.902)	680917	500.000	559.005(AM)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	1236081	100.000	113.082	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	750558	100.000	106.774(M)	I
	46 Heptane	71	3.887	3.887	(0.932)	692684	100.000	109.073	
	47 Benzene	78	3.941	3.942	(0.945)	3618340	100.000	107.696	
	48 Propionitrile	54	3.941	3.942	(0.945)	774353	500.000	570.925(A)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	465553	100.000	114.504	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	2638153	100.000	114.857	
	54 Isobutyl alcohol	42	3.990	3.980	(0.957)	211992	1000.00	1020.63(AQM)	MP
$	51 1,2-Dichloroethane-d4	65	4.012	4.013	(0.962)	268195	30.0000	30.0964(M)	MP
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	1135084	100.000	107.472	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	401168	500.000	561.534(A)	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1071368	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	2168082	100.000	106.165	
	57 Trichloroethene	95	4.268	4.269	(1.024)	928864	100.000	109.238	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	1513087	100.000	108.597	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	2075694	100.000	103.393	
	60 Dibromomethane	93	4.525	4.526	(1.085)	615591	100.000	114.519	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	916829	100.000	113.382	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	1172803	100.000	103.923	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	760558	100.000	118.844	
	64 1,4-Dioxane	88	4.721	4.722	(1.132)	341622	2500.00	2729.14(A)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	612756	100.000	103.147	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	1499905	100.000	102.916	
	67 Octane	85	5.000	5.000	(0.810)	586960	100.000	111.106	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1004893	30.0000	29.5486	
	69 Toluene	92	5.152	5.153	(0.835)	2215702	100.000	102.793	
	70 Chloroacetonitrile	75	5.212	5.208	(0.844)	313617	500.000	583.645(A)	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	1224339	500.000	515.968(A)	
	72 1,1-Dichloro-2-Propanone	63	5.311	5.317	(0.860)	120735	500.000	526.185(AQ)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	4540988	500.000	532.322(A)	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	1390540	100.000	103.018	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	861759	100.000	109.793	

Data File: 2524062508.D
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	76 Ethyl Methacrylate	69	5.480	5.481	(0.888)	1354483	100.000	103.911	
	77 1,1,2-Trichloroethane	83	5.523	5.524	(0.895)	726717	100.000	109.731	
	78 Chlorodibromomethane	129	5.649	5.650	(0.915)	980105	100.000	103.998	
	79 1,3-Dichloropropane	76	5.714	5.710	(0.926)	1471130	100.000	112.429	
	80 1,2-Dibromoethane	107	5.829	5.830	(0.944)	921715	100.000	104.304	
	81 2-Hexanone	43	5.933	5.933	(0.961)	3096661	500.000	529.025(A)	
	82 1-Chlorohexane	91	6.146	6.146	(0.996)	1297909	100.000	114.457	
*	83 Chlorobenzene-d5	82	6.173	6.174	(1.000)	429544	30.0000		
	84 Chlorobenzene	112	6.184	6.184	(1.002)	2443576	100.000	111.243	
	85 Ethylbenzene	106	6.189	6.190	(1.003)	1327438	100.000	103.500	
	86 1,1,1,2-Tetrachloroethane	131	6.222	6.223	(1.008)	867838	100.000	104.290	
	87 mp-Xylene	106	6.287	6.288	(1.019)	3168696	200.000	208.645(A)	
	88 o-Xylene	106	6.609	6.610	(1.071)	1516109	100.000	103.716	
	89 Styrene	104	6.648	6.648	(0.836)	2454318	100.000	102.297(M)	MP
	90 Bromoform	173	6.680	6.686	(0.840)	690099	100.000	101.763	
	91 Isopropylbenzene	105	6.838	6.839	(0.860)	3465736	100.000	103.792	
M	100 1,2-Dichloroethene, Total	61				2294345	200.000	225.714	
$	92 4-Bromofluorobenzene	174	7.068	7.068	(0.889)	346523	30.0000	30.9724	
	93 Bromobenzene	156	7.155	7.156	(0.900)	1061383	100.000	111.003	
	94 n-Propylbenzene	120	7.155	7.156	(0.900)	1084898	100.000	110.958	
	95 1,1,2,2-Tetrachloroethane	83	7.204	7.205	(0.906)	1083239	100.000	113.982	
	96 o-Chlorotoluene	91	7.291	7.292	(0.917)	2871759	100.000	111.635	
	97 1,3,5-Trimethylbenzene	105	7.302	7.303	(0.918)	3015928	100.000	110.832	
	98 1,2,3-Trichloropropane	110	7.324	7.325	(0.921)	340852	100.000	111.201	
	99 trans-1,4-Dichloro-2-butene	53	7.346	7.341	(0.924)	297095	100.000	101.573(M)	MP
	101 p-Chlorotoluene	91	7.417	7.418	(0.933)	2569291	100.000	110.266	
	102 tert-Butylbenzene	134	7.559	7.559	(0.951)	733804	100.000	112.751	
	103 Pentachloroethane	117	7.586	7.581	(0.954)	667170	100.000	101.782(M)	MP
	104 1,2,4-Trimethylbenzene	105	7.613	7.614	(0.957)	2964649	100.000	103.049	
	105 sec-Butylbenzene	105	7.701	7.707	(0.968)	3807940	100.000	113.225	
	106 p-Isopropyltoluene	134	7.815	7.816	(0.983)	882856	100.000	114.632	
	107 1,3-Dichlorobenzene	146	7.892	7.892	(0.992)	1788974	100.000	111.056	
*	108 1,4-Dichlorobenzene-d4	152	7.952	7.952	(1.000)	404418	30.0000	(Q)	
	109 1,4-Dichlorobenzene	146	7.963	7.963	(1.001)	1841285	100.000	109.659	
	110 Benzyl Chloride	126	8.159	8.160	(1.026)	405519	100.000	100.284(Q)	
	111 n-Butylbenzene	134	8.159	8.160	(1.026)	788569	100.000	109.565	
	112 Hexachloroethane	117	8.290	8.285	(1.043)	590317	100.000	101.880	
	113 1,2-Dichlorobenzene	146	8.312	8.311	(1.045)	1716708	100.000	111.877	
	114 1,2-Dibromo-3-chloropropane	75	8.983	8.984	(1.130)	187226	100.000	102.574	
	115 Nitrobenzene	77	9.463	9.464	(1.190)	699975	1000.00	1037.49(A)	
	116 Hexachlorobutadiene	225	9.529	9.524	(1.198)	520622	100.000	102.290	
M	120 1,3-Dichloropropene, Total	75				2890445	200.000	205.934	
	117 1,2,4-Trichlorobenzene	180	9.556	9.556	(1.202)	1183404	100.000	116.457	
M	121 Total Xylenes	106				4684805	300.000	312.362	
	118 Naphthalene	128	9.829	9.829	(1.236)	3095315	100.000	103.286	
	119 1,2,3-Trichlorobenzene	180	9.981	9.982	(1.255)	1155326	100.000	100.890	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.


Y (x10^7)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Pentane+
-Ethyl Ether
-Carbon Disulfide
-Iodomethane
-Acrolein
-Isopropyl Alcohol+
-Methylene Chloride+
-Methyl acetate+
-Hexane+
-Acetonitrile
-Diisopropyl ether
-Ethyl tert-butyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Ethyl Acetate+
-Dibromofluoromethane+
-Heptane
-Benzene+
-1,2-Dichloroethane+
-Fluorobenzene+
-Trichloroethene+
-tert-Amyl Ethylether
-Dibromomethane
-1,2-Dichloropropane+
-Methyl methacrylate
-1,4-Dioxane
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8
-Toluene
-Chloroacetonitrile
-2-Nitropropane+
-4-Methyl-2-Pentanone(MIBK
-trans-1,3-Dichloropropene+
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-Chlorodibrompmethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-1-Chlorohexane
-1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
mp-Xylene
-o-Xylene
-Styrene
-Bromoform
-1,2-Dichloroethene, Total
-Isopropylbenzene
-4-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-p-Chlorotoluene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene+
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-Hexachloroethane+
-1,2-Dibromo-3-chloropropa
-1,3-Dichloropropene, Tota
-Nitrobenzene
-Total Xylenes
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
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Page 1

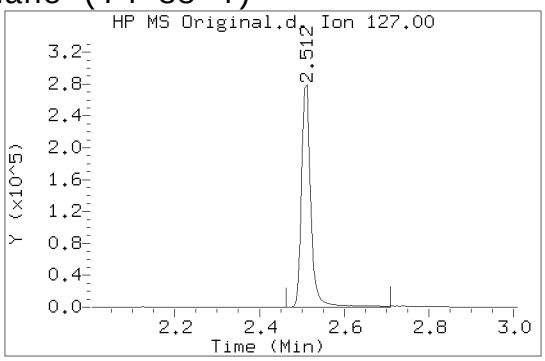
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LabSampID : 1238

Iodomethane (74-88-4)

Reason Code: MP

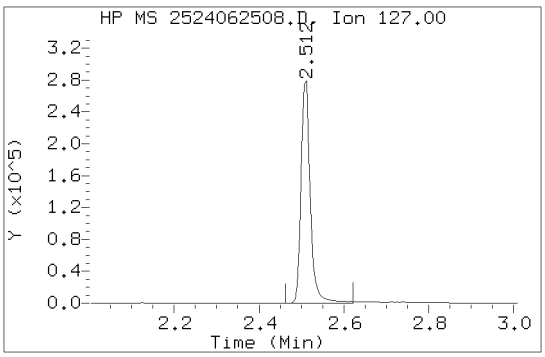
BEFORE

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25-Jun-2024
18:20



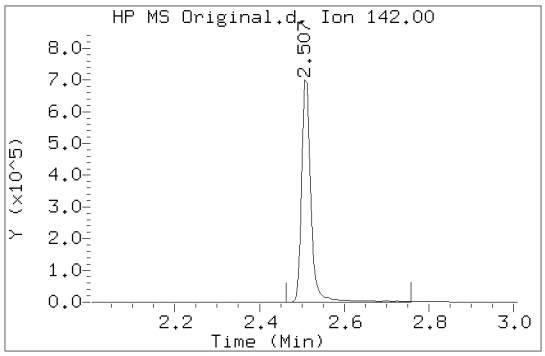
AFTER

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25-Jun-2024
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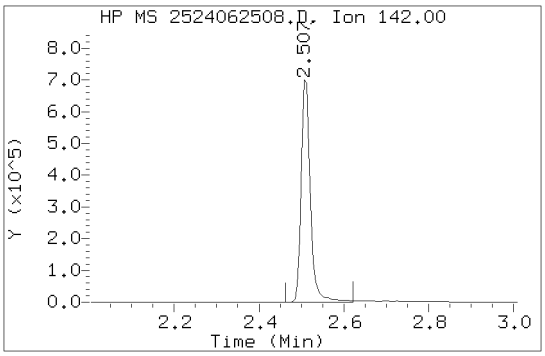
BEFORE

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25-Jun-2024
18:20



AFTER

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25-Jun-2024
19:31

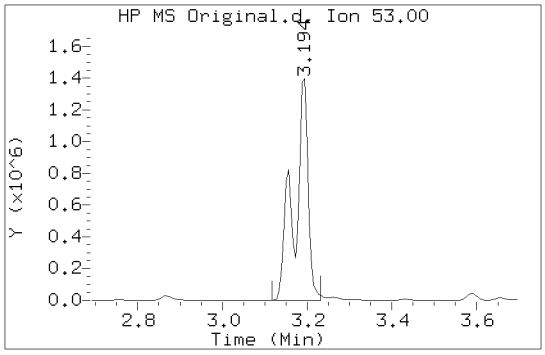


Acrylonitrile (107-13-1)

Reason Code: MP

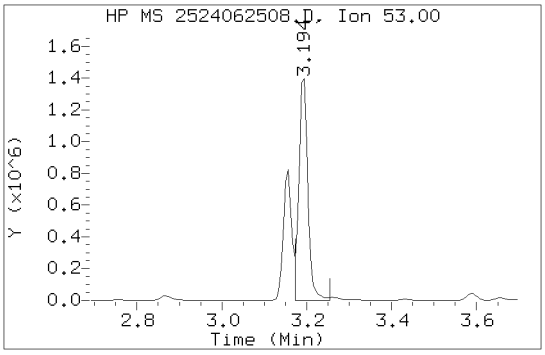
BEFORE

MASS
53
AREA
3146294
HEIGHT
1396433
25-Jun-2024
18:20



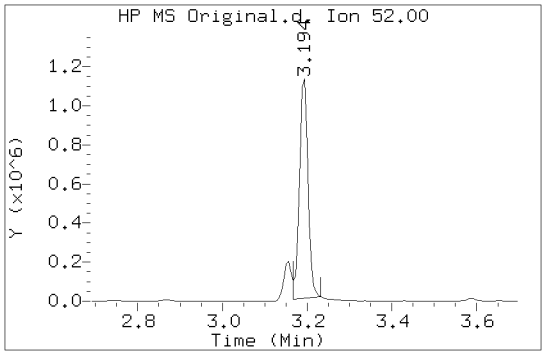
AFTER

MASS
53
AREA
2086695
HEIGHT
1396088
25-Jun-2024
19:31



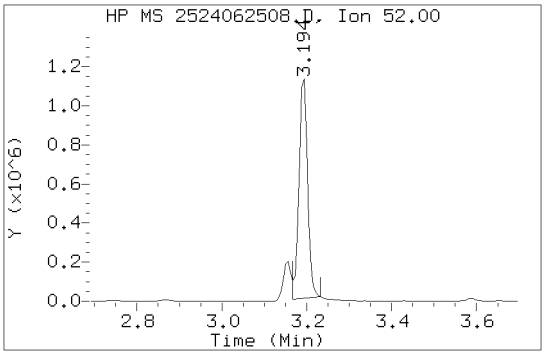
BEFORE

MASS
52
AREA
1590847
HEIGHT
1122482
25-Jun-2024
18:20



AFTER

MASS
52
AREA
1590847
HEIGHT
1122482
25-Jun-2024
19:31

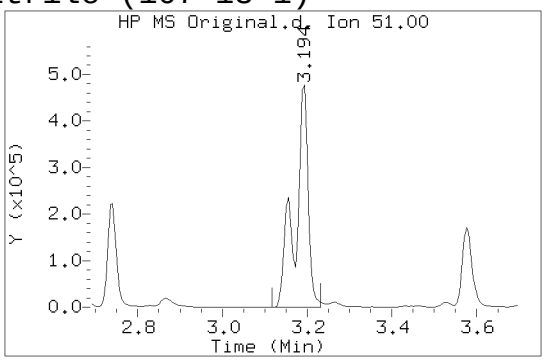


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LabSampID : 1238

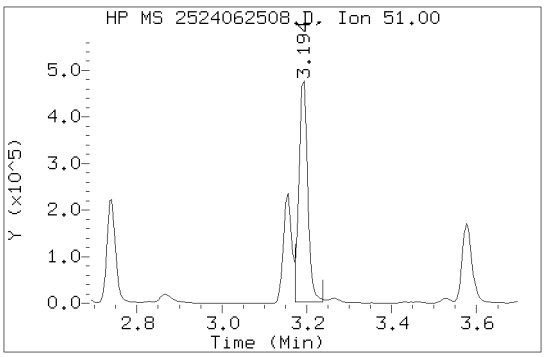
Acrylonitrile (107-13-1)

Reason Code: MP

BEFORE
MASS
51
AREA
1015921
HEIGHT
477632
25-Jun-2024
18:20



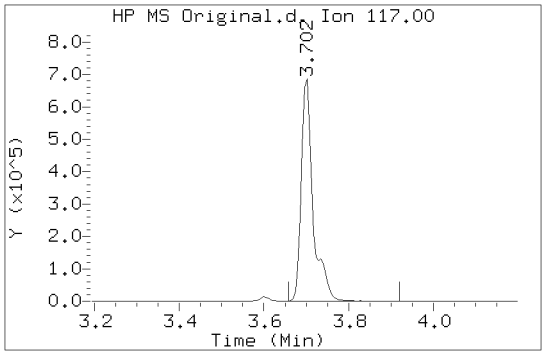
AFTER
MASS
51
AREA
691823
HEIGHT
474483
25-Jun-2024
19:31



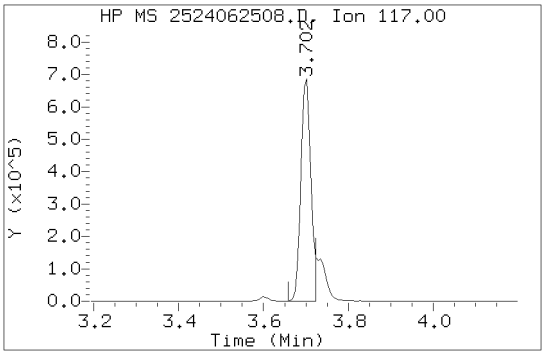
Carbon Tetrachloride (56-23-5)

Reason Code: MP

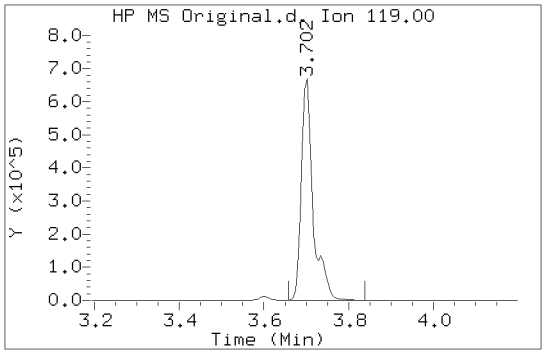
BEFORE
MASS
117
AREA
1340898
HEIGHT
685952
25-Jun-2024
18:20



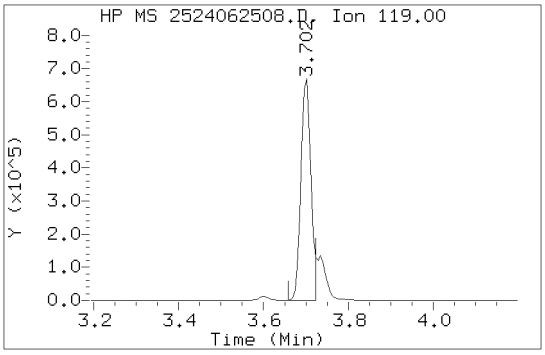
AFTER
MASS
117
AREA
1141242
HEIGHT
685952
25-Jun-2024
19:31



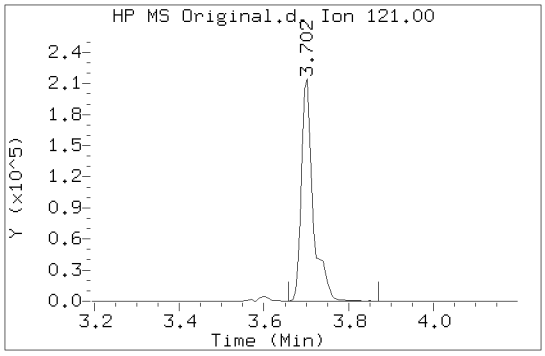
BEFORE
MASS
119
AREA
1300214
HEIGHT
669237
25-Jun-2024
18:20



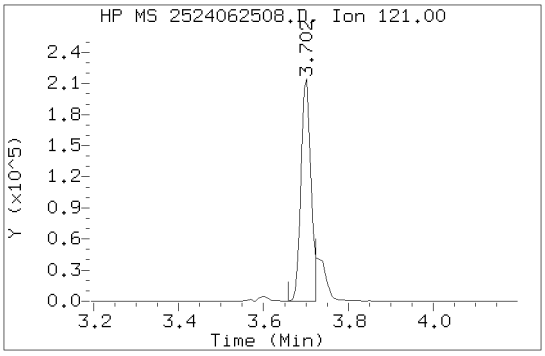
AFTER
MASS
119
AREA
1108054
HEIGHT
669237
25-Jun-2024
19:31



BEFORE
MASS
121
AREA
416014
HEIGHT
214464
25-Jun-2024
18:20



AFTER
MASS
121
AREA
352724
HEIGHT
214464
25-Jun-2024
19:31

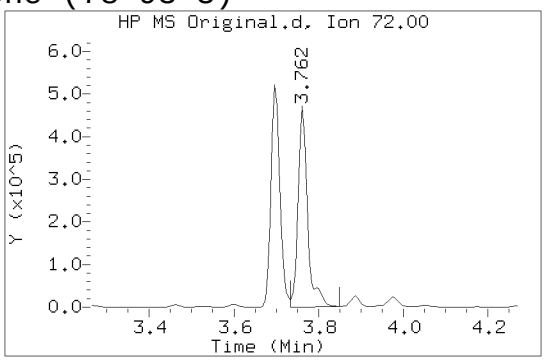


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InstruID : ms25.i
LabSampID : 1238

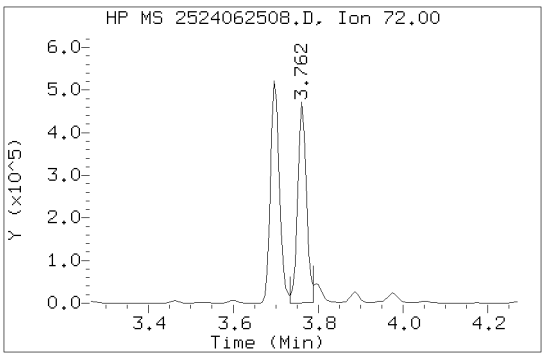
2-Butanone (78-93-3)

Reason Code: MP

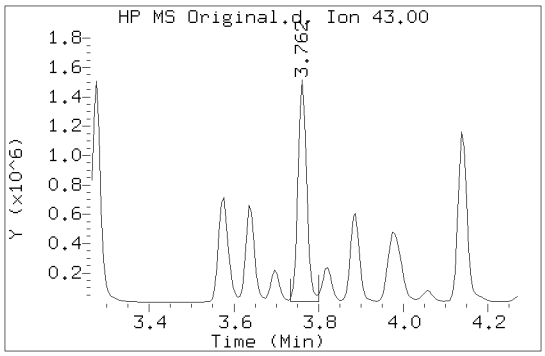
BEFORE
MASS
72
AREA
734461
HEIGHT
471672
25-Jun-2024
18:20



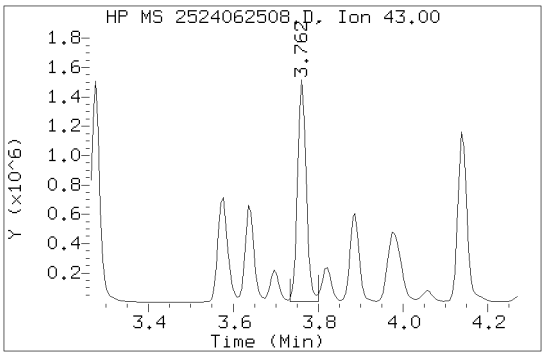
AFTER
MASS
72
AREA
680917
HEIGHT
471673
25-Jun-2024
19:31



BEFORE
MASS
43
AREA
2163935
HEIGHT
1509778
25-Jun-2024
18:20



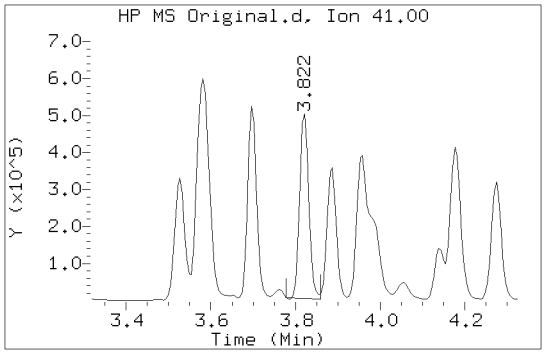
AFTER
MASS
43
AREA
2163935
HEIGHT
1509778
25-Jun-2024
19:31



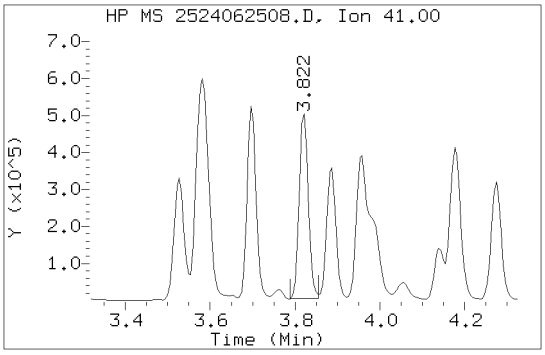
1-Chlorobutane (109-69-3)

Reason Code: I

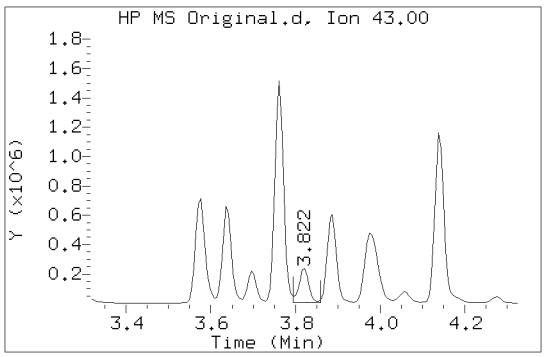
BEFORE
MASS
41
AREA
752135
HEIGHT
498573
25-Jun-2024
18:20



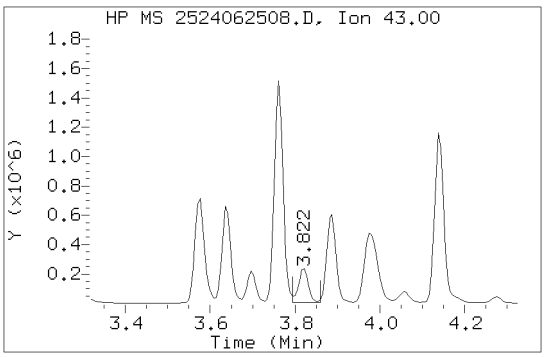
AFTER
MASS
41
AREA
750558
HEIGHT
499132
25-Jun-2024
19:31



BEFORE
MASS
43
AREA
385549
HEIGHT
231936
25-Jun-2024
18:20



AFTER
MASS
43
AREA
385549
HEIGHT
231936
25-Jun-2024
19:31

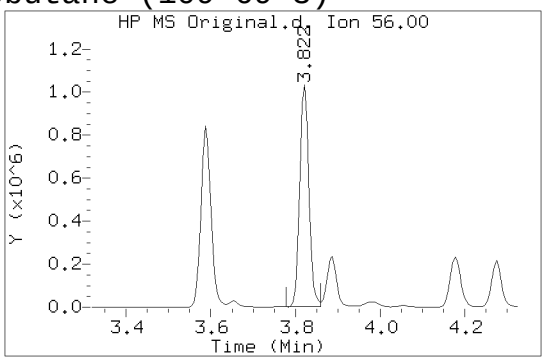


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LabSampID : 1238

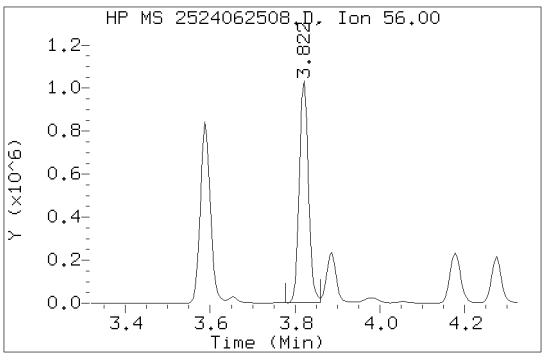
1-Chlorobutane (109-69-3)

Reason Code: I

BEFORE
MASS
56
AREA
1562097
HEIGHT
1032203
25-Jun-2024
18:20



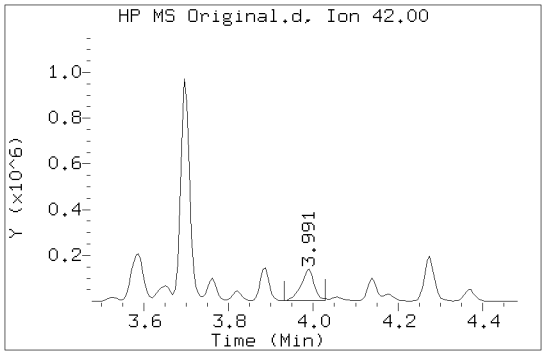
AFTER
MASS
56
AREA
1562097
HEIGHT
1032203
25-Jun-2024
19:31



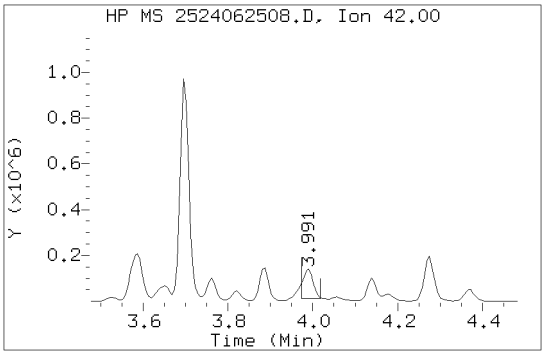
Isobutyl alcohol (78-83-1)

Reason Code: MP

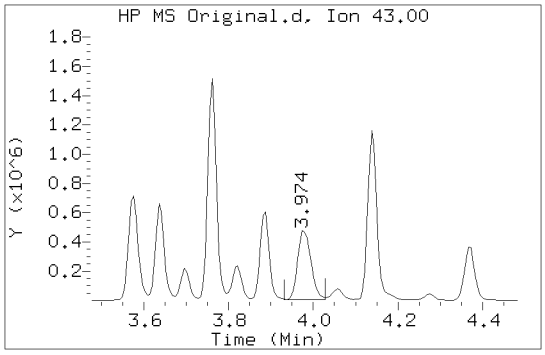
BEFORE
MASS
42
AREA
300551
HEIGHT
138328
25-Jun-2024
18:20



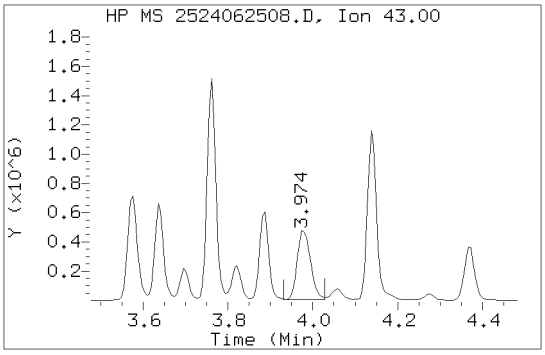
AFTER
MASS
42
AREA
211992
HEIGHT
129362
25-Jun-2024
19:31



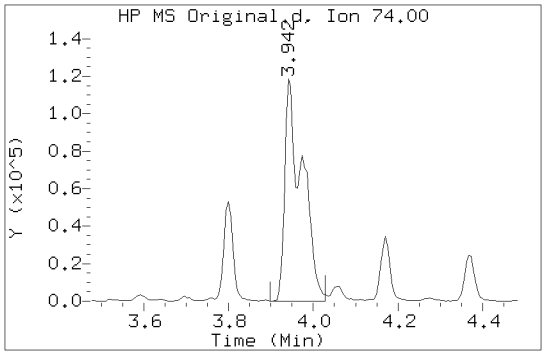
BEFORE
MASS
43
AREA
1050595
HEIGHT
473179
25-Jun-2024
18:20



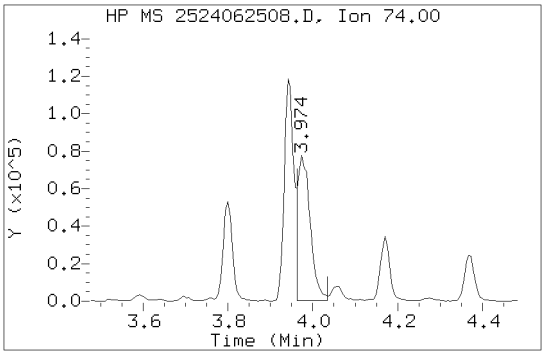
AFTER
MASS
43
AREA
1050595
HEIGHT
473179
25-Jun-2024
19:31



BEFORE
MASS
74
AREA
340688
HEIGHT
118552
25-Jun-2024
18:20



AFTER
MASS
74
AREA
161903
HEIGHT
77595
25-Jun-2024
19:31

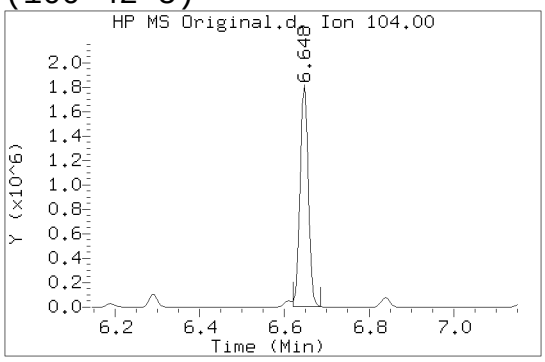


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LabSampID : 1238

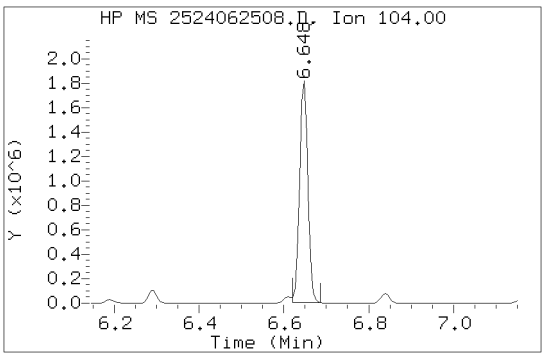
Styrene (100-42-5)

Reason Code: MP

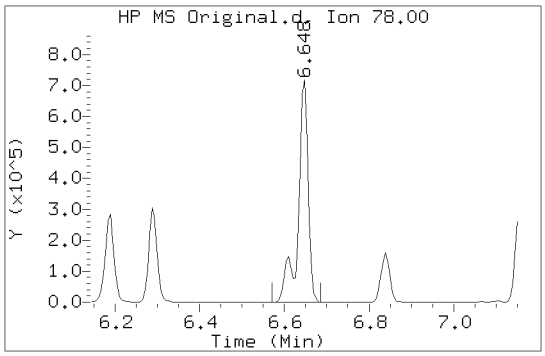
BEFORE
MASS
104
AREA
2454318
HEIGHT
1813453
25-Jun-2024
18:20



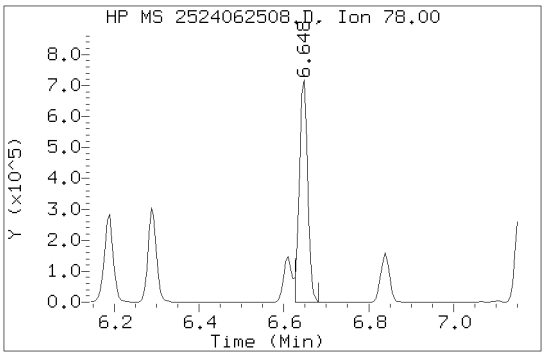
AFTER
MASS
104
AREA
2454318
HEIGHT
1813453
25-Jun-2024
19:31



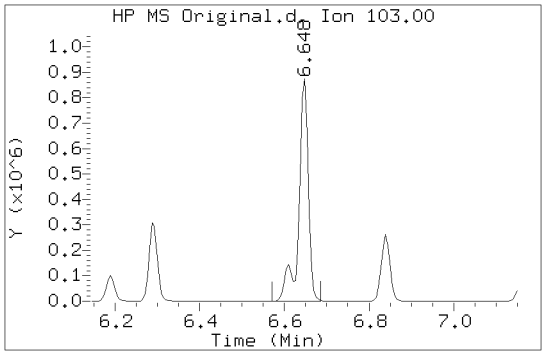
BEFORE
MASS
78
AREA
1183141
HEIGHT
718080
25-Jun-2024
18:20



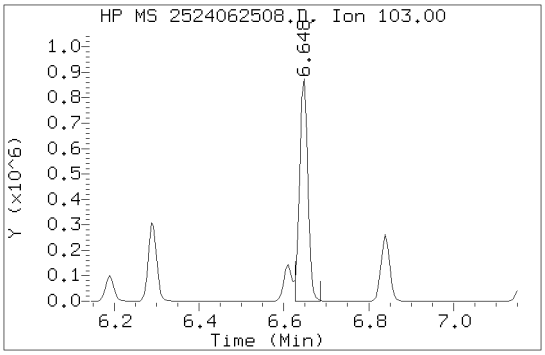
AFTER
MASS
78
AREA
987505
HEIGHT
717971
25-Jun-2024
19:31



BEFORE
MASS
103
AREA
1383231
HEIGHT
873920
25-Jun-2024
18:20



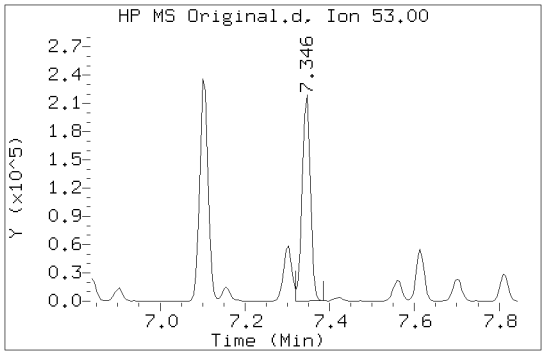
AFTER
MASS
103
AREA
1190788
HEIGHT
873756
25-Jun-2024
19:31



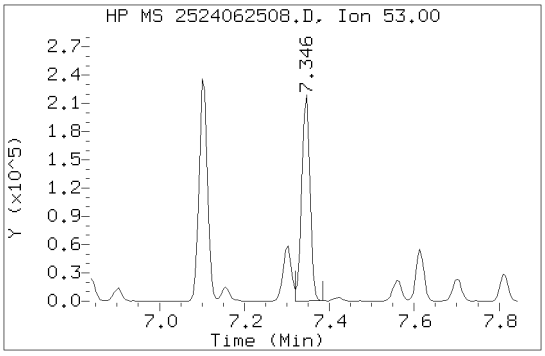
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

BEFORE
MASS
53
AREA
297095
HEIGHT
218507
25-Jun-2024
18:20



AFTER
MASS
53
AREA
297095
HEIGHT
218507
25-Jun-2024
19:31

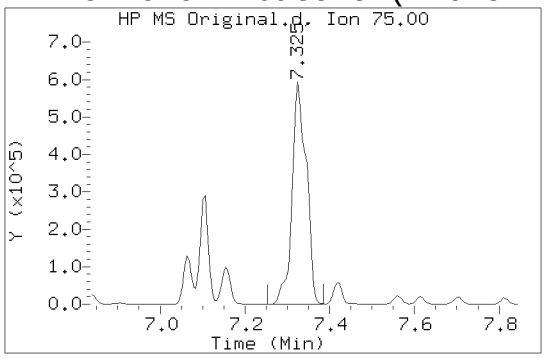


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LabSampID : 1238

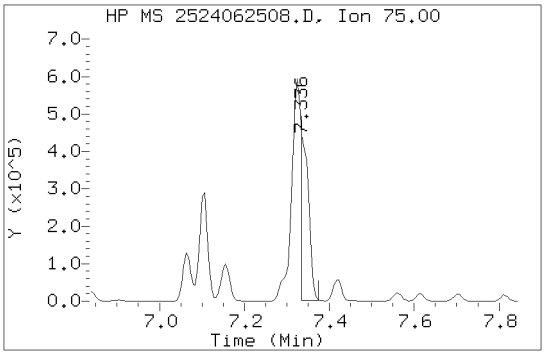
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code: MP

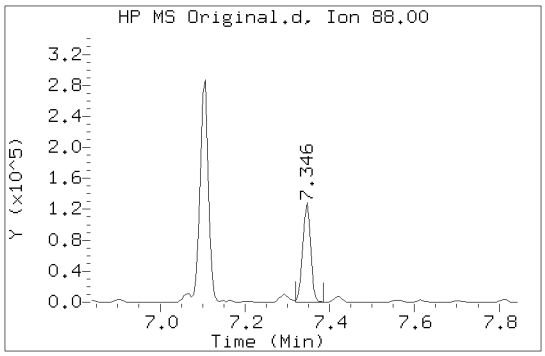
BEFORE
MASS
75
AREA
1390402
HEIGHT
593542
25-Jun-2024
18:20



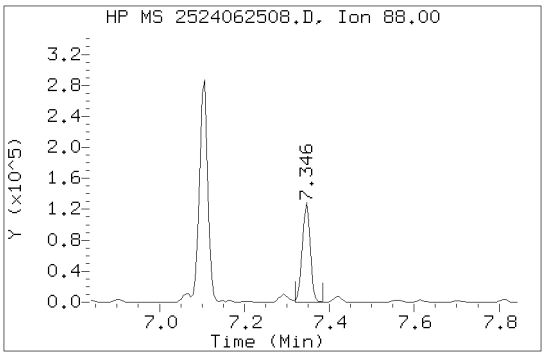
AFTER
MASS
75
AREA
555149
HEIGHT
441254
25-Jun-2024
19:31



BEFORE
MASS
88
AREA
167684
HEIGHT
128214
25-Jun-2024
18:20



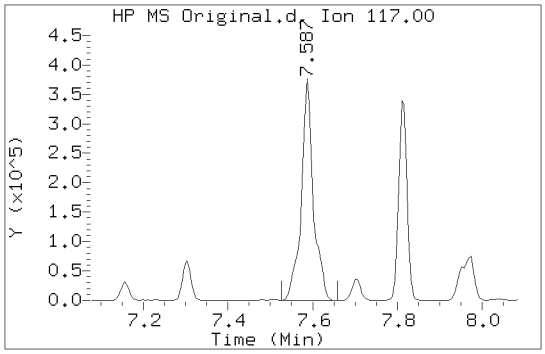
AFTER
MASS
88
AREA
167684
HEIGHT
128214
25-Jun-2024
19:31



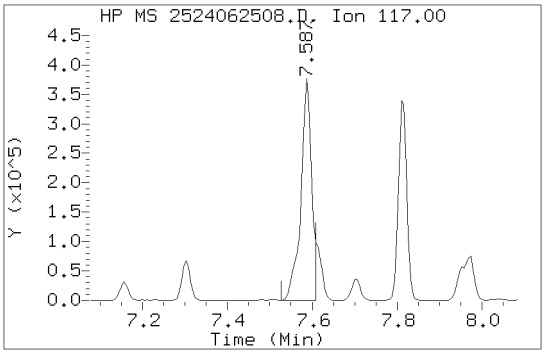
Pentachloroethane (76-01-7)

Reason Code: MP

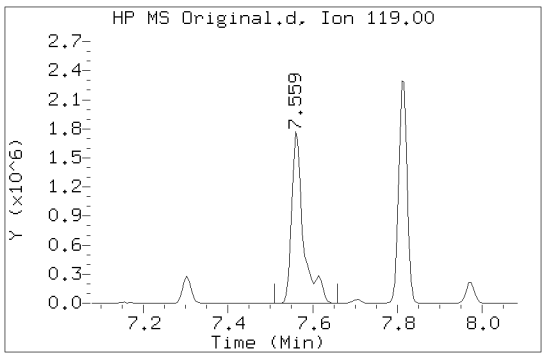
BEFORE
MASS
117
AREA
743627
HEIGHT
376640
25-Jun-2024
18:20



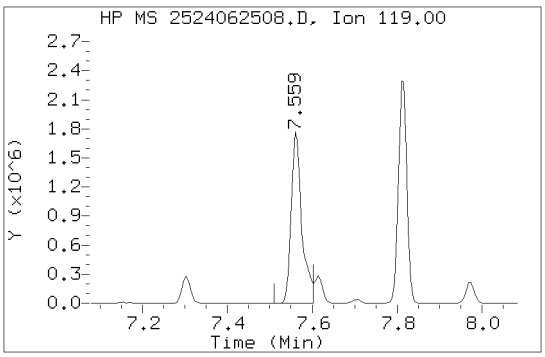
AFTER
MASS
117
AREA
667170
HEIGHT
376640
25-Jun-2024
19:31



BEFORE
MASS
119
AREA
3454111
HEIGHT
1771520
25-Jun-2024
18:20



AFTER
MASS
119
AREA
3121942
HEIGHT
1771520
25-Jun-2024
19:31



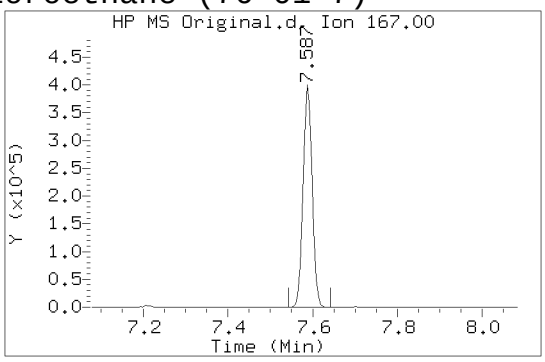
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Inj Date : 25-JUN-2024 12:45
InstruID : ms25.i
LabSampID : 1238

Pentachloroethane (76-01-7)

Reason Code: MP

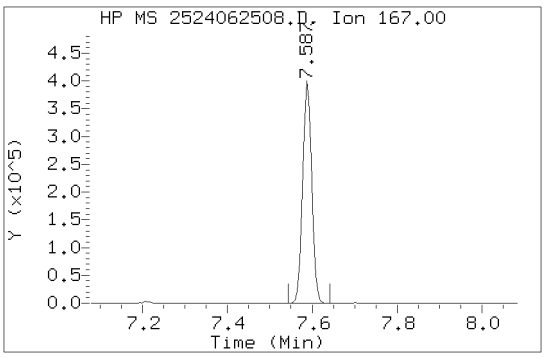
BEFORE

MASS
167
AREA
595116
HEIGHT
400000
25-Jun-2024
18:20



AFTER

MASS
167
AREA
595116
HEIGHT
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25-Jun-2024
19:31

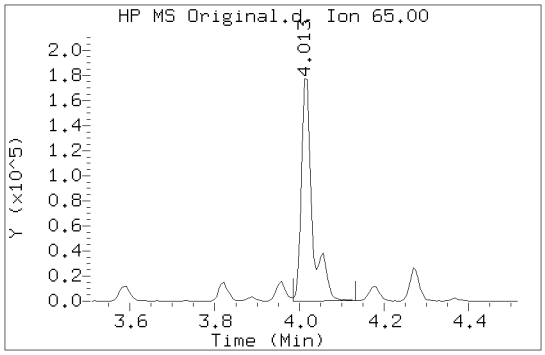


1,2-Dichloroethane-d4 (17060-07-0)

Reason Code: MP

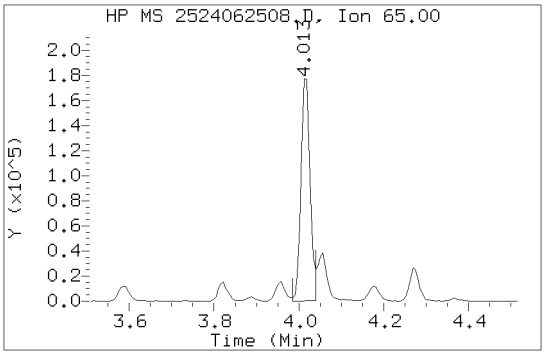
BEFORE

MASS
65
AREA
324084
HEIGHT
176958
25-Jun-2024
18:20



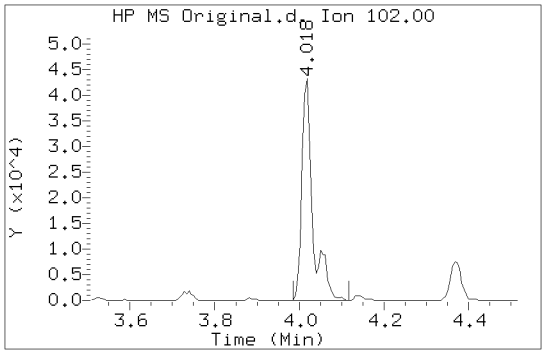
AFTER

MASS
65
AREA
268195
HEIGHT
176958
25-Jun-2024
19:31



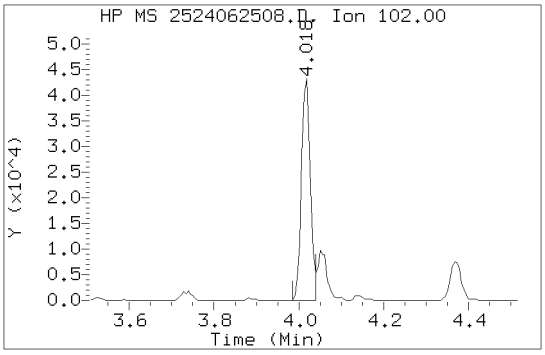
BEFORE

MASS
102
AREA
78113
HEIGHT
43200
25-Jun-2024
18:20



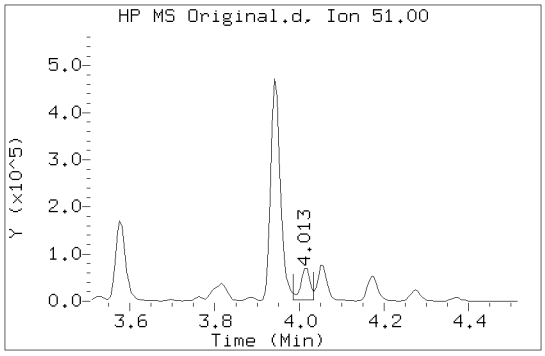
AFTER

MASS
102
AREA
63530
HEIGHT
43200
25-Jun-2024
19:31



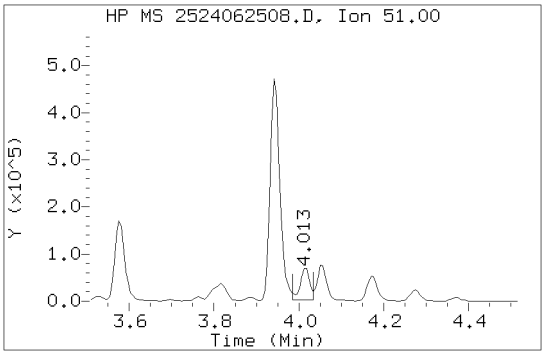
BEFORE

MASS
51
AREA
112491
HEIGHT
67511
25-Jun-2024
18:20



AFTER

MASS
51
AREA
112491
HEIGHT
67511
25-Jun-2024
19:31



UNASSIGNED PEAK REPORT

Report Date: 06/25/2024 19:32
Client ID:
DataFile: //ALMDTWS014/TargetData/Chem2/ms25.i/25_2024/25240625.b/2524062508
Inj Date: 25-JUN-2024 12:45
Operator: ILY

There were no Unassigned peaks in this sample!

Data File: 2524062509.D Page 1
Report Date: 25-Jun-2024 19:32

ALS Environmental Services

VOLATILE REPORT SW-846 Method 8260

Data file : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\2524062509.D
Lab Smp Id: 1239
Inj Date : 25-JUN-2024 13:05
Operator : ILY Inst ID: ms25.i
Smp Info : 1239;;1;1;6;;;
Misc Info :
Comment :
Method : \\ALMDTWS014\TargetData\Chem2\ms25.i\25_2024\25240625.b\25-8260b09.m
Meth Date : 25-Jun-2024 19:29 pdk Quant Type: ISTD
Cal Date : 25-JUN-2024 11:23 Cal File: 2524062504.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260ICAL.sub
Target Version: 4.14
Processing Host: ALMDTW7060

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged
DF	1.000	sample dilution factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.497	1.497	(0.359)	2533343	200.000	200.661(A)	
2 Chloromethane	50	1.644	1.645	(0.394)	2190978	200.000	199.066	
3 Vinyl Chloride	62	1.704	1.705	(0.409)	2763717	200.000	193.643	
4 Bromomethane	94	1.922	1.923	(0.461)	1305713	200.000	192.375	
5 Chloroethane	64	1.999	2.005	(0.479)	1905246	200.000	198.539	
6 Pentane	41	2.086	2.092	(0.500)	1732989	200.000	197.891	
7 Trichlorofluoromethane	101	2.097	2.103	(0.503)	3760616	200.000	192.366	
8 Dichlorofluoromethane	67	2.124	2.125	(0.509)	3794751	200.000	209.785(A)	
9 Ethyl Ether	74	2.277	2.278	(0.546)	1181973	200.000	214.877(A)	
10 1,1-Dichloroethene	61	2.413	2.409	(0.579)	2327421	200.000	212.037(A)	
11 Freon 113	101	2.424	2.425	(0.581)	1639523	200.000	212.363(A)	
12 Carbon Disulfide	76	2.446	2.447	(0.587)	5113780	200.000	215.969(A)	
13 Iodomethane	127	2.506	2.507	(0.601)	874390	200.000	203.891(AM)	MP
14 Acrolein	56	2.599	2.600	(0.623)	1855433	1000.00	1047.97(A)	
15 Isopropyl Alcohol	45	2.653	2.654	(0.636)	563852	1000.00	983.496(A)	
16 3-Chloro-1-propene	41	2.681	2.676	(0.643)	1831594	200.000	191.003	
17 Methylene Chloride	84	2.741	2.741	(0.657)	1850713	200.000	206.413(A)	
18 Acetone	58	2.757	2.752	(0.661)	957192	1000.00	963.579(A)	
19 Methyl acetate	74	2.812	2.812	(0.674)	401646	200.000	198.075	
20 trans-1,2-Dichloroethene	61	2.828	2.829	(0.678)	2259733	200.000	210.193(A)	
21 Hexane	57	2.861	2.867	(0.686)	3534639	200.000	198.521	

Data File: 2524062509.D
Report Date: 25-Jun-2024 19:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	22 Methyl t-Butyl Ether	73	2.872	2.872	(0.689)	5465615	200.000	197.482	
	23 tert.- Butyl Alcohol	59	2.899	2.889	(0.695)	1044247	1000.00	1053.02(A)	
	24 Acetonitrile	41	3.019	3.020	(0.724)	1144489	1000.00	1030.32(A)	
	25 Diisopropyl ether	45	3.063	3.063	(0.734)	5106206	200.000	214.009(A)	
	26 Chloroprene	53	3.155	3.156	(0.757)	2690763	200.000	222.440(A)	
	27 1,1-Dichloroethane	63	3.172	3.167	(0.761)	3152575	200.000	215.242(A)	
	28 Acrylonitrile	53	3.194	3.194	(0.766)	4150745	1000.00	1088.14(AM)	MP
	29 Ethyl tert-butyl ether	59	3.265	3.265	(0.783)	5631765	200.000	222.238(A)	
	30 n-Propanol	41	3.265	3.260	(0.783)	934630	2000.00	1988.33(A)	
	31 Vinyl Acetate	86	3.276	3.276	(0.785)	502264	200.000	199.748(Q)	
	32 cis-1,2-Dichloroethene	61	3.461	3.462	(0.830)	2317342	200.000	212.587(A)	
	33 2,2-Dichloropropane	77	3.526	3.522	(0.846)	2483153	200.000	212.717(A)	
	34 Bromochloromethane	128	3.576	3.576	(0.857)	1007796	200.000	214.387(A)	
	35 Cyclohexane	84	3.587	3.587	(0.860)	2805001	200.000	214.457(A)	
	36 Chloroform	83	3.597	3.598	(0.863)	3402674	200.000	215.202(A)	
	37 Ethyl Acetate	43	3.636	3.642	(0.872)	1869543	200.000	197.447	
	38 Methyl acrylate	55	3.652	3.653	(0.876)	1893330	200.000	215.695(A)	
	39 Carbon Tetrachloride	117	3.701	3.696	(0.887)	2364065	200.000	202.004(AM)	MP
$	41 Dibromofluoromethane	113	3.707	3.707	(0.889)	269793	30.0000	29.9675	
	40 Tetrahydrofuran	42	3.696	3.696	(0.886)	2809741	1000.00	1047.05(A)	
	42 1,1,1-Trichloroethane	97	3.734	3.740	(0.895)	2730421	200.000	221.860(A)	
	43 2-Butanone	72	3.761	3.767	(0.902)	1355775	1000.00	1045.11(AM)	MP
	44 1,1-Dichloropropene	75	3.799	3.800	(0.911)	2490484	200.000	213.935(A)	
	45 1-Chlorobutane	41	3.821	3.822	(0.916)	1497481	200.000	200.031(A)	
	46 Heptane	71	3.887	3.887	(0.932)	1359947	200.000	201.075(A)	
	47 Benzene	78	3.941	3.942	(0.945)	7285794	200.000	203.620(A)	
	48 Propionitrile	54	3.941	3.942	(0.945)	1569623	1000.00	1086.65(A)	
	49 Methacrylonitrile	67	3.952	3.953	(0.948)	949015	200.000	219.168(A)	
	50 tert-Amyl methyl ether	73	3.974	3.975	(0.953)	5347492	200.000	218.606(A)	
	54 Isobutyl alcohol	42	3.990	3.980	(0.957)	461252	2000.00	2080.98(AQM)	MP
$	51 1,2-Dichloroethane-d4	65	4.018	4.013	(0.963)	264730	30.0000	27.8946(Q)	
	52 1,2-Dichloroethane	62	4.056	4.056	(0.973)	2293019	200.000	203.858(A)	
	53 tert-Amyl Alcohol	59	4.056	4.062	(0.973)	828700	1000.00	1089.18(A)	
*	55 Fluorobenzene	96	4.170	4.171	(1.000)	1140999	30.0000		
	56 Diisobutylene	57	4.176	4.171	(1.001)	4304948	200.000	199.241	
	57 Trichloroethene	95	4.269	4.269	(1.024)	1911167	200.000	211.044(A)	
	58 Methyl cyclohexane	83	4.274	4.275	(0.692)	3083558	200.000	207.342(A)	
	59 tert-Amyl Ethylether	59	4.367	4.373	(1.047)	4280148	200.000	199.943	
	60 Dibromomethane	93	4.525	4.526	(1.085)	1261550	200.000	220.365(A)	
	61 1,2-Dichloropropane	63	4.585	4.586	(1.099)	1865089	200.000	216.575(A)	
	62 Bromodichloromethane	83	4.607	4.607	(1.105)	2408792	200.000	200.112(A)	
	63 Methyl methacrylate	41	4.667	4.662	(1.119)	1542068	200.000	226.257(A)	
	64 1,4-Dioxane	88	4.721	4.722	(1.132)	654248	5000.00	4907.67(A)	
	65 2-Chloroethylvinyl ether	63	4.934	4.935	(1.183)	1290655	200.000	203.639(A)	
	66 cis-1,3-Dichloropropene	75	4.994	4.995	(0.809)	3091062	200.000	198.443	
	67 Octane	85	5.000	5.000	(0.810)	1164839	200.000	206.573(A)	
$	68 Toluene-d8	98	5.120	5.120	(0.829)	1004821	30.0000	27.6813	
	69 Toluene	92	5.153	5.153	(0.835)	4497848	200.000	195.496	
	70 Chloroacetonitrile	75	5.213	5.208	(0.844)	605378	1000.00	1055.50(A)	
	71 2-Nitropropane	41	5.300	5.300	(0.859)	2564073	1000.00	1010.56(A)	
	72 1,1-Dichloro-2-Propanone	63	5.316	5.317	(0.861)	244954	1000.00	998.419(AQ)	
	73 4-Methyl-2-Pentanone(MIBK)	43	5.371	5.371	(0.870)	8734882	1000.00	958.508(A)	
	75 trans-1,3-Dichloropropene	75	5.409	5.410	(0.876)	2883334	200.000	199.848	
	74 Tetrachloroethene	164	5.409	5.410	(0.876)	1746614	200.000	208.481(A)	